

Summary Biography of Yi Zeng

Yi Zeng is a tenured Professor of National School of Development (NSD) at Peking University (PKU), Honorary Director of Center for Healthy Aging and Development Study. He is also a tenured Professor at the Center for Study of Aging and Human Development and Geriatric Division of School of Medicine, and Director of Center for Chinese Population and Socioeconomic Studies, Duke University. He is a member of The World Academy of Sciences (TWAS) for the advancement of science in developing countries, and a foreign member of the Royal Netherlands Academy of Arts and Sciences. He is Distinguished Research Scholar of the Max Planck Institute for Demographic Research (MPIDR) in Germany.

He received his doctoral degree with Summa Cum Laude from Brussels Free University in May 1986. He conducted post-doctoral study at Princeton University in 1986-87. Up to July, 2021, he has had 196 professional articles written in English published internationally in academic journals or as book chapters; among them, 148 articles were published in anonymously peer-reviewed academic journals in English abroad (the others are English book chapters and mainly editors-determined journal articles). He has had 173 professional articles written in Chinese and published in China and among them 109 articles were published in Chinese anonymously peer-reviewed academic journals (the others are Chinese book chapters and mainly editors-determined journal articles). He published thirty-one academic books, including eleven books written in English published by well-known Presses in U.S. and Europe and 20 books written in Chinese published by the famous Chinese Presses. He has published 18 articles related to demographics, socioeconomics and policy issues at public media and he has written and submitted 51 policy reports which were submitted/distributed to the policy makers by the relevant governmental agencies.

Yi Zeng has been awarded four international academic prizes and sixteen national academic prizes of China, such as: The IUSSP Laureate (2021), the 2011 Paper of the Year Award of *American Journal of Public Health*, the Dorothy Thomas Prize of the Population Association of America, the Harold D. Lasswell Prize in Policy Science awarded by the international journal *Policy Sciences* and Kluwer Academic Publishers, the national prizes for advancement of science and technology awarded by the State Sciences and Technology Commission of China and the State Education Commission, the highest academic honor of Peking University: "Prize for Outstanding Contributions in Sciences," and the "Chinese Population Prize (Science and Technology)", jointly awarded by nine ministries and seven national non-governmental associations in China. He received "National Medal of Outstanding Contributions" awarded by the Central Government of China in celebration of 70 years of establishment of People's Republic of China, Sept. 2019. According to the official search report by Duke University Library based on Google Scholar database, up to March, 2020, Yi Zeng's articles and books have been cited 14,354 times by other scholars' publications, his h-index is 54 and i10-index is 174. Yi Zeng was one of the authors of "High Impact Papers" worldwide in the period of 1981 -1998, as announced by International Scientific Institute (ISI) in September, 2000. Yi Zeng was included in the Elsevier 2018 honorary list of "Highly Cited Chinese Scholars".

Birth Date: Sept. 5, 1952; **Birthplace:** Nanchang, China; **Nationality:** Chinese.
Email: zengyi@nsd.pku.edu.cn

EDUCATION

East China Normal University, Shanghai, 1978-1982, B.A. degree in Science (Geography).

Brussels Free University, 1982-1986, Ph.D. degree in Demography, Summa Cum Laude. Title of Ph.D. Dissertation: Family Dynamics in China: the Model and its Application. Ph.D. advisors: Professor Frans Willekens and Professor Ron Lesthaeghe.

Netherlands Interdisciplinary Demographic Institute, 1984-1986, Ph.D thesis research under supervision of Professor Frans Willekens.

Princeton University, 1986-87, Post-Doctoral research certificate in Demography. Post-doc advisor: Professor Ansley Coale.

PROFESSIONAL APPOINTMENTS

Professional appointments in China:

Professor (with tenure), China Center for Economic Research, National School of Development, Peking University, Jan. 1, 2003 – Present.

Director, Center for Healthy Aging and Development Studies (it was called Center for Healthy Aging and Family Studies before Jan. 2010), Peking University, May 2001—Dec. 2017.

Professor, Institute of Population Research, Peking University, May 1989 – Dec. 31 2002.

Associate Professor, Institute of Population Research at Peking University, August 1987 - May 1989.

Director, Institute of Population Research at Peking University, Feb. 1993 - June 1998.

Deputy Director, Institute of Population Research at Peking University, August 1987 - Jan. 1993.

Professional appointments in USA:

Professor (with tenure) at the Center for Study of Aging and Human Development and Geriatric Division, School of Medicine, and Institute of Population Research and Department of Sociology, Duke University, July 1, 2006 – Present.

Research Professor, Center for Demographic Studies and Department of Sociology, Duke University, July 1, 2002 – June, 2006.

Senior Research Scientist (with rank of full professor), Center for Demographic Studies and Department of Sociology, Duke University, Jan. 1, 1999 – June, 2002.

Director, Center for Chinese Population and Socioeconomic Studies, Duke University, Sept. 2000 – Present.

Visiting Professor, Economic Growth Center, Yale University, July 1, 1991 - Sept. 31, 1991; June 16, 1992 - August 15, 1992; July 16, 1994 - August 31, 1994.

Adjunct Professor (conducted research and taught courses for one quarter per year from 1992 to 1998), Humphrey Institute for Public Affairs at the University of Minnesota, March 16 - June 15, 1992; March 16 - June 13, 1993; March 16 - June 13, 1994; April 24 - June 8, 1995; Sept. 25 - Dec. 25, 1996; March 27 - May 26, 1998.

Post-doctoral research fellow, Office of Population Research of Princeton University, Sept. 1, 1986 - August 30, 1987.

Professional appointments in Germany:

Distinguished Research Scholar, Max Planck Institute for Demographic Research (MPIDR), Germany, MPIDR had a specially reserved fund to support one-month summer visiting research

in Germany by Yi Zeng and his two research associates in 1998-2018.

Head of the Research Unit on Aging and Family Dynamics at Max Planck Institute for Demographic Research, Dec. 1996 – Dec. 1998.

Professional appointments in Netherlands:

Visiting Research Professor, Netherlands Interdisciplinary Demographic Institute, July 1, 1989 - Sept. 30, 1989.

Consultant and Teacher for the training workshop, May 1, 1986 - June 30, 1986, Research Center of International Statistical Institute, The Hague.

Visiting Research Scientist, Netherlands Interdisciplinary Demographic Institute, April 1984 - Aug. 1986.

Professional appointments in Denmark and Austria:

Visiting Professor, Center for Health and Social Policy, Medical School of Odense University, Denmark, July 2, 1995 - Sept. 1, 1995; August 15, 1996 - Sept. 24, 1996.

Young Scientist, International Institute of Systems Analysis, Vienna, June 1 - Sept. 31, 1985.

MEMBERSHIP OF ACADEMY OF SCIENCE

Foreign member of the Royal Netherlands Academy of Arts and Sciences, May 2010 – Present.

Member of The World Academy of Sciences (TWAS) for the advancement of science in developing countries, November 2018 – Present.

MEMBERSHIP IN SCHOLARLY SOCIETIES

International Union for Scientific Studies of Population

Population Association of China

Asian Population Association

Population Association of America

Gerontology Society of America

PROFESSIONAL PRIZES, AWARDS and HONORS

International Prize, awards and honors

- 1) Dorothy Thomas Prize of the Population Association of America, in recognition of excellence for the article "Changes in Family Structure in China: A Simulation Study" (May, 1987).
- 2) Harold D. Lasswell Prize awarded by the North America-based international journal *Policy Sciences* and Kluwer Academic Publishers (Jan. 1993), in recognition of excellence for the article "Population Tradeoffs in China," co-authored with J. Vaupel.
- 3) The 2011 Paper of the Year Award of *American Journal of Public Health* for the paper: Yi Zeng, Danan Gu, Jama Purser, Helen Hoeing, and Nicholas Christakis. "Associations of Environmental Factors with Elderly Health and Mortality in China." *American Journal of*

Public Health 2010;100(2):298-305.

- 4) IUSSP Laureate (2021), IUSSP (International Union for Scientific Studies of Populations) was established in 1928 with members from all developed countries and developing countries all over the world. IUSSP selects and presents one demographer to receive IUSSP Laureate Award annually.
- 5) Invited by the International Organization REVES (Réseau Espérance de Vie en Santé) to deliver the *George Myers Memorial Lecture* of 1.5-hour at the 20th conference of REVES, May 7-9, 2008 held in Manila, Philippines. Yi Zeng's lecture was on "Can Humans Achieve the Goal of Longer Life and Healthy Aging? -- Lessons Learned from Chinese Longitudinal Healthy Longevity Study.

National Prize, awards and honors

- 1) The first-class prize for outstanding achievement in science and technology, awarded by the State Education Commission. (Jan. 1990);
- 2) The first-class He Yindong prize for young scientists who have outstanding research achievements, awarded by the State Education Commission (Dec. 1990);
- 3) The second-class national prize for outstanding achievement in science and technology, awarded by the State Sciences and Technology Commission (Nov. 1991).
- 4) The first-class prize for outstanding contribution in philosophy and social sciences, awarded by Beijing Municipality (Dec. 1991).
- 5) The Honorary certificate and title "Nationally Distinguished Scientists of Young and Middle Ages," awarded by the State Council (March 1992).
- 6) The highest academic honor of Peking University "Prize for Outstanding Contributions in Sciences" (Sept. 1994).
- 7) The first-class prize for an outstanding contribution in population science, awarded by the State Family Planning Commission and China Population Association (Jan. 1994).
- 8) The first-class national prize for an outstanding contribution in philosophy and social sciences, awarded by the State Education Commission of China (Nov. 1995).
- 9) Excellent textbook prize awarded by the State Education Commission of China (Dec. 1995).
- 10) The first-class national prize for an outstanding contribution in philosophy and social sciences, awarded by the Ministry of Education (1999).
- 11) The second-class prize of publicly bidding research projects on China's second agricultural census data analysis, jointly awarded by China's Second Agricultural Census Office under State Council and State Statistical Bureau, July, 2009.
- 12) The Chinese Population Prize (Science and Technology), jointly awarded by nine ministries and seven national non-governmental associations/organizations of China (2009). The Chinese Population Prize (Science and Technology) is given once every three years to no more than four most prominent scholars who made outstanding contributions in scientific research and technology innovations concerning population health and well-being.
- 13) Excellent Paper Award of the 20th World Congress of Gerontology and Geriatrics (China-South Korea Forum): Yi Zeng, "Chinese Longitudinal Healthy Longevity Survey -- to Facilitate Deeper Research and Better Policy for Healthy Aging," Awarded by the

Association of Gerontology of China, June, 2013.

- 14) The book entitled "Healthy Aging in China: Trends and Determinants" (Yi Zeng is a major author and Editor-in-Chief of this book, published by Science Press) was awarded a title and certificate of "National Philosophy and Social Sciences Outstanding Achievements Book (2017)", which is the highest books honor of Philosophy and Social Sciences in China.
- 15) The second-class prize of National Medical Sciences, awarded by China Association of Medical Sciences (Yi Zeng is listed as the second awardee), 2018.
- 16) National Medal of Outstanding Contributions awarded by the Central Government of China in celebration of 70 years of establishment of People's Republic of China, Sept. 2019.

Yi Zeng has been included (free of charge, as a distinguished scholar) in more than ten international biographical publications of WHO'S WHO. For example, "MEN OF ACHIEVEMENT," "INTERNATIONAL WHO'S WHO OF INTELLECTUALS," and "WHO'S WHO IN AUSTRALIA AND THE FAR EAST" by the International Biographical Center in Cambridge of England and "5,000 PERSONALITIES OF THE WORLD," "MEDAL OF HONOUR COMMEMORATING DISTINGUISHED LIFELONG ACHIEVEMENTS," and "FIVE HUNDRED LEADERS OF INFLUENCE" by the American Biographical Institute.

LIST OF PUBLICATIONS AND POLICY RESEARCH REPORTS BY YI ZENG

1. Publications written in English and published in North America or Europe

1.1. Peer-Reviewed BOOKS written in English and published/distributed in North America or Europe.

- (1) Zeng, Yi. 1990. *User's Manual and software of "FAMY" --- A PC Computer program for Family Status Life Table Analysis*. Groningen, The Netherlands: iec ProGAMMA (Inter-university Expert Center for Computer Software Development and Distribution).
- (2) Zeng, Yi, Zhang Chunyuan and Peng Shongjian (eds.). 1990. *Changing Family Structure and Population Aging in China: A Comparative Approach*. Beijing: Peking University Press (also distributed by Peking University Press' partners in Western countries).
- (3) Zeng, Yi. 1991. *Family Dynamics in China: A Life Table Analysis*. Wisconsin: The University of Wisconsin Press.
- (4) Zeng, Yi. 2004. *Population Aging and Family Research*. Beijing: Peking University Press (also distributed by Peking University Press' partners in Western countries).
- (5) Zeng, Yi, Gu Danan, Xiao Zhenyu, Tao Liqun. 2005. *Graphics of Socio-Demographic and Health Profiles of Oldest-Old in China* (in both English and Chinese). Beijing: China Population Press.
- (6) Zeng, Yi, Eileen Crimmins, Yves Carrière, Jean-Marie Robine (eds.). 2005. *Longer Life and Healthy Aging*. New York: Springer Publisher.
- (7) Jean-Marie Robine, Eileen M. Crimmins, Shiro Horiuchi, and Yi Zeng (eds.). 2006. *Human Longevity, Individual Life Duration, and the Growth of the Oldest-Old Population*. New York: Springer Publisher.
- (8) Zeng, Yi, Dudley Poston, Denese Ashbaugh Vlosky, and Danan Gu (eds.). 2008. *Healthy Longevity in China: Demographic, Socioeconomic, and Psychological Dimensions*. New York: Springer Publisher.

- (9) Zeng, Yi (ed.). 2009. "Demography" volume of the *Encyclopedia of Life Support Systems* (EOLSS) (www.eolss.net), coordinated by the UNESCO-EOLSS Committee. Oxford: EOLSS Publishers Co. Ltd.
- (10) Zeng, Yi, Kenneth C. Land, Danan Gu, and Zhenglian Wang. 2014. *Household and Living Arrangement Projections: The Extended Cohort-Component Method and Applications to the U.S. and China*. New York: Springer Publisher.
- (11) Zeng Yi, Lu JH, Lei XY and Shi XM (eds), 2021. Trends and Determinants of Healthy Aging in China. New York: Springer Nature Publisher (in press).

1.2. ARTICLES published in anonymous peer-reviewed journals in North America or Europe (* means corresponding author)

- 1) Zeng, Yi*, J. Vaupel and A.Yashin. 1985. "Marriage and Fertility in China: A Graphical Analysis." *Population and Development Review* 11: 721-36.
- 2) Zeng, Yi*. 1986 "Changes in Family Structure in China: a Simulation Study." *Population and Development Review* 12:675-703.
- 3) Zeng, Yi*. 1988. "Changing Demographic Characteristics and the Family Status of Chinese Women." *Population Studies* 42: 183-203.
- 4) Zeng, Yi* and J. Vaupel. 1989. "Impact of Urbanization and Delayed Childbearing on Population Growth and Aging in China." *Population and Development Review* 15: 425-445.
- 5) Zeng, Yi* 1989. "Is China's Family Planning Program Tightening Up?" *Population and Development Review* Vol. 15, No. 2 :333-337.
- 6) Zeng, Yi*. 1989. "Aging of the Chinese Population and the Policy Issues: Lessons Learned from a Rural-urban Dynamic Projection Model." Referred and selected articles for publication in *International Population Conference*, Volume 3: 81-101. Liege: International Union for Scientific Studies of Population, 21st General Conference.
- 7) Zeng, Yi*, Tu Ping, Guo Liu and Xie Ying. 1991. "A Demographic Decomposition of Recent Increase in Crude Birth Rates in China." *Population and Development Review* 17: 435-458.
- 8) James W. Vaupel* and Yi Zeng. 1991. "Population Tradeoffs in China." *Policy Sciences* 24: 389-406.
- 9) Zeng, Yi*, Tu Ping, Gu Baochang, Xu Yi, Li Bohua and Li Youngping. 1993. "Causes and Implications of the Recent Increase in the Reported Sex Ratio at Birth in China." *Population and Development Review* 19: 283-302.
- 10) Zeng, Yi*, J.W. Vaupel, and Wang Zhenglian. 1993. "Marriage and Fertility in China: 1950—1989." *Genus* Vol.49, No. 3/4, 17-34.
- 11) Zeng, Yi*, and Wang Deming. 1993. "An Event History Analysis of Remarriage in China." Selected and referred article for publication in: *International Population Conference*, Volume 3: 323-335. Liege: International Union for Scientific Studies of Population, 22nd General Conference.
- 12) Zeng, Yi*, A. Coale, M.K. Choe, Z. Liang, and L. Liu. 1994. "Leaving Parental Home: Census Based Estimates for China, Japan, South Korea, The United States, France, and Sweden." *Population Studies* 48: 65-80.
- 13) Zeng, Yi*. 1995. "Aging in China: Progress and Policy Responses." *Reviews in Clinical*

Gerontology 5: 77-83.

- 14) Zeng, Yi*. 1995. "China's Agenda for an Old-age Insurance Program in Rural Areas." *Journal of Aging & Social Policy* 6: 101-14.
- 15) Schultz, T. Paul* and Yi Zeng. 1995. "Fertility of Rural China: Effects of Local Family Planning and Health Programs." *Population Economics* 8: 329-50.
- 16) Ma, Z* and K.L. LIAW and Yi Zeng. 1996. "Spousal Residence Separation Among Chinese Young Couples." *Environment and Planning A* 28: 877-8.
- 17) Zeng, Yi*. 1996. "Is Fertility in China in 1991-1992 Far Below the Replacement Level?" *Population Studies* Vol. 50: 27-34.
- 18) Ma, Z.*, K.L. Liaw, and Yi Zeng. 1997. "Migrations in the Urban/Rural Settlement System of China: Insights from the Micro Data of the 1987 National Survey." *Environment and Planning A* 29: 709-30.
- 19) Zeng, Yi*, James W. Vaupel, and Wang Zhenglian. 1997. "A Multidimensional Model for Projecting Family Households -- With an Illustrative Numerical Application." *Mathematical Population Studies* 6: 187-216.
- 20) Zeng, Yi*. 1997. "Dilemmas of Family Size Norms in China." Selected and referred article for publication in *International Population Conference*, Volume 3: 1405-1418. Liege: International Union for Scientific Studies of Population, 23rd General Conference.
- 21) Vaupel, J.W.*, J.R. Carey, K. Christensen, T.E. Johnson, A.I. Yashin, N.V. Holm, I.A. Iachine, V. Kannisto, A.A. Khazaeli, P. Liedo, V.D.Longo, Yi Zeng, K.G. Manton, and J.W. Curtsinger. 1998. "Biodemographic Trajectories of Longevity." *Science*, 280: 855-60.
- 22) Zeng, Yi*, James W. Vaupel and Wang Zhenglian. 1998. "Household Projection Using Conventional Demographic Data." *Population and Development Review*, Supplementary Issue: *Frontiers of Population Forecasting*. Volume 24: 59-87.
- 23) Wang Zhenglian, Yi Zeng*, Bernard Jeune, and J.W. Vaupel. 1998. "Age Validation of Han Chinese Centenarians." *GENUS - An International Journal of Demography*, Vol. LIV: 123-141.
- 24) Schultz, T. Paul* and Yi Zeng. 1999. "The Impact of Institutional Reform from 1979 to 1987 on Fertility in Rural China." *Chinese Economic Review* 10: 141-60. (The authors are listed alphabetically and share equally in the research design and analysis).
- 25) Zeng, Yi*, Wang Zhenglian, Ma Zhongdong, Chen Chunjun. 2000. "A Simple Method for Estimating α and β : An Extension of Brass Relational Gompertz Fertility Model." *Population Research and Policy Review*, Volume 19, No. 6, pp. 525-549.
- 26) Zeng, Yi* and Linda George. 2000. "Family Dynamics of 63 Million (in 1990) to More Than 330 Million (in 2050) Elders in China." *Demographic Research*, Vol. 2, No. 5: 113-119.
- 27) Zeng, Yi* and Wu Deqing. 2000. "A Regional Analysis of Divorce in China Since 1980." *Demography*, 37 (2): 215-219.
- 28) Zeng, Yi* and Jiang Leiwen. 2000. "Does Rapid Economic Growth Accompanied by Massive Migration Necessarily Result in Severe Environmental Pollution? -- A Case Study of Pear River Delta in China." *Current Politics and Economics of China*, Vol. 3, No. 3. Pp. 427-445.
- 29) Zeng, Yi* and Kenneth C. Land. 2001. "A Sensitivity Analysis of The Bongaarts-Feeney

- New Method for Adjusting Bias in Observed Period Total Fertility Rates." *Demography*, 38 (1): 17-28.
- 30) Zeng, Yi*, James W. Vaupel, Xiao Zhenyu, Zhang Chunyuang and Liu Yuzhi. 2001. "The Healthy Longevity Survey and the Active Life Expectancy of the Oldest Old in China." *Population: An English Selection*, 13(1): 95-116.
 - 31) Zeng, Yi*, James W. Vaupel, Xiao Zhenyu, Zhang Chunyuang and Liu Yuzhi. 2001. "L'enquete sue la longevite en bonne sante: l'esperance de vie sans incapacite des personnes tres agees en Chine." *Population: Longevite*, 56(1/2): 109-132.
 - 32) Zeng, Yi* and Linda George. 2002. "Extremely Rapid Aging and the Living Arrangement of Elderly Persons: the Case of China." In *Living Arrangements of Older Persons, Population Bulletin of the United Nations, Special Issue Nos. 42/43*, New York: United Nations.
 - 33) Zeng, Yi* and Kenneth C. Land. 2002. "Adjusting Period Tempo Changes – with an Extension of Ryder's Basic Translation Equation." *Demography*, Vol. 39, No. 2, pp. 269-285.
 - 34) Zeng, Yi*. 2001. "A Demographic Analysis of Family Households in China, 1982-1995." *Journal of Comparative Family Studies*. Vol. 33, No. 1, pp. 15-34.
 - 35) Zeng, Yi*, James W. Vaupel, Xiao Zhenyu, Zhang Chunyuan and Liu Yuzhi. 2002. "Sociodemographic and Health Profiles of Oldest Old in China." *Population and Development Review*, Vol. 28, No. 2: 251-273.
 - 36) Zeng, Yi* and James W. Vaupel. 2002. "Functional Capacity and Self-Evaluation of Health and Life of the Oldest Old in China." *Journal of Social Issues*, 58: 733-748.
 - 37) Zeng, Yi*, T. Paul Schultz, Wang Deming, and Gu Danan. 2002. "Association of Divorce with Socio-economic Covariates in China, 1955-1985: Event History Analysis based on Data collected in Shanghai, Hebei, and Shaanxi." *Demographic Research*, Vol. 7, Article 11.
 - 38) Zeng, Yi*. 2002. "Aging in China." Ekerdt, David J. (ed.), *Encyclopedia of Aging*. Macmillan Reference USA, an Imprint of the Gale Group, New York.
 - 39) Zeng, Yi*, Liu Yuzhi, and Linda George. 2003. "Gender Differentials of Oldest Old in China." *Research on Aging*. 25: 65-80.
 - 40) Zeng, Yi* and James W. Vaupel. 2003. "Oldest Old Mortality in China." *Demographic Research*, Vol. 8 (7): 215-244.
 - 41) Zeng, Yi* and Zhenglian Wang. 2003. "Dynamics of Family and Elderly Living Arrangements in China: New Lessons Learned from the 2000 Census." *The China Review*, Vol. 3, No. 2: 95-119.
 - 42) Zeng, Yi*; Gu, Danan, and Land, K. C. 2004. "A New Method for Correcting Underestimation of Disabled Life Expectancy and Application to Chinese Oldest-Old." *Demography*, Vol. 41 (2): 335-361.
 - 43) Zeng, Yi*, and Vaupel, J.W. 2004. "Association of Late Childbearing With Healthy Longevity among The Oldest-Old in China." *Population Studies*, 58(1): 37-53.
 - 44) Zeng, Yi*. 2004. "Chinese Longitudinal Healthy Longevity Survey and Some Research Findings." *Geriatrics and Gerontology International*, 2004; 4: S49-S52.
 - 45) Zeng, Yi*, Eric Stallard, and Zhenglian Wang. 2004. "Computing Time-Varying Sex-Age-Specific Rates of Marriage/Union Formation and Dissolution in Family Household Projection or Simulation." *Demographic Research*, 11, 264-299.

- 46) Zeng, Yi*, George L., Vaupel J., Goodkind D. 2004. Chinese longitudinal healthy longevity survey: A unique data resource and research opportunities. *Gerontologist* 44:194-195.
- 47) Gu, Danan*; and Zeng, Yi. 2004. Sociodemographic Effects on the Onset and Recovery of ADL Disability among Chinese Oldest-old. *Demographic Research*, 11, 1-44.
- 48) Zeng, Yi*, Kenneth C. Land, Zhenglian Wang, and Gu Danan. 2006. "U.S. Family Household Momentum and Dynamics -- Extension of ProFamy Method and Application." *Population Research and Policy Review*, 25(1): 1-41.
- 49) Gu, Danan*, Liu, Guangya, Vlosky, A. Denese and Zeng, Yi. (2007). Factors Associated with Place of Death among Chinese Oldest-old. *Journal of Applied Gerontology* 26(1), 34-57.
- 50) Zeng, Yi*, Danan Gu, and Kenneth C. Land. 2007. "The Association of Childhood Socioeconomic Conditions with Healthy Longevity at the Oldest-Old Ages in China." *Demography*. Vol 44, No. 3: 497-518.
- 51) Zeng, Yi*, 2007. "Options of Fertility Policy Transition in China." *Population and Development Review*. Vol. 33 No. 2, Pp. 215-246 (Heading article).
- 52) Zeng, Yi*, Zhenglian Wang, Jiang Leiwen, and Danan Gu. 2008. "Future trend of family households and elderly living arrangement in China", *GENUS - An International Journal of Demography*, LXIV (No. 1-2): 9-36.
- 53) Zeng, Yi* (2008). "La Presion demografica sobre el envejecimiento de la poblacion" (Demographic Pressure on Population Aging in Chin). *Vanguardia Dossier* (Spanish Quarterly), Issue 28: 53-59.
- 54) Xiao, Xinhua, Zhenxin Zhang*, Harvey Jay Cohen, Heng Wang, Wenhui Li, Tong Wang, Tao Xu, Aimin Liu, Mingying Gai, Ying Shen, Ole Schmitz, Yi Zeng (2008). "Evidence of a Relationship between Infant Birth Weight and Later Diabetes Mellitus and Impaired Glucose Regulation in a Chinese Population". *Diabetes Care*, 2008 Mar;31(3):483-7.
- 55) Zhang, F. *, M Lewis, G Yang, J Iriondo-Perez, Yi Zeng, J Liu (2008). "Apolipoprotein E polymorphism, life stress and self-reported health among older adults." *Journal of Epidemiology & Community Health*. April 1, 2008; 62(4): e3.
- 56) Dupre, Matthew E.*; Gu, Danan; Warner, David F. and Zeng, Yi (2009). "Frailty and Type of Death among Older Adults in China." *British Medical Journal*. 338: b1175. [PMC2667569].
- 57) Gu, Danan*; Dupre, Matthew E.; Sautter, Jessica; Zhu, Haiyan; Liu, Yuzhi; and Zeng, Yi (2009). "Frailty and Mortality among Chinese at Advanced Ages." *Journal of Gerontology: Social Sciences*, 64B(2), 279-289. [PMC2655172]
- 58) Gu, Danan; Zhang, Zhenmei; and Zeng, Yi (2009). "Accessibility to Healthcare Services Makes a Difference in Healthy Longevity among Older Chinese Adults." *Social Science and Medicine*, 68:21-219. [PMC19038485]
- 59) Gu, D*, Dupre, M, Warner, F., Yi Zeng (2009). "Changing Health Status and Health Expectancies among Older te Adults in China: Gender Differences from 1992 to 2002". *Social Science and Medicine*. 68: 2170-2179. [PMC 2727476]
- 60) Yang Li, Wen-Jing Wang, Huiqing Cao, Jiehua Lu, Chong Wu, Fang-Yuan Hu, Jian Guo, Ling Zhao, Fan Yang, Yi-Xin Zhang, Wei Li, Gu-Yan Zheng, Hanbin Cui, Xiaomin Chen, Zhiming Zhu, Hongbo He, Birong Dong, Xianming Mo, Yi Zeng*, and Xiao-Li Tian* (2009). "Genetic association of FOXO1A and FOXO3A with longevity trait in Han Chinese populations." *Human Molecular Genetics*, 18: 4897 – 4904. (Xiao-Li Tian and Yi Zeng are co-corresponding authors) [PMC2790334]
- 61) You, D*, Gu, D, Yi Zeng (2010). "Familial Transmission of Human Longevity among the Oldest-old in China". *Journal of Applied Gerontology*. 2010, 29(3),308-332.
- 62) Zeng, Yi*, Danan Gu, Jama Purser, Helen Hoenig, and Nicholas Christakis (2010). "Associations of Environmental Factors with Elderly Health and Mortality in China".

- American Journal of Public Health*. 100 (2): 298-305. [PMC 2804639]
- 63) Gu, Danan*, Jessica Sautter, Robin Pipkin, Yi Zeng (2010). "Sociodemographic and Health Correlates of Sleep Quality and Duration among Very Old Chinese. *SLEEP*, 33(5): 601-610. [PMC 2864875].
 - 64) Shen, K. and Yi Zeng* (2010). The association between resilience and survival among Chinese elderly. *Demographic Research* 23(5) 105-116. doi: 10.4054/DemRes.2010.23.5(July16, 2010) [PMC 2990503].
 - 65) Zeng, Yi*, Cheng, L., Chen, H., Cao, H., Hauser, E., Liu, Y., Xiao, Z., Tan, Q., Tian, X.*, Vaupel, J.W. (2010). Effects of FOXO Genotypes on Longevity: A Bio-demographic Analysis. *The Journals of Gerontology Series A: Biological Sciences and Medical Sciences*, 65A (12): 1285-1299 (Yi Zeng and Xiao-Li Tian are co-corresponding authors) [PMC 2990269].
 - 66) Feng Q, Hoenig HM, Gu D, Yi Zeng, Purser JL*. (2010). Effect of new disability subtype on 3-year mortality in Chinese older adults. *J Am Geriatr Soc*. 2010 Oct;58(10):1952-8. doi: 10.1111/j.1532-5415.2010.03013.x. [PMID: 20929468/PMCID: PMC3385853].
 - 67) Fan Z*, Zhang ZX, Li Y, Wang Z, Xu T, Gong X, Zhou X, Wen H, Yi Zeng (2010). Relationship between birth size and coronary heart disease in China. *Annals of Medicine*, 42(8): 596–602. [Epub ahead of print] [PMC3787846].
 - 68) Xiao X, Zhang Z-X*, Li W-H, Feng K, Sun Q, Cohen HJ, Xu T, Wang H, Liu A-M, Gong X-M, Ying S, Yi Zeng (2009). Low Birth Weight is Associated With Components of the Metabolic Syndrome. *Metabolism*, doi:10.1016/j.metabol.2009.12.001. [PMC 2895955].
 - 69) Zeng, Yi* and Ke Shen (2010). Resilience Significantly Contributes to Exceptional Longevity. *Current Gerontology and Geriatrics Research*, vol. 2010, Article ID 525693, [PMC 3004383].
 - 70) Zeng, Yi*, Gu, Danan, and George, Linda (2010). Association of religious participation with mortality among Chinese older adults. *Research on Aging*, 33(1): 51–83. [PMC3310377].
 - 71) Gu, Danan*, Jessica Sautter, Cheng Huang, and Yi Zeng (2011). Health Inputs and Cumulative Health Deficits among the Older Chinese. *Social Science and Medicine*, 72: 806-814. [PMC3150484].
 - 72) Zeng, Yi*, Zhenxin Zhang, Tao Xu, Zhongjie Fan, Xinhua Xiao, Xia Chen, Zishi Wang, Enling Ma, Danan Gu, Fengyu Zhang, and Joseph M. Corless (2011). Association of Birth Weight with Health and Long-term Survival up to Middle and Old Ages in China. *Journal of Population Ageing*, 3:143–159. [PMCID: PMC 3314426].
 - 73) Zeng, Yi* (2011). Effects of Demographic and Retirement-Age Policies on Future Pension Deficits, with an Application to China. *Population and Development Review*, 37(3): 553–569. [PMID: 22167815, PMC Journal-In process].
 - 74) Zeng, Yi*, Claude Hughes, Megan Lewis, Jianxin Li, Fengyu Zhang (2011). "Interactions between Life Stress Factors and Carrying the APOE4 Allele Adversely Impact Self-Reported Health in Old Adults". *Journal of Gerontology Series A: Biological and Medical Sciences*, 2011 October; 66A (10):1054–1061. [PMC 3172565].
 - 75) Feng, Qiushiu, Zhengliang Wang, Danan Gu and Yi Zeng* (2011). "Household Vehicle Consumption Forecasts in the United States, 2000 to 2025". *International Journal of Market Research*, 53(5):593-618.
 - 76) Feng Jie, Jianyi Zhang, Ming Liu, Gang Wan, Keyan Qi, Chenguang Zheng, Zeping Lv, Caiyou Hu, Yi Zeng, Simon G. Gregory, Ze Yang* (2011). Association of mtDNA haplogroup F with healthy longevity in the female Chuang population, China? *Experimental Gerontology*. 46(12): 987-93.doi:10.1016/j.exger.2011.09.001 [PMID: 21945877, PMC Journal-In process].

- 77) Zeng, Yi*, Philip Morgan, Zhenglian Wang, Danan Gu, and Chingli Yang (2012). A Multistate Life Table Analysis of Union Regimes in the United States-- Trends and Racial Differentials, 1970-2002. *Population Research and Policy Review*, 31:207–234. doi:10.1007/s11113-011-9217-2.
- 78) Zhao-Xue Yin, Xiao-Ming Shi*, Virginia B. Kraus, Simon M. Fitzgerald, Han-zhu Qian, Jianwei Xu, Yi Zhai, Melanie D. Sereny, Yi Zeng* (2012) . High normal plasma triglycerides are associated with preserved cognitive function in Chinese oldest-old. *Age and Ageing*. 41(5): 600-606 doi: 10.1093/ageing/afs033 [PMCID: PMC3500861].
- 79) Smith, S.K.*, Stefan Rayer, Eleanor Smith, Zhenglian Wang, Yi Zeng (2012). “Population Aging, Disability and Housing Accessibility: Implications for Sub-national Areas in the United States”. *Housing Studies*. 27(2): 252-266 doi:10.1080/02673037.2012.649468 (Available online: 01 Mar 2012; printed version will be available later).
- 80) Zeng, Yi*, Huashuai Chen, Xiaoming Shi, Zhaoxue Yin, Ze Yang, Jun Gu and Dan Blazer (2012). Health Consequences of Familial Longevity Influence among the Chinese Elderly. *The Journals of Gerontology Series A: Biological Sciences and Medical Sciences*. 2012, 68(4), 473-482. doi: 10.1093/gerona/gls203.[PMCID: PMC3593617]
- 81) Chen X, Zhang ZX*, George LK, Wang ZS, Fan ZJ, Xu T, Zhou XL, Han SM, Wen HB, Zeng Y (2012). Birth measurements, family history, and environmental factors associated with later-life hypertensive status. *Am J Hypertens*. 2012, Apr 25(4):464-71. doi: 10.1038/ajh.2011.262. Epub 2012 Feb 2. [PMID: 22297260].
- 82) Feng L. *, J. Li, T.P. Ng, T.S. Lee, E.H. Kua, Yi Zeng (2012). Tea Drinking and Cognitive Function in Oldest-Old Chinese, *THE JOURNAL OF NUTRITION, HEALTH & AGING*. November 2012, Volume 16, Issue 9, pp 754-758.[PMCID3675265]
- 83) Purser, Jama*, Qiushi Feng*, Zeng Yi, and Helen Hoening. 2012. “A New Classification of Function and Disability in China: Subtypes Based on Performance-based and Self-reported Measures.” *Journal of Aging and Health* 24(5):779-798. PMID: 22556391/PMCID: PMC3399922.
- 84) ZHAI Yi, SHI Xiao Ming*, FITZGERALD Simon Michael, QIAN Han Zhu, KRAUS Virginia, SERENY Melanie, HU Perry, YIN Zhao Xue, XU Jian Wei, and ZENG, Yi* (2012). High Sensitivity C-Reactive Protein Associated with Different Health Predictors in Middle-Aged and oldest old Chinese. *Biomedical Environmental Science*, 2012, 25(3):257-266. doi: 10.3967/0895-3988.2012.03.002. PMID22840575.
- 85) Zhao L, Yang F, Xu K, Cao H, Zheng GY, Zhang Y, Li J, Cui H, Chen X, Zhu Z, He H, Mo X, Kennedy BK, Suh Y, Zeng Yi*, Tian XL* (2012). Common genetic variants of the β 2-adrenergic receptor affect its translational efficiency and are associated with human longevity. *Aging Cell*, Volume 11, Issue 6, pages 1094–1101, December 2012. [PMCID3633790].
- 86) Gu, Danan* and Yi Zeng (2012). “Healthiness of Survival and Quality of Death Among Oldest Old in China Using Fuzzy Sets.” *Journal of Aging Health*. 24(7): 1091–1130. doi: 10.1177/0898264312453069, PMCID: PMC3532704, NIHMSID: NIHMS422476.
- 87) Zeng*, Yi (2012). “Towards Deeper Research and Better Policy for Healthy Aging--Using the Unique Data of Chinese Longitudinal Healthy Longevity Survey”, *China Economic Journal*. Vol. 5, No. 2-3: 131-149.
- 88) Zeng*, Yi (2012) Interdisciplinary and Multilevel Research on Determinants of Healthy Aging. *Journal of Gerontology and Geriatrics Research*, Vol. 1, No. 5: 1:e113. doi:10.4172/2167-7182.1000e113.
- 89) Zeng*, Yi., K.C. Land, Z. Wang, and D. Gu. 2013. “Household and Living Arrangements Projections at the Sub-National Level: An Extended Cohort-Component Approach”,

- Demography*. 50:827–852, DOI 10.1007/s13524-012-0171-3. PubMed #: 23208782, NIHMSID #: 426281.
- 90) Zeng, Yi*. 2013. Extended Fixed Attribute Dynamics Method and an Illustrative Application in Biodemographic- Genetic Analysis on Longevity. *Annual Review of Gerontology and Geriatrics*,33(1):217-232.
 - 91) Zeng*, Yi, Lingguo Cheng, Ling Zhao, Qihua Tan, Qiushi Feng, Huashuai Chen, Ke Shen, Jianxin Li, Fengyu Zhang, Huiqing Cao, Simon G Gregory, Ze Yang, Jun Gu, Wei Tao, Xiao-Li Tian*, Elizabeth R. Hauser (2013).“Interactions between Social/ behavioral Factors and ADRB2 Genotypes May be Associated with Health at Advanced Ages in China.” *BMC Geriatrics*. 13:91; <http://www.biomedcentral.com/1471-2318/13/91>.
 - 92) Ruan, Rongping, Lei Feng, Jialiang Li, Tze-Pin Ng, Yi Zeng* (2013). “Tea Consumption and Mortality among Oldest-Old Chinese”, *Journal of American Geriatrics Society*, 61:1937–1942.
 - 93) Zeng, Yi*, Lan Li, Zhenglian Wang, Helin Huang, Jessie Norris (2013) Effects of Changes in Households and Cohorts on Future Housing Demand in Hebei Province, China. *GENUS*, LXIX (No. 2): 85-111.
 - 94) Catherine A McCarty, Wayne Huggins, Allison E Aiello, Robert M Bilder, Ahmad Hariri, Terry L Jernigan, Erik Newman, Dharambir K Sanghera, Timothy J Strauman, Yi Zeng, Erin M Ramos and Heather A Junkins (2014). PhenX RISING: real world implementation and sharing of PhenX measures. *BMC Medical Genomics* 2014, 7-16; doi:10.1186/1755-8794-7-16.
 - 95) Zeng, Yi* and Zhenglian Wang (2014). A Policy Analysis on Challenges and Opportunities of Population/Household Aging in China. *Journal of Population Aging*, Vol. 7, Issue 4, Pages 255-281; DOI 10.1007/s12062-014-9102-y.
 - 96) Zhaoxue Yin, Xiaoming Shi*, Virginia B. Kraus, Melanie Sereny Brasher, Huashuai Chen, Yuzhi Liu, Yuebin Lv and Yi Zeng* (2014) Gender-Dependent Association of Body Mass Index and Waist Circumference with Disability in the Chinese Oldest Old, *Obesity* (Silver Spring). 2014;22(8):1918-25.
 - 97) Shen K*, Zeng, Yi. 2014. Direct and indirect effects of childhood conditions on survival and health among male and female elderly in China. *Social Science & Medicine*, 119 (1982): 207-214.
 - 98) Chei CL, Raman P, Yin ZY, Shi XM, Zeng Y, Matchar DB (2014). Vitamin D Levels and Cognition in the Elderly Population in China. *J Am Geriatr Soc*.62(11): 2125-2129, doi: 10.1111/jgs.13082.
 - 99) Zeng, Yi*, Huashuai Chen, Zhenglian Wang and Kenneth C. Land (2015) Implications of Changes in Households and Living Arrangements for Future Home-based Care Needs and Costs of Disabled Elders in China. *Journal of Aging and Health*, Vol. 27(3) 519–550 (DOI: 10.1177/0898264314552690.jah.sagepub.com).
 - 100) Feng, Qiushi, Joonmo Son, and Yi Zeng. 2015. “Prevalence and correlates of successful ageing: a comparative study between China and South Korea.” *European Journal of Aging*. Vol. 12, No. 2, pp 83-94. <http://link.springer.com/article/10.1007/s10433-014-0329-5>.
 - 101) Zeng, Yi*, Huashuai Chen, Ting Ni, Rongping Ruan, Lei Feng, Chao Nie, Lingguo Cheng, Yang Li, Wei Tao, Jun Gu, Kenneth C. Land, Anatoli Yashin, Qihua Tan, Ze Yang, Lars Bolund, Huanming Yang, Elizabeth Hauser, Craig D. Willcox, Bradley J Willcox, Xiao-Li Tian*, James W. Vaupel (2015). GxE Interactions between FOXO Genotypes and Tea Drinking Are Significantly Associated with Cognitive Disability at Advanced Ages in China. *Journal of Gerontology A: Biological and Medical Sciences*. 70(4):426–433. doi:10.1093/gerona/glu060.
 - 102) Cheng, Lingguo, Hong Liu, Ke Shen, Ye Zhang, Yi Zeng (2015).The Impact of Health Insurance on Health Outcomes and Spending of the Elderly: Evidence from China’s New

- Cooperative Medical Scheme, *Health Economics*, 24(6): 672-691.
<http://onlinelibrary.wiley.com/doi/10.1002/hec.3053/abstract>.
- 103) Chei CL, Raman P, Ching CK, Yin ZX, Shi XM, Zeng Y, Matchar DB. Prevalence and Risk Factors of Atrial Fibrillation in Chinese Elderly: Results from the Chinese Longitudinal Healthy Longevity Survey. *Chin Med J (Engl)*. 2015; 128(18):2426-32.
 - 104) Zeng, Yi* (2015), Regional Diversities of Population Aging in China: Handling Demographic Changes. *German Chamber Ticker*. 2015, No. 5: 11-13.
 - 105) Gu, D., Q. Feng, Z. Wang, and Y. Zeng (2015). Recommendation to Consider the Crucial Impacts of Changes in Smaller Household Size and its Structure on Sustainable Development Goals. UNITED NATIONS SUSTAINABLE DEVELOPMENT Knowledge Platform, Scientific briefs, 2015 (online),
<https://sustainabledevelopment.un.org/topics/science/crowdsourcedbriefs>.
 - 106) Zeng, Yi*, Huashuai Chen, Ting Ni, Rongping Ruan, Chao Nie, Xiaomin Liu, Lei Feng, Fengyu Zhang, Jiehua Lu, Jianxin Li, Yang Li, Wei Tao, Simon G Gregory, William Gottschalk, Michael W. Lutz, Kenneth C. Land, Anatoli Yashin, Qihua Tan, Ze Yang, Lars Bolund, Qi Ming, Huanming Yang, Junxia Min, D. Craig Willcox, Bradley J Willcox, Jun Gu, Elizabeth Hauser, Xiao-Li Tian, James W. Vaupel (2016). Interaction between FOXO1A-209 Genotype and Tea Drinking is Significantly Associated with Reduced Mortality at Advanced Ages. *Rejuvenation Research*, Vol. 19, No. 3, pp,195-203. doi: 10.1089/rej.2015.1737.
 - 107) Zeng Yi*, Sereny, M., Gu, D. and Vaupel, J. W (2016). Older Parents Benefit More in Health Outcome From Daughters' Than Sons' Emotional Care in China. *Journal of Aging and Health*. Vol 28, Issue 8, pp. 1426-1447, First published date: January-07-2016, DOI: 10.1177/0898264315620591.
 - 108) Zeng, Yi*, Chao Nie, Junxia Min, Xiaomin Liu, Mengmeng L, Huashuai Chen,, Hanshi Xu, Mingbang Wang, Ting Ni, Yang Li, Han Yan, Jin-Pei Zhang, Chun Song, Li-Qing Chi, Han-Ming Wang, Jie Dong, Gu-Yan Zheng, Li Lin, Feng Qian, Yanwei Qi, Xiao Liu, Hongzhi Cao, Yinghao Wang, Lijuan Zhang, Zhaochun Li, Yufeng Zhou, Yan Wang, Jiehua Lu, Jianxin Li, Ming Qi, Lars Bolund, Anatoliy Yashin, Kenneth C.Land, Simon Gregory, Ze Yang, William Gottschalk, Wei Tao, Jian Wang, Jun Wang, Xun Xu, Harold Bae, Marianne Nygaard, Lene Christiansen, Kaare Christensen, Claudio Franceschi, Michael W. Lutz, Jun Gu, Qihua Tan, Thomas Perls, Paola Sebastiani, Joris Deelen, Eline Slagboom, Elizabeth Hauser, Huji Xu, Xiao-Li Tian*, Huanming Yang*, James W. Vaupel (2016). Novel loci and pathways significantly associated with longevity. *Scientific Reports*, 6, 21243;
<http://www.nature.com/articles/srep21243>.
 - 109) Zeng, Yi*, Linda George, Melanie Sereny, Danan Gu and James W. Vaupel (2016). Older parents enjoy better filial piety and care from daughters than sons in China. *American Journal of Medical Research*. 3(1), 2016, pp. 244–272.
 - 110) Zeng*, Yi and Therese Hesketh (2016). The effects of China's universal two-child policy. *Lancet*, Vol. 388, No. 10054, pp. 1930–38. --cover-page article of *Lancet*.
 - 111) Xinyi Zhu, Chengxuan Qiu, Yi Zeng and Juan Li (2016). Leisure activities, education, and cognitive impairment in Chinese older adults: a population-based longitudinal study. *International Psychogeriatrics*, Published online: 09 January 2017, 1–13, doi:<http://doi.org/10.1017/S1041610216001769>.
 - 112) Zeng Y*, Feng Q, Hesketh T, Christensen K, Vaupel JW (2017). Survival, disabilities in activities of daily living, physical and cognitive functioning among the oldest-old in China: a cohort study. *Lancet* 2017; 389: 1619-29. <https://www.ncbi.nlm.nih.gov/pubmed/28285816>
 - 113) Zeng, Yi*, Qiushi Feng, Danan Gu, and James Vaupel (2017) Demographics, Phenotypic Health Characteristics and Genetic Analysis of Centenarians in China. *Mechanism of Aging and Development*, 165 (2017) 86-97.

<http://dx.doi.org/10.1016/j.mad.2016.12.010>.

- 114) Zeng, Yi*, Qiushi Feng, Therese Hesketh, Kaare Christensen, and James W Vaupel. (2017). The oldest-old in China – Authors' reply. *The Lancet*. 390. 847. 10.1016/S0140-6736(17)31829-9.
- 115) Zeng, Yi* (2017), Preface of interdisciplinary research on healthy aging, *Special Collection of Demographic Research*, 2017.
- 116) Yin Z., Z. Fei, C. Qiu, M.S. Brasher, V.B. Kraus, W. Zhao, X. Shi*, Y. Zeng* Dietary diversity and cognitive function among elderly people: a population-based study. *Journal of Nutrition, Health and Aging*, 2017, 21 (10):1089-1094.
- 117) Lv, Yue-Bin Lv, Xiang Gao, Zhao-Xue Yin, Hua-Shuai Chen, Jie-Si Luo, Melanie Sereny Brasher, Virginia Byers Kraus, Tian-Tian Li, Yi Zeng, Xiao-Ming Shi (2018). Revisiting the association of blood pressure with mortality in oldest old people in China: community based, longitudinal prospective study. *British Medical Journal, BMJ* 2018;361:k2158 | doi: 10.1136/bmj.k2158.
- 118) Zeng, Yi*, Chao Nie*, Junxia Min*, Huashuai Chen, Xiaomin Liu, Rui Ye, Zhihua Chen, Chen Bai, Enjun Xie, Zhaoxue Yin, Yuebin Lv, Jiehua Lu, Jianxin Li, Ting Ni, Lars Bolund, Kenneth C. Land, Anatoliy Yashin, Angela M O'Rand, Liang Sun, Ze Yang, Wei Tao, Anastasia Gurinovich, Claudio Franceschi, Jichun Xie, Jun Gu, Yong Hou, Xiao Liu, Xun Xu, Jean-Marie Robine, Joris Deelen, Paola Sebastiani, Eline Slagboom, Thomas Perls, Elizabeth Hauser, William Gottschalk, QihuaTan, Kaare Christensen, Xiaoming Shi, Mike Lutz, Xiao-Li Tian, Huanming Yang, James Vaupel (2018). Sex Differences in Genetic Associations With Longevity. *JAMA Network Open*. 2018; 1(4): e181670.doi:10.1001/jamanetworkopen.2018.1670. [The NIHMS# is: NIHMS988024]. (cited grants of NSFC project 71490732 and NIA/NIH 2P01AG031719).
- 119) Xin Zhao, Xiaomin Liu, Aiping Zhang, Huashuai Chen, Qing Huo, Weiyang Li, Rui Ye, Zhihua Chen, Liping Liang, Qiong A. Liu, Juan Shen, Xin Jin, Wenwen Li, Marianne Nygaard, Xiao Liu, Yong Hou, Ting Ni, Lars Bolund, William Gottschalk, Wei Tao, Jun Gu, Xiao-Li Tian, Huanming Yang, Jian Wang, Xun Xu, Michael W. Lutz, Junxia Min*, Yi Zeng*, Chao Nie* (2018). The correlation of copy number variations with longevity in a genome - wide association study of Han Chinese. *AGING-US*, Vol. 10, No. 6: 1206-1222.
- 120) Lv YB, Yuan JQ, Mao C, Gao X, Yin ZX, Kraus VB, Luo JS, Chen HS, Zeng Y, Wang WT, Wang JN, Shi XM* (2018). Association of Body Mass Index With Disability in Activities of Daily Living Among Chinese Adults 80 Years of Age or Older. *JAMA Network Open*. 2018; 1(5).
- 121) Zeng, Yi and Zhenglian Wang (2018). Dynamics of Family Households and Elderly Living Arrangements in China, 1990-2010, *China Population and Development Studies*, Vol. 2, No. 2: 129-157.
- 122) Anna Zhu, Chang Shu, Lijing Yan, Yi Zeng, John S. Ji*. "APOE ε4 Modifies Effect of Residential Greenness on Cognitive Function among Older Adults: A Longitudinal Analysis in China." *Scientific Reports*, 2019 (cited NSFC 71490732 and the National Key R&D Program of China 2018YFC2000400).
- 123) Anna Zhu, Chenkai Wu, Lijing Yan, Chih-Da Wu, Chen Bai, Xiaoming Shi, Yi Zeng, John S. Ji*. "Association between Residential Greenness and Cognitive Function: Analysis of the Chinese Longitudinal Healthy Longevity Survey." *BMJ Nutrition, Prevention and Health*, 2019 (cited NSFC 71490732 and the National Key R&D Program of China 2018YFC2000400);
- 124) Anna Zhu, Lijing Yan, Chih-Da Wu, Peter James, Yi Zeng, John S. Ji*. "Residential Greenness, Activities of Daily Living (ADL) and Instrumental Activities of Daily Living (IADL): A Longitudinal Cohort Study of Older Adults in China." *Environmental*

- Epidemiology*, 2019 - Volume 3 - Issue 5, (cited NSFC 71490732 and the National Key R&D Program of China 2018YFC2000400);
- 125) John S. Ji*, Anna Zhu, Chen Bai, Chih-Da Wu, Lijing Yan, Shenglan Tang, Yi Zeng, Peter James. “Residential Greenness and Mortality in Oldest-Old Women and Men in China: a longitudinal cohort study.” *The Lancet Planetary Health*, 2019 Jan; 3(1) (cited NSFC 71490732);
 - 126) Feng, Qiushi, Wei-Jun Jean Yeung, Zhenglian Wang, Yi Zeng (2019). Age of Retirement and Human Capital in an Aging China, 2015–2050. *European Journal of population*, 35: 29–62.
 - 127) Feng, Qiushi*, Zhenglian Wang, Simon Choi, **Yi Zeng*** (2020). Forecast Households at the County Level: An Application of the ProFamy Extended Cohort-Component Method in Six Counties of Southern California, 2010 to 2040. *Population Research and Policy Review*, 39:253–281, <https://doi.org/10.1007/s11113-019-09531-4>.
 - 128) **Zeng, Yi***, Z. Zheng (2020). Longitudinal Survey and Interdisciplinary Research on Healthy Aging, Editorial Preface of the Special Issue of *China Population and Development Studies* on data analyses of 8th wave of Chinese Longitudinal Healthy Longevity Survey (CLHLS).
 - 129) Zhu Y, Y Liang A. H. Khan, M/ Dong, Y Wan, Z Sun, **Yi Zeng**, C Nie, X Tian* (2020). Allelic distribution of ABO gene in Chinese centenarians. *Aging Medicine*. Published online, <https://doi.org/10.1002/agm2.12122>.
 - 130) Zhu Anna, **Yi Zeng**, John S. Ji* (2020). “Residential Greenness Alters Serum 25 (OH) D Concentration: A Longitudinal Cohort of Chinese Older Adults. *Journal of the American Medical Directors Association*, <https://doi.org/10.1016/j.jamda/2020.4.26>.
 - 131) Jin X, Xiong S, Ju S, **Yi Zeng**, Yan L*, Yao Y*. (2020). Serum 25-Hydroxyvitamin D, Albumin, and Mortality among Chinese Older Adults: A Population-based Longitudinal Study. *The Journal of Clinical Endocrinology & Metabolism*, 105 (8), 2762-2770.
 - 132) Yao Y#, Liu L., Guo G, **Yi Zeng**, & Ji J*. (2020). Interaction of Sirtuin 1 (SIRT1) Candidate Longevity Gene and Particulate Matter (PM 2.5) on All-Cause Mortality: A Longitudinal Cohort Study. *Environmental Health*.
 - 133) Yao Y#, Jin X#, Cao K, Zhao M, Zhu T, Zhang J*, **Yi Zeng***. (2020). Residential Proximity to Major Roadways and Cognitive Function among Chinese Adults 65 Years and Older. *Science of The Total Environment*, 142607, 1-8.
 - 134) Yao Y#, Cao K, Zhang K, Zhu T, Yue D, Zhang H, **Yi Zeng***, Jin X*, Zhang J* (2020). Residential Proximity to Major Roadways and Prevalent Hypertension Among Older women and men: Results from the Chinese Longitudinal Healthy Longevity Survey. *Frontiers in Cardiovascular Medicine*. 2020;7:587222. Published 2020 Nov 17. doi:10.3389/fcvm.2020.587222. PMID: 33282919; PMCID: PMC7705226.
 - 135) Han B#, Chen H, Yao Y, Liu X, Nie C, Min J, **Yi Zeng***, Lutz M* (2020). Genetic and non-genetic factors associated with the phenotype of exceptional longevity & normal cognition. *Scientific Reports*. 2020 Nov 5;10(1):19140. doi: 10.1038/s41598-020-75446-2. PMID: 33154391.
 - 136) Yu Junhong, Qiushi Feng, Jintai Yu, Yi Zeng* and Lei Feng* (2020). Late-Life Cognitive Trajectories and their Associated Lifestyle Factors. *Journal of Alzheimer’s Disease* 73 (2020) 1555–1563. DOI 10.3233/JAD-191058. (cited NSFC (71490732), the National Key R&D Program of China (2018YFC2000400), and NIA/NIH (P01AG031719).
 - 137) Tiago S. Jesus,*, Michel D. Landry, Helen Hoenig, **Yi Zeng**, Sureshkumar Kamalakannan, Raquel R. Britto, Nana Pogossova , Olga Sokolova , Karen Grimmer and Quinette A. Louw (2020). Physical Rehabilitation Needs in the BRICS Nations from 1990 to 2017: Cross-National Analyses Using Data from the Global Burden of Disease Study. *International Journal of Environmental Research and Public Health*. 2020, 17, 4139;

doi:10.3390/ijerph17114139.

- 138) Yao Y#,*, Zhang H, Liu XR, Liu XY, Chu T, **Yi Zeng** (2021). Bridging the digital divide between old and young people in China: challenges and opportunities. *The Lancet Healthy Longevity*, 2021, Volume 2, Issue 3, e125 - e126.
- 139) Xiaomin Liu#, Zijun Song#, Yan Li#, Yao Yao#, Mingyan Fang, Chen Bai, Peng An, Huashuai Chen, Zihua Chen, Biyao Tang, Juan Shen, Xiaotong Gao, Mingrong Zhang, Pengyu, Chen, Tao Zhang, Huijue Jia, Xiao Liu, Yong Hou, Huanming Yang, Jian Wang, Fudi Wang, Xun Xu, Junxia Min*, Chao Nie*, **Yi Zeng*** (2021). Integrated genetic analyses revealed novel human longevity loci and reduced risks of multiple diseases in a cohort study of 15,651 Chinese individuals. *Aging Cell*; <https://doi.org/10.1111/accel.13323>.
- 140) Yao Yao, Linxin Liu, Guang Guo, Yi Zeng and John S. Ji* (2021). Interaction Q1 of Sirtuin (SIRT1) candidate longevity gene and particulate matter (PM2.5) on all-cause mortality: a longitudinal cohort study in China. *Environmental Health*, <https://doi.org/10.1186/s12940-021-00718-x> (cited NIA/NIH project 2P01AG031719, National Key R&D 624 Program of China project 2018YFC2000400 and National Natural Sciences Foundation of China project 71490732).
- 141) Zhang, Yun, Xurui Jin, Michael W. Lutz, Sang-Yhun Ju, Keyang Liu, Guang Guo, Yi Zeng*, Yao Yao* (2021) Interaction between APOE ϵ 4 and dietary protein intake on cognitive decline: A longitudinal cohort study. *Clinical Nutrition* 40 (2021): 2716-2725; <https://doi.org/10.1016/j.clnu.2021.03.004>. (cite grants supports from NIA/NIH, the Duke/Duke-NUS Collaboration Pilot Project, the China Natural Science Foundation, the China Social Science Foundation and the United Nations Fund for Population Activities (UNFPA)).
- 142) Yao Yao, Huashuai Chen, Lele Chen, Sang-Yhun Ju, Huazhen Yang, Yi Zeng*, Danan Gu* and Tze Pin Ng* (2021) Type of tea consumption and depressive symptoms in Chinese older adults. *BMC Geriatrics*, 2021, 21:331; <https://doi.org/10.1186/s12877-021-02203-z>
- 143) Chen Bai, Muqi Guo, Yao Yao, John S. Ji, Danan Gu* and Yi Zeng* (2021). Sleep duration, vegetable consumption and all-cause mortality among older adults in China: a 6-year prospective study. *BMC Geriatrics*, <https://doi.org/10.1186/s12877-021-02278-8> (cited National Key R&D Program of China (2018YFC2000400), National Natural Sciences Foundation of China (72061137004, 81903392, 81941021), the U.S. NIA/NIH (P01AG031719), and the Duke/Duke-NUS/RECA(Pilot)/2019/0051).
- 144) Xurui Jin, Wanying HeID, Yan Zhang, Enying Gong, Zhangming Niu, John Ji, Yaxi Li, Yi Zeng, Lijing L. Yan (2021). Association of APOE ϵ 4 genotype and lifestyle with cognitive function among Chinese adults aged 80 years and older: A cross-sectional study. *PLOS Medicine*, *PLOS Medicine*, <https://doi.org/10.1371/journal.pmed.1003597>, June 1, 2021 (cited MOST 2018YFC2000400, NSFC 71490732).
- 145) Xurui Jin, Chang Shu, Yi Zeng, Liming Liang, John S. Ji (2021). Interaction of greenness and polygenic risk score of Alzheimer's disease on risk of cognitive impairment, *Science of The Total Environment*, Volume 796, 2021, 148767, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2021.148767>.
- 146) Liu, Linxin, Huichu Li, Hari Iyer, Andy J. Liu, Yi Zeng, John S. Ji (2021) . Apolipoprotein E Induced Cognitive Dysfunction: Mediation Analysis of Lipids and Glucose Biomarkers in an Elderly Cohort Study, *Frontiers in Aging Neuroscience*, 13 August 2021, <https://doi.org/10.3389/fnagi.2021.727289>.
- 147) Zeng, Yi (2021). Gender Differences in Familial, Socioeconomic and Health Statuses among Oldest-Old Aged 80+ in China. *CCDC Weekly*, in press.
- 148) Zeng, Yi, Hanmo Yang, Zhenglian Wang and Lan Li (2021). Impacts of Family Household Dynamics on Residential Energy Demands in Hebei Province of China. *GENUS*, in press.

1.3. Articles in English as chapters in peer-reviewed books published in North America or Europe (excluding chapters of the books totally written by or mostly written by Yi Zeng)

- 1) Zeng, Yi*. 1989. "Population Policy in China: New Challenge and Strategies." Pp. 61-73. In *An Aging World*, edited by John M. Eekelaar and David Pearl. Oxford: Oxford University Press.
- 2) Zeng, Yi* and A. Coale. 1990. "Age Schedules of Leaving the Parental Home in U.S.A., France, and Sweden." In *Changing Family Structure and Population Aging in China: A Comparative Approach*, edited by Zeng et al. Beijing: Peking University Press.
- 3) Zeng, Yi*. 1992. "Changes in family structure in China." In *The Population of Modern China*, edited by Dudley L. Poston and David Yaukey. Pp. 535-548. New York: Plenum Press.
- 4) Zeng, Yi* and Zhang Qinwu. 1997. "Conditions in China Influencing Out-migration." In *The Silent Debate: Asian Immigration and Racism in Canada*, edited by E. Laquian, A. Laquian, Terry McGee. Pp. 75-84. Institute of Asian Research. The University of British Columbia.
- 5) Wang Zhenglian, Yi Zeng*, Bernard Jeune, and J. Vaupel. 1997. "A Demography and Health Profile of Centenarians in China." In *Longevity: To the Limits and Beyond*, edited by J-M. Robine et al. Pp. 91-104. New York/Berlin: Springer Publisher.
- 6) Zeng, Yi*. 1999. "Population Aging in China: Policy Tradeoff and Challenges." In *Population Aging: Challenges for Policies and Programs in Developed and Developing Countries*, edited by R. Cliquet and M. Nizamuddin. Pp. 221-232. Jointly published by United Nations Population Fund and Population and Family Study Center, Belgium.
- 7) Zeng, Yi*. 2000. "Marriage Patterns in Contemporary China." In *The Changing Population of China*, edited by Xizhe Peng with Zhigang Guo. Oxford: Blackwell Publishers.
- 8) Zeng, Yi*. 2000. "Prospective du vieillissement: le cas de la Chine et comparaisons internationales". In *Les Cles du XXIe Siecle*. Edited by Jerome Binde and prefaced by Koichiro Matsuura, Director General of UNESCO, Paris: Seuil, Editions UNESCO.
- 9) Zeng, Yi*. 2001. "Forecasting the Ageing of Populations: China and International Comparisons." In *Keys to the 21st Century*, Jerome Binde (ed.). New York/Oxford/Paris: Berhahn Books and UNESCO Publishing.
- 10) Zeng, Yi*. 2002. "Old Age Insurance and Sustainable Development in Rural China." In Gudrun *Sustainable Development with a Dynamic Economy*. Kochendörfer-Lucius and Boris Pleskovic (eds.). Washington: World Bank.
- 11) Zeng, Yi*. 2002. "Population Problems and Strategies in China." In a book (in both English and French languages) on *Population of Contemporary China* edited by Isabelle Attane, Paris: INED.
- 12) Zeng, Yi*, Gu Danan and Kenneth C. Land. 2005. "A Method for Correcting the Underestimation of Disabled Life Expectancy, with an Empirical Application to Oldest-Old in China." In Zeng, Yi, Eileen Crimmins, Yves Carrière, Jean-Marie Robine (eds.). *Longer Life and Healthy Aging*. Dordrecht: Springer Publisher.
- 13) Zeng, Yi*, Liu Yuzhi and Linda K. George. 2005. "Female Disadvantages among the Elderly in China." In Zeng, Yi, Eileen Crimmins, Yves Carrière, Jean-Marie Robine (eds.). *Longer Life and Healthy Aging*. Dordrecht: Springer Publisher.

- 14) Kenneth C. Land, Yang Yang, and Yi Zeng, 2005. "Mathematical Demography," Chapter 22, in D. L. Poston, Jr. and M. Micklin (editors). *Handbook of Population*. New York: Springer Publishers.
- 15) Zeng, Yi* and James W. Vaupel. 2006. "Oldest-old Mortality in China." In: Jean-Marie Robine, Eileen M. Crimmins, Shiro Horiuchi, and Yi Zeng (eds.) *Human Longevity, Individual Life Duration, and the Growth of the Oldest-Old Population*. Dordrecht: Springer Publisher.
- 16) Zeng, Yi. 2007*. "Dynamics of Elderly Living Arrangements in China." In: *New Perspectives in China and Aging*, Pp 93-104, edited by Ian G. Cook and Jason L. Powell. New York: Nova Science Publishers.
- 17) Dudley L. Poston, Jr. and Yi Zeng*, 2008. "Introduction: Aging and Aged Dependency in China", Chapter 1 in: Zeng, Yi, Dudley Poston, Denese Ashbaugh Vlosky, and Danan Gu (eds.). 2008. *Healthy Longevity in China: Demographic, Socioeconomic, and Psychological Dimensions*. Dordrecht: Springer Publisher.
- 18) Zeng, Yi*, 2008. "Introduction to the Chinese Longitudinal Healthy Longevity Survey (CLHLS)", Chapter 2 in: Zeng, Yi, Dudley Poston, Denese Ashbaugh Vlosky, and Danan Gu (eds.). 2008. *Healthy Longevity in China: Demographic, Socioeconomic, and Psychological Dimensions*. Dordrecht: Springer Publisher.
- 19) Zeng, Yi* and Danan Gu, 2008. "Reliability of Age Reporting among the Chinese Oldest-old in the CLHLS Datasets", Chapter 4 in: Zeng, Yi, Dudley Poston, Denese Ashbaugh Vlosky, and Danan Gu (eds.). 2008. *Healthy Longevity in China: Demographic, Socioeconomic, and Psychological Dimensions*. Dordrecht: Springer Publisher.
- 20) Zeng, Yi, 2008. "Epilogue: Future Agenda", Chapter 25 in: Zeng, Yi, Dudley Poston, Denese Ashbaugh Vlosky, and Danan Gu (eds.). 2008. *Healthy Longevity in China: Demographic, Socioeconomic, and Psychological Dimensions*. Dordrecht: Springer Publisher.
- 21) Gu, Danan; Vlosky, A. Denese; and Zeng, Yi. Gender Differentials in Transitions and Expected Years Spending in Seven Living Arrangements among the Oldest-Old in China-- - A Population-Based Decrement-Increment Life Table Analysis. In Harriet T. Benninghouse and Andria G. Rosset (eds.). *Women and Aging: New Research*. New York: Nova Publisher. 2008.
- 22) Zeng, Yi* and Linda K. George, 2010. Population Aging and Old-Age Care in China. In: Dale Dannefer and Chris Phillipson (eds.) *Sage Handbook of Social Gerontology*, Thousand Oaks/CA/USA: Sage Publications.
- 23) Shen, Ke and Yi Zeng. 2011*. The association between resilience and survival among Chinese elderly. In Resnick B., L.P. Gwyther and K.A. Roberto (eds), *Resilience in Aging: Concepts, Research and Outcomes*. New York: Springer Publisher, 2011.
- 24) Gu, Danan, Qiushi Feng, and Yi Zeng: "Chinese Longitudinal Healthy Longevity Study", in: N.A. Pachana (ed.), *Encyclopedia of Geropsychology*, Springer Science+Business Media Singapore 2016. DOI 10.1007/978-981-287-080-3_76-1.
- 25) Lynch Scott M., Kenneth C. Land, Yang Claire Yang, Yi Zeng (2019). Mathematical Demography. Chapter 29 (pp. 747-773) in Dudley L. Poston, Jr. (editor). *Handbook of Population*. 2nd edition. Cham, Switzerland: Springer Nature.
- 26) Zeng, Yi and Zhenglian Wang (2019). Dynamics and Policy Implications of Family Households and Elderly Living Arrangements in China, a Chapter in the book entitled "China's Changing Family Structure: Dimensions and Implications", edited by Nicholas N. Eberstadt and published by the American Enterprise Institute for Public Policy Research.
- 27) Zeng, Yi and Qiushi Feng (2021). Trends of Dynamic Changes in Activities of Daily Living, Physical Performance, Cognitive Function and Mortality Rates among the Oldest-old in

- China, Chapter 4, in: Zeng Y, Lu JH, Lei XY and Shi XM (eds), Trends and Determinants of Healthy Aging in China. 2021, New York: Springer Nature Publisher (in press).
- 28) Zeng, Yi, Huashuai Chen and Zhenglian Wang (2021). Analysis of Trends of Future Home-based Care Needs and Costs for the Elderly in China, Chapter 6, in: Zeng Y, Lu JH, Lei XY and Shi XM (eds), Trends and Determinants of Healthy Aging in China. 2021, New York: Springer Nature Publisher (in press).
 - 29) Yao Yao and Zeng, Yi (2021). Residential Proximity to Major Roadways and Cognitive Function among Chinese Adults 65 Years and Older, Chapter 8, in: Zeng Y, Lu JH, Lei XY and Shi XM (eds), Trends and Determinants of Healthy Aging in China. 2021, New York: Springer Nature Publisher (in press).
 - 30) Zeng, Yi, Danan Gu, Jama Purser, Helen Hoenig 和 Nicholas Christakis (2021). Associations of Community Environmental Factors with Elderly Health and Mortality in China, Chapter 17, in: Zeng Y, Lu JH, Lei XY and Shi XM (eds), Trends and Determinants of Healthy Aging in China. 2021, New York: Springer Nature Publisher (in press).
 - 31) Zeng, Yi and Lingguo Cheng (2021). Effects of Interactions between Environmental and Genetic Factors on Healthy Aging: A Review on the Relevant Prior Research, Chapter 18, in: Zeng Y, Lu JH, Lei XY and Shi XM (eds), Trends and Determinants of Healthy Aging in China. 2021, New York: Springer Nature Publisher (in press).
 - 32) Zeng, Yi (2021). Implementing the Universal Two & Three Child Policy is Largely Beneficial for Facing the Serious Challenges of Population Aging in China, Chapter 27, in: Zeng Y, Lu JH, Lei XY and Shi XM (eds), Trends and Determinants of Healthy Aging in China. 2021, New York: Springer Nature Publisher (in press).
 - 33) Zeng, Yi and Angang Hu (2021). Integrate Administrations of Health, Family Planning, and Population Aging to Promote Well-being of Billions of Families, Chapter 28, in: Zeng Y, Lu JH, Lei XY and Shi XM (eds), Trends and Determinants of Healthy Aging in China. 2021, New York: Springer Nature Publisher (in press).
 - 34) Zeng, Yi (2021). Closing Remarks: Further Study Prospects, in: Zeng Y, Lu JH, Lei XY and Shi XM (eds), Trends and Determinants of Healthy Aging in China. 2021, New York: Springer Nature Publisher (in press).

1.4. Mainly Editor-Reviewed Academic Articles Published in North America or Europe

- 1) Zeng, Yi*. 1985. "A Demographic Profile of Family in China." (Het Chinese gezin in demografisch perspectief) *Demos*, April, 1985, Netherlands Interuniversity Demographic Institute.
- 2) Zeng, Yi*. 1986. "Family Status Life Table: An Extension of Bongaarts' Nuclear Family Model." Working paper of Netherlands Interuniversity Demographic Institute (NIDI), No. 70.
- 3) Zeng, Yi*. 1986. "Fertility and Family Dynamics in China." Working paper of Interuniversity Program in Demography, Brussels Free University. No. 86-6, Brussels.
- 4) Zeng, Yi*. 1989. "A Model of Family Status Life Table and Its Application." English version of *Chinese Journal of Population Science* 1: 77-94, published in the U.S. by Allerton Press, Inc.
- 5) Zeng, Yi*. 1989. "A Policy in Transition." *People*, Vol. 16, No. 1, 1989.
- 6) Zeng, Yi* 1989. "Population Trends in China: A New Challenge." Pp. 197-196 in *Media Standards and Journalistic Accountability*, Proceedings of the Ninth World Media Conference, March 22-25, 1989, published by World Media Association.
- 7) Zeng, Yi. 1990*. "An Analysis of Changing Trends in China's Urban and Rural Households." English version of *Chinese Journal of Population Science* 2: 187-200, published in the U.S.

by Allerton Press, Inc.

- 8) Zeng, Yi. 1991*. "A Comparative Study of Family Dynamics in Rural and Urban Areas in China." In *Fertility in China*, Pp. 467-486. Published by the International Statistical Institute (ISI). The Hague: ISI.
- 9) Zeng, Yi*, Li Xiaoli and Ma Zhongdong. 1991. "The Trend and the Model Schedule of Leaving the Parental Home after Marriage in China." In *Fertility in China*, Pp. 421-450. Published by International Statistical Institute (ISI). The Hague: ISI.
- 10) Zeng, Yi*, Li Xiaoli and Ma Zhongdong. 1991. "A Chinese Female Postnuptial Leaving Home Model--A Procedure for Analysing Main Parameters α and β in the Setting up, Testing and Estimation of the Model." English version of *Chinese Journal of Population Science* 3: 205-18 published in the U.S. by Allerton Press, Inc.
- 11) Zeng, Yi*, T. Paul Schultz and Wang Deming. 1992. "An Event History Analysis of Divorce in China." Economic Growth Center Discussion paper, No. 675, Yale University.
- 12) Zeng, Yi*, Li Wei, and Liang Zhiwu. 1992. "The Status, Regional Differences, and Trend of Chinese Family Structure." English version of *Chinese Journal of Population Science* 4: 263-84, published in the U.S. by Allerton Press, Inc.
- 13) Zeng, Yi*. 1993. "Some Important Issues of Population and Sustainable Development in China." In *English version of the Proceedings of International Workshop on China's Agenda in 21st Century*.
- 14) Jiang Zhenghua and Yi Zeng*. 1994. "Changes in Household Size and Structure in China." *China Population Today*. 11 (6): 5-8.

1.5. Manuscripts written in English, not published but have been used in teachings of courses and training workshops

- 1) Zeng, Yi. 1996. *Methods and Applications of Demographic Analysis*. (Note: Yi Zeng used this unpublished text book manuscript to teach a demographic method course in English for Chinese and foreign graduate students at Peking University from 1992 to 1996; the faculty members at Peking University have been using it since 1996).
- 2) Zeng, Yi and Wang Zhenglian. 1998. "ProFamy: a New Method and User-Friendly Computer Software for Family Household Projection." Different versions of this manuscript was presented, demonstrated, and used for training workshops on "Family Household Projections", at: (1) Max Planck Institute for Demographic Research (MPIDR), Rostock, Germany, July 26 - August 2, 1998; (2) the Summer School jointly organized by the International Union for Scientific Studies of Population and MPIDR in Rostock, Germany, July, 2005; (3) Australian Demographic and Social Research Institute at Australian National University, Dec.6-7, 2007; (4) Demography Department and Population Studies Center of University of Campinas, Brazil, Sept. 26-30, 2016.

1.6 Research reports written in English specially invited and submitted to the U.S. Census Bureau

1. Zeng Yi and Zhenglian Wang. 2002. "U.S. Households Projection by Race Using Demographic Rates as Input --Primary Progress Report," Report No. 1 submitted to the Census Bureau.

2. Zeng Yi, Chingli Yang, Zhenglian Wang, and Philip Morgan. 2002. "Marital Status Transitions and Fertility in the United States -- Occurrence/Exposure Rates and Frequencies of Marital Status Transitions & Marital and Non-Marital Fertility by Race, Age, and Parity in Periods 1970-1996, and Cohorts born since 1920," Report No. 2 submitted to the Census Bureau.
3. Zeng Yi and Zhenglian Wang. 2002. "Projection of U.S. Households by Race," Report No. 3 submitted to the Census Bureau.

2. Publications written in Chinese and published in China

2.1. Books written in Chinese and published in Chi

- 1) Zeng, Yi and Wang Zhenglian. 1990. *Chinese version of the User's Manual and Software of "FAMY" --- A PC Computer program for Family Status Life Table Analysis*. Beijing: Peking University Press.
- 2) Zeng, Yi. 1993. *Methods and Application of Demographic Analysis*. Beijing: Peking University Press.
- 3) Zeng, Yi. 1994. *China's Population Trends and Strategies*. Beijing: Peking University Press.
- 4) Zeng, Yi and Guo Zhiguang et al. 1994. Translation of a book originally written in English by Bongaartz et al: *Family Demography: the models and applications*. Beijing: Peking University Press.
- 5) Zeng, Yi, et al. 1995. *Divorce in the 1980s in China*. Beijing: Peking University Press.
- 6) Zha Ruichuan, Yi Zeng, and Guo Zhigang (eds.). 1996. *Analysis of the Data of the 1990 National Census in China (Two volumes)*. Beijing: Higher Education Press.
- 7) Zhang Chunyuan and Yi Zeng (eds.). 1996. *Market Demography*. Beijing: Peking University Press.
- 8) Zeng, Yi, Liu Yuzhi, Zhang Chunyuan, and Xiao Zhenyu (eds.). 2004. *Analysis on Determinants of Healthy Longevity*. Beijing: Peking University Press.
- 9) Zeng, Yi. 2004. *Analysis on Chinese Population*. Beijing: Peking University Press.
- 10) Zeng, Yi, Gu, Danan, Xiao Zhenyu, and Tao Liqun (eds.). 2005. *Graph Collections of Healthy Longevity in China*. Beijing: China Population Publishing House (in both Chinese and English).
- 11) Zeng, Yi, Li Ling, Gu Baochang, and Lin Yifu (eds.). 2006. *21st Century Population and Economic Development in China*. Beijing: Social Sciences Academic Press of China.
- 12) Zeng, Yi, Gu Baochang, and Guo Zhigang (eds.). 2010. *Population and Economic Development in China under the low fertility*. Beijing: Peking University Press.
- 13) Zeng, Yi (ed.) 2010. *Research on Elderly Population, Family, Health and Care Needs/Costs*. Beijing: Sciences Press.
- 14) Yi Zeng (ed.). 2010. "Demography" volume of the *Encyclopedia of Life Support Systems (EOLSS)* (www.eolss.net), coordinated by the UNESCO-EOLSS Committee. Published by Oxford: EOLSS Publishers Co. Ltd., Chinese version translated by Ma Li, Jiang Weiping, Liu Hongyan, Guo Weiming and academically checked by Y.C. You and Gu Baochang et al., Beijing, China Population Press, 2010.

- 15) Zeng, Yi, Zhang Zhen, Gu Danan and Zheng Zhenzhen. 2011. *Methods and Application of Demographic Analysis (Second Edition)*. Beijing: Peking University Press (This book received the award for the text books by Excellent Educators and renowned researchers from Beijing Municipal Education Commission).
- 16) Zeng, Yi, Baochang Gu, Jianzhang Liang, Zhigang Guo (eds.) 2013. *Fertility Policy Adjustment and Development in China*. Beijing: Social Science Academic Press (China).
- 17) Zeng, Yi, Jiehua Lu, Xiaoyan Lei and Xiaoming Shi (eds.) 2018. *Healthy Aging in China: Trends and Determinants*. Beijing: Science Press. -- Based on anonymous peer-review and experts committee's evaluations, this book was selected as part of the "National Philosophy and Social Sciences Outstanding Achievements Library", which is the highest books honor of Philosophy and Social Sciences in China.
- 18) Zeng, Yi (ed.) (2021). *Influencing Factors and Effective Interventions for Healthy Aging in China*. Science Press, Beijing, forthcoming. This book is selected as part of the China's National Key Publications Program, supported by Chinese National Publication Funds.
- 19) Zheng, Zhenzhen, Xiaomin Shi, Xiaoyan Lei and Yi Zeng (eds.) 2021. *Chinese Longitudinal Healthy Longevity Survey and the Database Development*, Science Press, Beijing, forthcoming. This book is selected as part of the China's National Key Publications Program, supported by Chinese National Publication Funds.
- 20) Zeng, Yi (ed.) 2021. *The Innovative Multistate Methods for Household and Living Arrangement Projections and Applications*, Science Press, Beijing, in press. This book is selected as part of the China's National Key Publications Program, supported by Chinese National Publication Funds.

2.2. Professional articles written in Chinese and published in peer-reviewed academic journals in China

- 1) Zeng, Yi*. 1982. "The Rise of Qinghai-Xizang (Tibet) Plateau and the Evolution of Chinese Natural Environment." *Journal of Geographic Teaching* (Dili Jiaoxue). No.2, 1982, Shanghai Education Press.
- 2) Zeng, Yi*. 1987. "Method of Constructing Multi-state Life Tables and Application to the Study of Nuptiality of Chinese Women." *Population Research* (Renkou Yanjiu). No. 3, 1987.
- 3) Zeng, Yi*. 1987. "How the Drop in Birth Rates Is Expected to Affect Chinese Family Structure." *Academic Journal of Peking University* (Philosophy and Social Science) (Beijing Daxue Xuebao), No. 4, 1987.
- 4) Zeng, Yi*. 1987. "Impact of Urbanization on the Population Growth." *Population and Economics*, No.6, 1987.
- 5) Zeng, Yi*. 1987. "Changes in Family Structure in the U.S.A. Since the 1960s." *Young Geographers* (Qingnian Dilixuejia). Vol. 3, No. 3, 1987.
- 6) Zeng, Yi*. 1988. "Impact of Demographic Changes on the Family Status of Women." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), No. 1, 1988, pp.1-13.
- 7) Zeng, Yi*. 1988. "A Very Active Field of Demography - Family Demography." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), No. 6, 1988.
- 8) Zeng, Yi. 1989. "An Analysis on the Trends of Family Changes in Rural and Urban China." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), No. 6, 1989.

- 9) Zeng, Yi* and Li Xiaoli. 1990. "Changes in Family Life Course and Family Structure in Rural Areas of Hunan and Shanxi Provinces." *Population and Economics* (Renkou yu Jingji). No. 2, 1990.
- 10) Zeng, Yi*. 1990. "Socio-economic Strategies for Controlling Population Growth and Improving Quality of Life." *Population Dynamics* (Renkou Dongtai), No. 3, 1990.
- 11) Jiang, Zhenghua, Zeng Yi, Wang, Shengjin. 1990. "The Introduction and Comments on Main Branches of Applied Demography." *Population Dynamics* (Renkou Dongtai), No.6, 1990.
- 12) Zeng, Yi, Tu Ping, Guo Liu, and Xie Ying. 1991. "Demographic Analysis on the Causes of the Recent Increase in Crude Birth Rates in the Whole Country and 30 Provinces of China." *Population Research* (Renkou Yanjiu), No.1, 1991.
- 13) Zeng, Yi*, Li Xiaoli and Ma Zhongdong. 1991. "The Model of Leaving the Parental Home After Marriage and a Method for Estimating Its Main Parameters." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), No. 1, 1991.
- 14) Zeng, Yi*. 1991. "The Impact of Population Urbanization on Future Population Development." *Population Journal*, No.2, 1991.
- 15) Zeng, Yi* and J. Vaupel. 1991. "Several Problems in the Future Process of Population Development in China." *Journal of Chinese Social Sciences* (Zhongguo Shehui Kexue), No. 3, 1991.
- 16) Zeng, Yi*. 1991. "The effect of Gradually Increasing Women's Mean Age at Birth on China's Population Development" *Population and Economics* (Renkou yu Jingji). 1991, No. 2. pp. 3-10.
- 17) Zeng, Yi*, Li Xiaoli, Jia Tongjin and Yang Rizhang. 1991. "The Pattern of Co-residence at the Time of First Marriage and Leaving the Parental Home After Marriage in China." *Population Dynamics* (Renkou Dongtai), No.3, 1991.
- 18) Zeng, Yi*, Qiu, Peiling. 1992. "Late Marriage and Late Child-Bearing is Accessible only if the Leader Paid High Attention and the Measures were Appropriate." *Population Journal*. No. 6, 1992.
- 19) Zeng, Yi*, Li Wei and Liang Zhiwu. 1992. "Current Status, Regional Differentials and Dynamic Trends of Family Structure in China." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), Vol. 2, 1992.
- 20) Zeng, Yi*. 1992. "The Methods and Application of Estimating Age at First Marriage and the Birth Intervals Using Census Data." *Population and Economic* (Renkou yu Jingji), Vol. 3, 1992.
- 21) Zeng, Yi*. 1993. "The Current Status and Trends of Changes of Marriage and Families in Eastern China: Analysis based on the 3rd and 4th Census Data." *Population* (Renkou), No. 1, 1993.
- 22) Zeng, Yi*, Gu Baochang, Tu Ping, Xu Yi, Li Boha, Li Youngping. 1993. "Causes and Implications of High Sex Ratios." *Population and Economics* (Renkou yu Jingji), No. 1, 1993.
- 23) Zeng, Yi*, Cai Wenmei and Song Jinan. 1993. "The Need and Feasibility of Promoting Late Marriage and Late Birth -- Lessons From the Chang Ping Survey." *Population and Family Planning* (Renkou yu Jihuashengyu), No. 2, 1993.

- 24) Zeng, Yi*, T. Paul Schultz, and Wang Deming. 1993. "Divorce Analysis in Shanghai, Shanxi, and Hebei." *Population Research* (Renkou Yanjiu), No. 5, 1993.
- 25) Zeng, Yi*. 1993. "Necessity and Feasibility of Establishing the Old Age Insurance System in Rural China." *Population and Family Planning* (Renkou yu Jihuashengyu) , No. 6, 1993, pp. 43-47.
- 26) Zeng, Yi*. 1994. "Applied Demography and Market Economy." *Population and Economics* (Renkou yu Jingji), No. 2, 1994.
- 27) Zeng, Yi*. 1994. "Reforming the Old Age Insurance System: A Case Study in Hainan." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), 1994, No. 2, pp. 1-5.
- 28) Zeng, Yi*. 1995. "Managing Socio-Economics and Serving People: Applied Demographic Studies." *Market and Demographic Analysis* (Shichang Yu Renkou Fenxi), Vol. 1, No. 1.
- 29) Zeng, Yi*. 1995. "Has China's Fertility in 1991 and 1992 Fallen Below the Replacement Level?" *Population Research* (Renkou Yanjiu), Vol. 19, No. 3, pp. 7-14.
- 30) Zeng, Yi* and Wang Deming. 1995. "A Study on Female Remarriage in Shanghai Municipality, Shanxi and Hebei Provinces." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), No. 5 issue of 1995, pp. 11-16.
- 31) Zeng, Yi* and Wu Deqing. 1995. "Trends of Changes in Divorce Rate and Its Age Distribution in the 1980s in China." *Journal of Chinese Social Sciences* (Zhongguo Shehui Kexue), No. 6 issue of 1995, pp. 71-82.
- 32) Zeng, Yi*. 1995. "Population Control and Financial Policies." *Financial Research* (Caizheng Yanjiu), No. 11, 1995.
- 33) Zeng, Yi*. 1997. "It is not Appropriate to Officially State that Rural Elderly Should Mainly Rely on Family." *Population Research* (Renkou Yanjiu), No. 6, 1997.
- 34) Zeng, Yi* and T. Paul Schultz. 1998. "Impacts of Rural Household Responsibility System Reform on Fertility in China." *Journal of Chinese Social Sciences* (Zhongguo Shehui Kexue), No. 1, 1998.
- 35) Zeng, Yi*, James W. Vaupel and Wang Zhenglian. 1998. "Development and Application of a Multi-dimensional Model for Family Households and Population Projection." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), No. 5, 1998, pp. 1-17.
- 36) Zeng, Yi*. 1998. "Information and Considerations of New Trends in International Population Studies." *Population Research* (Renkou Yanjiu), Vol. 22, No. 6, pp. 11-13.
- 37) Ren, Qiang*, Zeng, Yi. 2001. "Face the challenge of ageing world." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), No. 6, 2001.
- 38) Gu Dannan*, Yi Zeng, and Liu Yuzhi. 2001. "A Review on Methods in Calculating the Healthy Life Expectancy." *Market & Population Analysis* (Shichang yu Renkoufenxi), No.4.
- 39) Ren, Qiang*, GR DeLong Yi Zeng and Xiaoying Zheng. 2001. "The Effect of Iodine Supplementation to the Environment on Socio-economy and Population in Xinjiang: Structural Equation Model." *Chinese Journal of Preventive Medicine* (Zhonghua Yufang Yixue Zazhi) Vol.35 (Supl.): 67-74.
- 40) Gu Danan*, Yi Zeng. 2001. "The Analysis of the Grades of Membership of the Oldest Old in China. Special Issue of *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), 2001.

- 41) Zeng, Yi*, Xiao Zhenyu, Zhang Chunyuan, Liu Yuzhi, and James W. Vaupel. 2001. "Healthy Longevity Survey (1998) and Active Life Expectancy of the Oldest Old in China." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), No. 3, 2001.
- 42) Zeng, Yi*. 2001. "Main Features of Population Aging and Policy Considerations in China." *Population and Economics* (Renkou yu Jingji) No. 5, 2001.
- 43) Zeng, Yi*. 2001. "Integrating Old Age Insurance and Family Planning Quality Services/ Synthetical Reform in Rural China." *Population Research* (Renkou Yanjiu), No. 6, 2001.
- 44) Gu Danan* and Yi Zeng. 2002. "Healthy Life Expectancy of the Oldest Old in China Based on Grade of Membership." *Population & Economics* (Renkou yu Jingji), No.2
- 45) Zeng, Yi* and Gu Danan. 2001. "Review on the latest international studies about quality of life of the Elderly." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), No.5, 2002.
- 46) Zeng, Yi*. 2002. "Theoretical base, necessity and feasibility of an integrated program of rural family planning and old age security." *Population and Family Planning* (Renkou yu Jihuashengyu). No. 5, 2002.
- 47) Zeng, Yi*. 2002. "Integration of family planning and old age security in rural China needs to go ahead." *Population and Family Planning* (Renkou yu Jihuashengyu). No. 5, 2002.
- 48) Zeng, Yi*. 2004. "New Progress and Perspectives of the Chinese Longitudinal Healthy Longevity Survey." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), special issue. 2004.
- 49) Zeng, Yi*, Liu Yuzhi, Zhang Chunyuan, Xiao Zhenyu. 2004. "Socioeconomic and Health Status of the Oldest-Old in China." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), specila issue, 2004.
- 50) Gu, Danan* and Zeng, Yi. 2004. "Disability Dynamics and Socioeconomic Characteristics among Chinese Oldest-Old." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), specila issue, 2004.
- 51) Zeng, Yi*. 2004. "Comments, Test, and Sensitivity Analysis on the Bongaarts-Feeney Method." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue). No. 1, 2004.
- 52) Gu, Danan* and Yi Zeng. 2004. "Socio-Demographic Effects on ADL Dynamics among Chinese Oldest-old." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), Special issue, Pp. 14-21.
- 53) Zeng, Yi* and James W. Vaupel. 2004. "Late Childbearing and Healthy Longevity." *Population Research* (Renkou Yanjiu), No. 2, 2004.
- 54) Zeng, Yi* and James W. Vaupel. 2004. "Mortality at Oldest Old Ages in China and a Comparison to Sweden and Japan." *Population and Economics* (Renkou yu Jingji), No. 3, 2004.
- 55) Zeng, Yi* and Zhenglian Wang. 2004. "Dynamic of Family and Living Arrangement of the Elderly in China: Lessons Learned from the 2000 Census." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue). No. 5, 2004.
- 56) Zeng, Yi*. 2005. "Population Aging, Pension Deficits and Old Age Insurance Program in China". *Economic Quarterly* (Jingjixue Jikan). No. 3, 2005, Pp. 1043-1066.
- 57) Zeng, Yi*. 2005. "Smooth Transition to the Two-Child Policy Using Late-Childbearing as A Lever." *Population and Economic* (Renkou yu Jingji). No. 2, 2005.

- 58) Zeng, Yi*. 2006. "State managed old age insurance system and population security." *China Social Security* (Zhongguo Shehui Baozhang) . 2006, No. 8: 22-23.
- 59) Zeng, Yi*. 2006. A Soft-landing with the two-child-late-birth policy: need and feasibility. *Social Sciences of China* (Zhongguo Shehui Kexue), Issue 58, 2006, No. 2: 93-109.
- 60) Gu, Danan* and Yi Zeng. 2006. "Changes of Disability in Activities of Daily Living among the Chinese Elderly from 1992 to 2002." *Population & Economics* (Renkou yu Jingji). 2006 No. 4: 9-13.
- 61) Zeng, Yi*, Danan Gu, and Ken Land, 2007. "Extension of the Method for Estimating the Health Life Expectancy and Application to the Chinese Oldest-Old." *Chinese Journal of Population Science* (Zhongguo Renkou Kexue), No. 6, 2007.
- 62) Gu, Danan; Liu, Yuzhi; Zhang, Yingxin; Ren, Hong; and Zeng, Yi. 2007. "Analysis of number of days needing full-time care before dying among the Chinese elderly." *Population and Economics* (Renkou yu Jingji), No.6. pp. 51-58 (in Chinese)
- 63) Gu, Danan*; Zeng, Yi; Liu, Yuzhi; and Zeng, Xianxin. 2007. "Frailty Index and Its Association with Suffering Death." *Population Research* (Renkou Yanjiu), 5, 35-41.
- 64) Zeng, Yi*, 2009. "Past, Present and Future of Demography." *Population Research* (Renkou Yanjiu), 2009, No. 5 (this article was selected and fully transshipped as an important academic review by *Xinhua Digest*, 2009 (24); *Xinhua Digest* is the most prestigious Digest in China).
- 65) Jiang, Cheng, Danan Gu, Yuzhi Liu, Yi Zeng, 2009*. "Care costs analysis of the Chinese elderly – a multistate life table method." *Population Research* (Renkou Yanjiu), 2009, No. 3.
- 66) Zeng, Yi*. 2009. "Soft-landing of the two-child plus spacing policy is helpful to resolve the problems of high sex ratio at birth in China." *Journal of Social Science* (Shehui Kexue), No. 8, 2009, Pp. 54-59.
- 67) Zeng, Yi*. 2009. "Chinese fertility policy urgently needs soft-landing transition." *Social Science Weekly*, issues of Jan. 15 and Jan. 22, 2009 (continuously published in two issues).
- 68) Zeng, Yi and Wang Zhenglian. 2010. "Projection and strategy analysis on the aging of households in the Eastern, Middle and Western regions of China in the 21th century", *Population and Economics* (Renkou yu Jingji), 2010 (2). (In Chinese).
- 69) Shi, Xiaoming and Yi Zeng. 2010. "Strengthening the healthy aging research to face the challenge of population aging", *Chinese Journal of Preventive Medicine* (Zhonghua Yufang Yixue Zazhi), 2010, 44 (2) (In Chinese)
- 70) Shi, Xiaoming*, Zhaoxue Yin, Hanzhu Qian, Yi Zhai, Yuzhi Liu, Jianwei Xu, Yi Zeng*. 2010. "An analysis on chronic diseases and the relevant health indicators of centenarians in the longevity areas in China", *Chinese Journal of Preventive Medicine* (Zhonghua Yufang Yixue Zazhi), 2010, 44 (2). P.101-107. (In Chinese).
- 71) Yin, Zhaoxue, Xiaoming Shi*, Jianwei Xu, Yi Zhai, Yuzhi Liu, Yi Zeng*. 2010. "The levels of superoxide dismutase and malondialdehyde in the serum of long-life people aged 90+ in longevity areas in China: status and determinants", *Chinese Journal of Preventive Medicine* (Zhonghua Yufang Yixue Zazhi), 2010, 44 (2), P.123-127. (In Chinese).
- 72) Xu, Jianwei, Xiaoming Shi*, Zhaoxue Yin, Yuzhi Liu, Yi Zhai, Yi Zeng*. 2010. "A analysis of the plasma trace element levels of long-life people aged 90+ in longevity areas in China", *Chinese Journal of Preventive Medicine* (Zhonghua Yufang Yixue Zazhi), 2010, 44 (2), p.119-122. (In Chinese).
- 73) Zhai, Yi, Zhaoxue Yin, Jianwei Xu, Yi Zeng*, Yuzhi Liu, Xiaoming Shi*. 2010 "The anemia of the oldest-old aged 80+ in longevity areas in China: status and determinants", *Chinese Journal of Preventive Medicine* (Zhonghua Yufang Yixue Zazhi), 2010, 44 (2), p115-118. (In Chinese).
- 74) Zeng, Yi* and Ke Shen. 2010. "A analysis on the multi-dimensional health indicators of the

- elderly in China”, *Chinese Journal of Preventive Medicine (Zhonghua Yufang Yixue Zazhi)*, 2010, 44 (2) (In Chinese).
- 75) Xu, Jian-wei, Zhai Yi, Yin Zhao-xue, Shi Xiao-ming*, Liu Yu-zhi and Zeng Yi*. 2010. “Analysis of the prevalence and affecting factors of hyperuricemia in middle and old aged people in longevity areas of China.” *Chinese Journal of Rheumatology (Zhonghua Fengshibing Zazhi)*. 2011, 15(3):155-158.
 - 76) Xu, Jian-Wei, Shi Xiao-Ming*, Chen Liang, Chui Yi, Yin Zhaoxue, Liu Yuzhi, Zeng Yi*. 2011. “Epidemiological study of chronic kidney disease of centenarians in longevity area in China”, *Chinese Journal of Gerontology (Zhongguo Laonianxue Zazhi)*, 2011, 7(31): 2530-2533.
 - 77) Xu, Jian-wei, Yin Zhao-xue, Shi Xiao-ming1*, Zhai Yi, Liu Yu-zhi, Zeng Yi*. 2011. “Association between serum uric acid and triglyceride in middle age and elderly population”, *Journal of Shanxi Medical University (Shanxiyikedaxue Xuebao)*, 2011(07), 42(7): 562-565.
 - 78) Zhai, Yi, Shi Xiao-ming*, Qian Han-zhu, Simon Michael Fitzgerald, Zeng Yi, Yin Zhao-xue, Xu Jian-wei and Liu Yu-zhi. 2011. “Association of anemia with cognition among senior female in China.” *Chinese Journal of Preventive Medicine (Zhonghua Yufang Yixue Zazhi)*, 2011, 45(9):802-805.
 - 79) Xu Jian-wei, Chen Liang, Shi Xiao-ming*, Yin Zhao-xue, Zhai Yi, Liu Yu-zhi and Zeng Yi. 2011. “Association study of risk factors for cardiovascular disease with chronic kidney disease in longevity areas.” *Chinese Journal of Disease Control & Prevention (Zhonghua Jibing Kongzhi Zazhi)*, 2011, 15(12):1011-1013.
 - 80) Zeng, Yi*. 2011. “A review on international trends in interdisciplinary research of factors affecting healthy aging”, *Chinese Science Bulletin (Kexue Tongbao)*, 2011, 56(35): 2929-2940.
 - 81) Xu, Jian-wei, Shi Xiao-ming, Zhai Yi, Yin Zhao-xue, Liu Yu-zhi and Zeng Yi. “Association between serum uric acid and early kidney damage in middle-aged and elderly in longevity areas.” *Modern Preventive Medicine (Xiandai Yufang Yixue)*, 2012, 39(18):4643-4645.
 - 82) Yin, Zhao-xue, Shi Xiao-ming, Xu Jian-wei, Zhai Yi, Liu Yu-zhi and Zeng Yi. “Study on lifestyle and biomarkers of centenarian in longevity areas in China.” *Chinese Journal of Disease Control & Prevention (Zhonghua Jibing Kongzhi Zazhi)*, 2012, 16(6):490-494.
 - 83) Yin, Zhao-xue, Shi Xiao-ming, Zeng Yi, Zhai Yi, Xu Jian-wei, and Liu Yu-zhi. “Study of multi-dimension effect factors of activities of daily life in the oldest old.” *Geriatrics & Health Care (Laonian Yixue yu Baojian)*, 2012, 18(2):87-90,93.
 - 84) Yin, Zhao-xue, Shi Xiao-ming, Xu Jian-wei, Zhai Yi, Liu Yu-zhi and Zeng Yi. 2012. “Association between the hypersensitive C-reactive protein and diabetes in the senile elders,” *Chinese Journal of Diabetes (Zhongguo Tangniaobing Zazhi)*, 2012, 20(5):332-335.
 - 85) Zeng, Yi*. 2012. “ Interdisciplinary research on healthy aging: Social, behavioral, environmental, genetic factors and their interactions”, *Chinese Journal of Health Policy (Zhongguo Weisheng Zhengce Yanjiu)*, February 2012, Vol. 5, No.2.
 - 86) Zeng, Yi*. 2012. Universal two-child policy is a win-win option for citizens and the nation. *Social Observation (Shehui GuanCha)*, No. 9, 2012. (Cover page article).
 - 87) Zeng, Yi, Chen Huashuai and Wang Zhenglian. 2012. “Analysis on Trends of Future Home-based Care Needs and Costs for Elderly in China,” *Economic Research*, 2012, No. 10.
 - 88) Zeng, Yi*. 2013. Considering current population policy in China. *Administration Reform (Xingzheng Guanli Gaige)*, 2013, No. 5: 24-31.
 - 89) Chen, Huashuai and Zeng Yi. 2013. Who benefits more from The New Rural Society Endowment Insurance Program in China: Elderly or Their Adult Children? *Economic Research (Jingji Yanjiu)*, 2013, 8:55-67.
 - 90) Zeng, Yi*. 2013. Chinese Longitudinal Healthy Longevity Survey -- to Facilitate Deeper Research and Better Policy for Healthy Aging (I). *Scientific Research on Aging (Laoling*

- kexue Yanjiu*), 1: 65-72.
- 91) Zeng, Yi*. 2013. Chinese Longitudinal Healthy Longevity Survey -- to Facilitate Deeper Research and Better Policy for Healthy Aging (II). *Scientific Research on Aging (Laoling kexue Yanjiu)*, 2:63-71.
 - 92) Zeng, Yi*. 2013. Universal two-child policy and promoting adequate late childbearing. *Finance*, No. 365, 2013/08/19.
 - 93) Zeng, Yi*. 2013. Open two-child policy as soon as possible. *Yinda Banking*. 2013, No. 9: 51-52.
 - 94) Zeng, Yi*. 2013. Optimizing the fertility policy adjustment. *Finance*, No. 370, 2013/10/07.
 - 95) Zeng, Yi*. 2013. Unchanged fertility policy would damage the great programs of Chinese revive. *Shanghai Economics (Shanghai Jingji)*.
 - 96) Zhai, Yi, Xu Jianwei, Shi Xiaoming*, Yin Zhaoxue, Zeng Yi*, Liu Yuzhi, 2013. Association between elevated serum high sensitive C-reactive protein and renal function among longevous people in China, *Chinese Journal of Geriatrics (Zhonghua Laonian Yixue Zazhi)*, 2013, 32(3):296-299.
 - 97) Wang Weijin, Yi Zeng, Lu Jiehua. 2014. Passive Smoking and Its Health Risk among Chinese Elderly: A Life Course Perspective. *Population Research (Renkou Yanjiu)*, 2014, No. 1: 98-112.
 - 98) Zeng, Yi*. 2014. Consideration of continuing improvement of fertility policy. *China's State Reality and Power (Zhongguo Guoqing Guoli)*. 2014, No. 2: 59-61.
 - 99) Zeng, Yi*, Danan Gu, Jama Purser, Helen Hoenig, Nicholas Christakis. 2014. Associations of Environmental Factors with Health and Mortality among Chinese Elderly. *Chinese Journal of Health Policy (Zhongguo Weisheng Zhengce Yanjiu)*, Vol. 7, No. 6: 53-62.
 - 100) Zeng, Yi*, Lingguo Cheng, Rongping Ruan, Huashuai Chen, Jianxin Li, Fengyu Zhang, Wei Tao, Jun Gu, Xiao-Li Tian, 2014. Effects of Interactions between Environmental and Genetic Factors on Health Aging --A Review on the Relevant Prior Research. *Medicine and Philosophy (Yixue yu Zhexue)*, Vol. 35, No. 9A (Total No. 508):1-6 (in Chinese with English abstract).
 - 101) Chen, Huashuai, Li Wen and Yi Zeng. 2014. Who are the Benefitors of the New Rural Society Endowment Insurance Program: Elderly or Their Adult Children? *Tianjin Social Security (Tianjin Shehui Baoxian)*. 2014 (1): 015.
 - 102) Zeng, Yi*, 2015, Implementing the universal two-child policy as soon as possible to realize the balanced development of population and socioeconomics in China", *Chinese Population Yearbook (2014)*, China Academy of Social Sciences (published in Jan. 2015),
 - 103) Zeng, Yi*, 2015. Implementing the universal two-child policy as soon as possible is a win-win policy for both the nation and people. *Population and Economics (Renkou yu Jingji)*, No. 5, 2015.
 - 104) Zeng, Yi*, 2016. "Ignored Hu Huanrong households density line: the impacts of trends of smaller households on energy consumption and sustainable development". *Exploration and Contend (Tansuo yu Zhengming)*. No. 1, 2016.
 - 105) Zeng, Yi*. 2017. Malthus Population Theory will Continue to be Wrong. *Chinese Science Bulletin (Kexue Tongbao)*. 62(21), 2335-2345(2017); <http://engine.scichina.com/doi/10.1360/N972016-00753>.
 - 106) Zeng, Yi*, Qiushi Feng, Therese Hesketh, Kaare Christensen, James W Vaupel (2017): Analysis on the Trends of Disability and Mortality among the Oldest-Old in Chin, *Population Research*, 41(4):22-32 (2017).
 - 107) Zeng, Yi, Hangang Hu (2017), Integrate administrations of health, family planning, and population aging, to promote well-being of billions families, *Population and Economics*

(Renkou yu Jingji), 223 (04): 36~42.

- 108) Zeng, Yi (2018). Encouraging Couples to Have Two Children Would Not Only Benefit the Country and People But Also Helpful for China to Ensure Food Security. *Science & Technology for Development*. Vol. 14, No. 1: 7-16.
- 109) Zeng, Yi (2021), Improving population policy and promoting family patterns of respecting the aged, caring for the young and intergenerational assistance. *Science & Technology Review*, 39(3).

2.3. Articles in Chinese as chapters in peer-reviewed books published in China (excluding chapters of the books totally written by or mostly written by Yi Zeng)

- 1) Zeng, Yi. 1981. "On Some Problems About the Development of the Huanglu Forestry Center and Location of Forest Industry in the Northern Region of Jiangxi Province." *Collection of Selected Articles of the Department of Geography*, East China Normal University, Shanghai.
- 2) Zeng, Yi. 1981. "A Preliminary Probe of the Quantitative Analysis of the Cotton-grain Production Structure of Peng Ze County, Jiangxi Province." *Collection of Selected Articles of the Department of Geography*, East China Normal University, Shanghai.
- 3) Zeng, Yi. 1984. "Raising the Education Level and Population Control in Rural Areas in China." *Articles on Population Research (Renkou Yanjiu Lunwenji)*. Vol. 3. East China Normal University Press, 1984.
- 4) Zeng, Yi and J. Vaupel. 1987. "Urbanization and Population Growth." In *Proceedings of International Conference on Urbanization*, Tianjing, Published by Nankai University.
- 5) Zeng, Yi and J. Vaupel. 1992. "Analysis on Some Contradictory Issues in the Process of Future Population Development." Pp. 18-42 in *Research on Population and Development in Modern China*, edited by Yu Jinyuan. Beijing: Chinese Social Press.
- 6) Zeng, Yi. 1993. "Population and Sustainable Development." In: Chinese version of proceedings of International Workshop on China's Agenda 21 Century.
- 7) Zeng, Yi. 1994. "Population Programs and Social Sustainable Development." In *Sustainable Development in China*, edited by Ye Wenhua and Chen Jichen. Beijing: Peking University Press.
- 8) Zeng, Yi. 1996. Chapter 2: "Changes in age at first marriage and the interval between first marriage and first birth." Chapter 6: "Estimates and Analysis of rates of leaving the parental home." In *Analysis on Marriage and Family in China, Part Seven of Analysis of the Data of the 1990 National Census in China*, edited by Zha Ruichuan, Yi Zeng, and Guo Zhigang. Beijing: Higher Education Press.
- 9) Zeng, Yi. 1996. Chapter 1: "Model of multi-regional population projection." Chapter 2: "Fertility models and projection of parameter." Chapter 7: "The trend of changes in age structure of Chinese population in the future." Chapter 8: "Policy considerations and discussion." In *Multi-Regional Population Projection, Part Ten of Analysis of the Data of the 1990 National Census in China*, edited by Zha Ruichuan, Yi Zeng, and Guo Zhigang. Beijing: Higher Education Press.
- 10) Zeng, Yi, Xiao Zhenyu, Zhang Chunyuan, Liu Yuzhi, and James W. Vaupel. 2000. "Evaluation on Data Quality of the Healthy Longevity Survey in China." Chapter 4, *Data Collection of the 1998 Healthy Longevity Survey in China*. Peking University Press.
- 11) Zeng, Yi, Xiao Zhenyu, Zhang Chunyuan, Liu Yuzhi, and James W. Vaupel. 2000.

- “Sampling Design of the Healthy Longevity Survey in China.” Chapter 2, Data Collection of 1998 Healthy Longevity Survey in China. Peking University Press.
- 12) Zeng, Yi, Xiao Zhenyu, Zhang Chunyuan, Liu Yuzhi, and James W. Vaupel. 2000. “Significance and Objectives of the Research Project on Determinants of Healthy Longevity in China.” Chapter 1, Data Collection of 1998 Healthy Longevity Survey in China. Peking University Press.
 - 13) Zeng, Yi. 2004. “Introduction to Chinese Longitudinal Healthy Longevity Survey.” In: Zeng, Yi, Liu Yuzhi, Zhang Chunyuan, and Xiao Zhenyu (eds.) 2004. *Analysis on Determinants of Healthy Longevity*. Beijing: Peking University Press.
 - 14) Danan Gu and Yi Zeng. 2004. “Data Quality Assessment of the Chinese Longitudinal Healthy Longevity Survey.” Chapter 1 in: Zeng, Yi, Liu Yuzhi, Zhang Chunyuan, and Xiao Zhenyu (eds.) 2004. *Analysis on Determinants of Healthy Longevity*. Beijing: Peking University Press.
 - 15) Zeng, Yi, James Vaupel, Xiao Zhenyu, Zhang Chunyuan and Liu Yuzhi. 2004. “Rural-Urban and Gender Differential of Active/Disability Life Expectancies among the Oldest-Old in China.” Chapter 7 in: Zeng, Yi, Liu Yuzhi, Zhang Chunyuan, and Xiao Zhenyu (eds.) 2004. *Analysis on Determinants of Healthy Longevity*. Beijing: Peking University Press.
 - 16) Danan Gu and Yi Zeng. 2004. “GoM Analysis of Healthy Longevity.” Chapter 9 in: Zeng Yi, Liu Yuzhi, Zhang Chunyuan, and Xiao Zhenyu (eds.) 2004. *Analysis on Determinants of Healthy Longevity*. Beijing: Peking University Press.
 - 17) Zeng, Yi and James Vaupel. 2004. “Association of Late Childbearing and Healthy Longevity among the Oldest-Old in China.” Chapter 21 in: Zeng, Yi, Liu Yuzhi, Zhang Chunyuan, and Xiao Zhenyu (eds.) 2004. *Analysis on Determinants of Healthy Longevity*. Beijing: Peking University Press.
 - 18) Zeng, Yi and James Vaupel. 2004. “Mortality Model at Oldest-Old Ages in China.” Chapter 22 in: Zeng, Yi, Liu Yuzhi, Zhang Chunyuan, and Xiao Zhenyu (eds.) 2004. *Analysis on Determinants of Healthy Longevity*. Beijing: Peking University Press.
 - 19) Zeng, Yi and Danan Gu. 2004. “International Studies on Elderly Life Quality.” Chapter 26 in: Zeng, Yi, Liu Yuzhi, Zhang Chunyuan, and Xiao Zhenyu (eds.) 2004. *Analysis on Determinants of Healthy Longevity*. Beijing: Peking University Press.
 - 20) Zeng, Yi. 2006. “Soft-landing of two-child and adequate late-childbearing policy: population strategy in 21st century”. A chapter of Part II in: Zeng, Yi, Li Ling, Gu Baochang, and Lin Yifu (eds.). 2006. *21st Century Population and Economic Development in China*. Beijing: Social Sciences Academic Press of China.
 - 21) Zeng, Yi. 2010. “Implement the soft-landing of two-child and adequate late-childbearing policy as soon as possible: from the angle of humanity-based scientifically sound development”. Chapter 13 In: Zeng, Yi, Gu Baochang, and Guo Zhigang (eds.). 2010. *Population and Economic Development in China under the low fertility*. Beijing: Peking University Press.
 - 22) Zeng, Xianxin and Yi Zeng. 2010. “Summary index of elderly healthy”. Chapter 4 in: Zeng, Yi (ed.) 2010. *Research on Elderly Population, Family, Health and Care Needs/Costs*. Beijing: *Sciences Press*, 2010.
 - 23) Jiang, Cheng, Danan Gu, Yuzhi Liu and Yi Zeng, 2010. “Multistate life table analysis of the elderly care costs in China”. Chapter 11 in: Zeng, Yi (ed.) 2010. *Research on Elderly Population, Family, Health and Care Needs/Costs*. Beijing: *Sciences Press*, 2010.

- 24) Zeng, Yi. 2010. "Soft-landing of two-child and adequate late-childbearing policy is useful to resolve the serious problems of gender biases in family structure caused by high sex ratio at births". Chapter 16 in: Zeng, Yi (ed.) 2010. *Research on Elderly Population, Family, Health and Care Needs/Costs*. Beijing: *Sciences Press*, 2010.
- 25) Zeng, Yi, Jiang Leiwen, Wang Zhenlian and Gu Danan: Analysis on the future trends of family households and elderly living arrangement in China. Chapter 12 in Yi Zeng (ed.) 2010. *Research on Elderly Population, Family, Health and Care Needs and Costs*, Sciences Publisher, Beijing.
- 26) Zeng, Yi and Danan Gu, "A Review on International Studies on Life Quality of Elderly", Chapter 2 of the book entitled "Demography", edited by Zai Liang. Chinese People's University Press. 2012.
- 27) Zeng, Yi, "Propose to implement the soft-landing of two-child and adequate late-childbearing policy as soon as possible: lessons learned from analyzing the new data from the 2010 census. Chapter 4 in: Zeng, Yi, Baochang Gu, Jianzhang Liang, Zhigang Guo (eds.) 2013. *Fertility Policy Adjustment and Development in China*. Beijing: Social Science Academic Press (China).
- 28) Zeng, Yi*, Qiushi Feng, Therese Hesketh, Kaare Christensen, James W Vaupel (2018). Trends of Dynamic Changes in Activities of Daily Living, Physical Performance, Cognitive Function and Mortality Rates among the Oldest-old in China. In: Zeng, Yi, Jiehua Lu, Xiaoyan Lei and Xiaoming Shi (eds) 2018. *Healthy Aging in China: Trends and Determinants*; Chapter 4. Beijing: Science Press.
- 29) Zeng, Yi*, Huashuai Chen, Zhenglian Wang (2018). Analysis on Trends of Future Home-based Care Needs and Costs for Elderly in China. In: Zeng, Yi, Jiehua Lu, Xiaoyan Lei and Xiaoming Shi (eds) 2018. *Healthy Aging in China: Trends and Determinants*; Chapter 6. Beijing: Science Press.
- 30) Chen, Huashuai Chen and Yi Zeng (2018). Effects of the New Rural Society Endowment Insurance Program on Intergenerational Transfer. In: Zeng, Yi, Jiehua Lu, Xiaoyan Lei and Xiaoming Shi (eds) 2018. *Healthy Aging in China: Trends and Determinants*; Chapter 14. Beijing: Science Press.
- 31) Zeng Yi* , Danan Gu , Jama Purser , Helen Hoenig , Nicholas Christakis (2018). Associations of Community Environmental Factors with Elderly Health and Mortality in China. In: Zeng, Yi, Jiehua Lu, Xiaoyan Lei and Xiaoming Shi (eds) 2018. *Healthy Aging in China: Trends and Determinants*; Chapter 17. Beijing: Science Press.
- 32) Zeng, Yi*, Lingguo Cheng, Rongping Ruan, Huashuai Chen, Jiehua Lu, Jianxin Li, Fengyu Zhang, Jun Gu, Xiaoli Tian (2018). Effects of Interactions between Environmental and Genetic Factors on Health Aging: A Review on the Relevant Prior Research. In: Zeng, Yi, Jiehua Lu, Xiaoyan Lei and Xiaoming Shi (eds) 2018. *Healthy Aging in China: Trends and Determinants*; Chapter 18. Beijing: Science Press.
- 33) Zeng, Yi* (2018). Implementing the Universal Two-child Policy is Largely Beneficial for Facing the Serious Challenges of Population Aging in China. In: Zeng, Yi, Jiehua Lu, Xiaoyan Lei and Xiaoming Shi (eds) 2018. *Healthy Aging in China: Trends and Determinants*; Chapter 27. Beijing: Science Press.
- 34) Zeng, Yi* and Angang Hu (2018). Integrate Administrations of Health, Family Planning, and Population Aging, to Promote Well-being of Billions Families. In: Zeng, Yi, Jiehua Lu, Xiaoyan Lei and Xiaoming Shi (eds) 2018. *Healthy Aging in China: Trends and Determinants*; Chapter 28. Beijing: Science Press.
- 35) Zeng, Yi (2021). Overview of the Basic Science Research on Determinants and Effective Interventions of Elderly Population Health in China, Chapter 1, in Zeng, Yi (ed.), *Basic Science Research on Determinants and Effective Interventions of Elderly Population Health*

- in China, Science Press, Beijing, 2021, in press.
- 36) She, Ke and Zeng, Yi (2021). Significant Contributions of Resilience to Healthy Longevity in China – Analysis Based on CLHLS Datasets, Chapter 7, in Zeng, Yi (ed.), Basic Science Research on Determinants and Effective Interventions of Elderly Population Health in China, Science Press, Beijing, 2021, in press.
 - 37) Xiong, Wanru, Danan Gu and Yi Zeng (2021). Whole country Single-age-specific Life Tables (ages 0-105) by Sex and Urban/Rural Areas, Chapter 21, in Zeng, Yi (ed.), Basic Science Research on Determinants and Effective Interventions of Elderly Population Health in China, Science Press, Beijing, 2021, in press.
 - 38) Chen, Huashuai and Zeng, Yi (2021). Family Genetics of Healthy Longevity of the Oldest-old based on Survey Data Analyses, Chapter 25, in Zeng, Yi (ed.), Basic Science Research on Determinants and Effective Interventions of Elderly Population Health in China, Science Press, Beijing, 2021, in press.
 - 39) An, Peng, Qindian Mu, Chao Nie and Junxia Min and Yi Zeng (2021). Genome-Wide Association Study (GWAS) of Longevity in Han Chinese, Chapter 26, in Zeng, Yi (ed.), Basic Science Research on Determinants and Effective Interventions of Elderly Population Health in China, Science Press, Beijing, 2021, in press.
 - 40) Xie, Enjun, Biyao Tang, Chao Nie and Junxia Min and Yi Zeng (2021). Sex Differences in Genetic Associations with Longevity based on Sex-specific GWAS Analyses, Chapter 27, in Zeng, Yi (ed.), Basic Science Research on Determinants and Effective Interventions of Elderly Population Health in China, Science Press, Beijing, 2021, in press.
 - 41) Chen, Huashuai, Rongping Ruan, Lingguo Cheng and Yi Zeng (2021). Effects of Interactions between FOXO Genotypes and Tea Drinking on Elderly Health, Chapter 29, in Zeng, Yi (ed.), Basic Science Research on Determinants and Effective Interventions of Elderly Population Health in China, Science Press, Beijing, 2021, in press.
 - 42) Cheng, Lingguo and Yi Zeng (2021). Interactions between Regular Exercise, Social Leisure Activities, Negative Emotion, and ADRB2 Genotypes are Significantly Associated with Health of the Oldest-old, Chapter 30, in Zeng, Yi (ed.), Basic Science Research on Determinants and Effective Interventions of Elderly Population Health in China, Science Press, Beijing, 2021, in press.
 - 43) Zeng, Yi (2021). Conclusions: Prospects of Further Research, Chapter 31, in Zeng, Yi (ed.), Basic Science Research on Determinants and Effective Interventions of Elderly Population Health in China, Science Press, Beijing, 2021, in press.
 - 44) Zeng, Yi (2021). Summary of the Chinese Longitudinal Healthy Longevity Surveys (CLHLS) (1998-2018), Chapter 1, in: Zheng, Zhenzhen, Xiaoming Shi, Xiaoyan Lei and Yi Zeng (eds.), Science Press, Beijing, 2021, in press.
 - 45) Zeng, Yi, Chen Bai and Zhenzhen Zheng (2021). Samples Design, Chapter 3, in: Zheng, Zhenzhen, Xiaoming Shi, Xiaoyan Lei and Yi Zeng (eds.), Science Press, Beijing, 2021, in press.
 - 46) Zeng, Yi (2021). Extensions of the Data Collections of Elderly Mental Healthy and Cognitions, Chapter 3, in: Zheng, Zhenzhen, Xiaoming Shi, Xiaoyan Lei and Yi Zeng (eds.), Science Press, Beijing, 2021, in press.

2.4. Policy research reports

- 1) Zeng, Yi (1999), The characteristics of Chinese population ageing and relative policies. Submitted to National Population and Family Planning Commission of P.R. China.
- 2) Zeng, Yi (1999), The marriage and family structure of the elderly and relevant policy suggestions. Submitted to National Population and Family Planning Commission of P.R. China.
- 3) Zeng, Yi (2000), The integrated project of rural family planning high quality services and

- old age insurance program—The historic opportunity faced by family planning system. Submitted to National Population and Family Planning Commission of China.
- 4) Zeng, Yi (2003), The new prediction methods of household and its application. China Center for Economic Research (CCER) Bulletin, No.10, 2003.
 - 5) Zeng, Yi and Hangang Hu (2003), *Suggestions about attentions and studies on rapidly increasing dis-advantaged social group of oldest-old, 2003. This policy report received written notice by Vice Premier Hui Liangyu on Sept. 11, 2003. Mainly based on this policy report, the China National Aging Committee issued No. 48 (2003) official note; since then, oldest-old people received much more attentions nationwide.*
 - 6) Zeng, Yi (2003), Li Ling, Yi Gang, Health care reform and old-age security system. China's Economic Outlook Forum, 2003.
 - 7) Zeng, Yi (2004), It is not appropriate to cancel the child-bearing interval policy, but should make smooth transition to the two-child plus interval policy. China Center for Economic Research (CCER) Bulletin, No. 24, 2004.
 - 8) Zeng, Yi (2004), Lu Xueyi, Huang Jikun, P. Shultz. Rural, urbanization and population problems. China Center for Economic Research (CCER) Bulletin, No. 44, 2004.
 - 9) Zeng, Yi (2004), et al. Population windows and its impacts: international experience and China's reality. China Center for Economic Research (CCER) Bulletin, No. 16, 2004.
 - 10) Zeng, Yi, M. Feldstein, R. Moffitt, Zhao Yaohui (2004), Social security and labor mobility. The sixth NBER-CCER annual meeting, 2004.
 - 11) Zeng, Yi (2005), Pension deficits and the rural old age insurance program managed by the government. China Center for Economic Research (CCER) Bulletin, No. 45, 2005.
 - 12) Zeng, Yi (2005), Comprehensive reform of the family planning and rural old-age insurance program—report of the investigation in Jiangsu and Jiangxi. Investigation and Research, published by the general office of National Population and Family Planning Commission of P.R. China, 2005, No. 18.
 - 13) Zeng, Yi (2005), *Necessity and feasibility of the universal two-child policy (with adequate late childbearing). China Center for Economic Research (CCER) Bulletin, No. 1, 2006. The earlier version of this policy report was submitted to and noted in written by former Premier Wen Jiabao on 28 Sept. 2005 and former vice secretary general of State Council Hua Jianmin on 29 Sept. 2005. Premier Wen Jiabao transferred Zeng's this policy report to the Minister of State Commission of Family Planning (SCFM) and SCFM invited Zeng to present a lecture on the contents of this policy report to more than 35 high rank officers at SCFM office building.*
 - 14) Zeng, Yi (2006), The opportunity for adjustment of the fertility policy to solve the high sex ratio problem. China Center for Economic Research (CCER) Bulletin, No. 52, 2006.
 - 15) Zeng, Yi (2006), Population ageing, the soft-landing of the two-child policy and the economic and social development. China Center for Economic Research (CCER) Bulletin, No.6, 2006.
 - 16) Zeng, Yi (2006), Necessity and feasibility to implement the soft-landing of two-child and late childbearing policy. China Center for Economic Research (CCER) Bulletin, No.1, 2006.
 - 17) Zeng, Yi (2006), Considerations and discussions about the policy of only allowing the "only-child couples" to have two children. China Center for Economic Research (CCER) Bulletin, No.2, 2006.
 - 18) Zeng, Yi (2006), Implementing as soon as possible the soft-landing of two-child and late child-bearing policy to solve the problem of high sex ratio. The national status report, Chinese Academy of sciences-Tsinghua University, 2006 (S1).
 - 19) Zeng, Yi (2007), "Policy suggestions on implementing the soft-landing of two-child and late childbearing policy". The national status report, Chinese Academy of sciences-

- Tsinghua University, 2007 (3).
- 20) Zeng, Yi, Hu Angang (2007). "Big population" strategy: The urge of integrating family planning and population aging programs. The national status report, Chinese Academy of sciences-Tsinghua University, 2007 (5).
 - 21) Zeng, Yi (2007), A daughter is better than a son to their parents' old age support in rural China. China Center for Economic Research (CCER) Bulletin, No. 25, 2007.
 - 22) Zeng, Yi (2008), China's population ageing and population pressure on social economic development. CCER, High-level Forum in memory of the reform and open 30th anniversary. China Center for Economic Research (CCER) Bulletin, No. 49, 2008.
 - 23) Zeng, Yi (2008), *Implementing the soft-landing of two-child and late childbearing policy is the most important to carry out people-oriented scientific development strategy. Internal policy advisory report, submitted Sept. 2008 to Li Keqiang, Vice Premier then and National Population and Family Planning Commission of China, and received written notice from Vice Premier Li.*
 - 24) Zeng, Yi (2008), Comparative analysis of five different fertility policies options. Internal policy advisory report, submitted to National Population and Family Planning Commission of P.R. China, July, 2008.
 - 25) Zeng, Yi (2009), The smooth transition of the fertility policy: lessons learned from the successful experience of the two-child plus interval program in the pilot areas. China Center for Economic Research (CCER) Bulletin, No. 34, 2009.
 - 26) Zeng, Yi (2009), Progress and perspectives of interdisciplinary research on determinants of Healthy Longevity in China. China Center for Economic Research (CCER) Bulletin, No. 84, 2009.
 - 27) Zeng, Yi (2010), *The Two-Child & Late Childbearing Policy--an Effective Way to Resolve the Serious Problem of High Sex Ratio at Birth in China. This policy report was selected as the Main Achievement Report No. 70 and submitted to all members of the Politburo of Communist Party of China, Premier, all Vice premiers, State Councilors, members of National people's congress and Chinese People's Political Consultative Conference, by Office of the National Social Science Foundation of China, August 2010.*
 - 28) Zeng, Yi (2011), The current fertility policy and only allowing the "only-child couples" to have two children seriously and negatively affect the efforts for bringing down the sex ratio and governmental officers' corruption. This policy report was submitted to top leaders of the Party, State Council, and National Population and Family Planning Commission of P.R. China, Aug. 2011.
 - 29) Zeng, Yi (2012), *Adjusting the current fertility policy as soon as possible to implement the soft-landing of universal two-child with adequate spacing. China Center for Economic Research (CCER) Bulletin, No.23, 2012. This policy report was submitted to Vice Premier Li Keqiang then and National Population and Family Planning Commission of P.R. China and received written notice from Vice Premier Li.*
 - 30) Zeng, Yi (2012), China's new situation of ageing. *Internal References of Reforms: High Level Reports (For Policymakers)*, <http://www.nsd.edu.cn/cn/article.asp?articleid=16444>.
 - 31) Zeng, Yi (2012), Adjust the current fertility policy as soon as possible, and realize the goal of the soft-landing of two-child and late childbearing. China Center for Economic Research (CCER) Bulletin, No. 23, 2012.
 - 32) Zeng, Yi (2013), More than twenty well-known scholars wrote a book on "Fertility policy adjustment and development in China". China Center for Economic Research (CCER) Bulletin, No.25, 2013.
 - 33) Zeng, Yi (2013), Delaying fertility policy reform is not good for developing educational and institutional dividends, China Center for Economic Research (CCER) Bulletin, No.24, 2013.

- 34) Zeng, Yi (2013), *Suggestion for implementing the universal two-child with adequate spacing policy. This policy report was selected/included as the main report of China National Development and Reforms Commission sponsored "Internal Reference for Reforms • High-level Reports" (Feb. 2013, No. 4), for the officers of Chinese central, provincial and local governments to read as internal reference materials of socioeconomic and policy reforms.*
- 35) Zeng, Yi (2013), *Universal two-child policy and late child-bearing promotion is better than only allowing the "only-child couples" to have a second birth. China Center for Economic Research (CCER) Bulletin, No. 28, 2013.*
- 36) Zeng, Yi (2013), *Universal two-child policy is much better than only allowing the "only-child couples" to have a second birth. China Center for Economic Research (CCER) Bulletin, No.28, 2013. – This policy report was submitted to President Xi Jinping by the end of Oct. 2013. On Dec. 8, 2013, the office of President Xi Jinping called Yi Zeng's office at Peking University saying that President Xi Jinping has transferred Yi Zeng's universal two-child policy report to National Commission for Health and Family Planning for the leaders to read/study.*
- 37) Zeng, Yi (2013), *Providing supports to scientific and policy research for healthy aging in China: Chinese Longitudinal Healthy Longevity Survey. China Center for Economic Research (CCER) Bulletin, No.59, 2013.*
- 38) Zeng, Yi (2015), *Implementing the universal two-child policy (with soft-landing) to enhance balanced socioeconomic development. This policy report was submitted to Premier Li Keqiang Jan. 28, 2015, and Premier Li Keqiang wrote a note on this policy report and transferred it to the Vice Premier and the Minister in charge of family planning for them to read/study. This policy report was also submitted to Social Development Division of National Commission of Reforms and Development of China, and received high attentions and positive feedbacks.*
- 39) Zeng, Yi (2015) *Suggestion of implementing the universal two-child policy (with soft-landing) as soon as possible. This policy report was included as the main report of China National Development and Reforms Commission sponsored "Internal Reference for Reforms • High-level Reports" (April 2015, No. 8), for the officers of Chinese central, provincial and local governments to read as internal reference materials of socioeconomic and policy reforms.*
- 40) Zeng, Yi (2015), *Healthy aging: enhancing elderly services industry and sound tradition of family supports for older adults. China Center for Economic Research (CCER) Bulletin, No. 6, 2015.*
- 41) Zeng, Yi (2015), *Implementing the universal two-child policy in rural and urban areas as soon as possible is beneficial for both the nation and people. China Center for Economic Research (CCER) Bulletin, No. 32, 2015.*
- 42) Zeng, Yi (2015) *Try to enable older adults living healthier is the basic strategy to face the serious challenges of population aging. China Center for Economic Research (CCER) Bulletin, No. 45, 2015.*
- 43) Zeng, Yi (2016) *Efficiently deal with the challenges of effects of households changes on energy consumption and sustainable development. China Center for Economic Research (CCER) Bulletin, No. 1, 2016.*
- 44) Zeng, Yi (2016). *Enhance the administrative management works of health, family planning and population aging in pursuit of welfare of all families China Center for Economic Research (CCER) Bulletin, No. 47, 2016.*
- 45) Zeng, Yi (2017). *Encouraging Couples to Have Two Children Benefits both the Country and People. This policy report was submitted to Premier Li Keqiang in March, 2017, and Premier Li Keqiang wrote a note on this policy report and transferred it to the Minister in*

- charge of family planning for them to read/study.
- 46) Zeng, Yi, Lan Li and Zhenglian Wang (2017) . Home-based energy consumption analyses/projections and policy recommendations for Hebei province. Policy research report submitted to Hebei Provincial government in Nov. 2017, which is also part of the final Report of the Asian Development Bank Technical Consultation project on “Coordinated Development of Beijing, Tianjin and Hebei (2016-2017)” to which Yi Zeng is Co-Principal Investigator.
 - 47) Zeng, Yi, Lan Li and Zhenglian Wang (2017) . The Rapid population and households aging and policy recommendations in Hebei province in the framework of coordinated development of Beijing, Tianjin and Hebei. Policy research report submitted to Hebei Provincial government in Nov. 2017, which is also part of the final Report of the Asian Development Bank Technical Consultation project on “Coordinated Development of Beijing, Tianjin and Hebei (2016-2017)” to which Yi Zeng is Co-Principal Investigator.
 - 48) Zeng, Yi (2018). Eliminating all fertility limitation policies and Encouraging Couples to Have Two Children, to Strengthen the Country’s Development and People’s Welfare. This policy report was submitted to Premier Li Keqiang in June, 2018, and Premier Li Keqiang wrote a note on this policy report and transferred it to the Minister in charge of family planning for them to read/study; Published in *Internal Reference for Reform: High Level Reports*. National Commission of Development and Reform, September 11, 2018 and in *Social Sciences Weekly*, November 8, 2018.
 - 49) Zeng, Yi (2019). Recommendations on the unrestricted policy of fertility and encouraging the second birth: field observations in rural & poor areas and empirical analyses. This policy report was submitted to Premier Li Keqiang and Vice-Premier Sun Chunlan on September 18, via. Peng Peiyun, the former Vice-Chairman of the Standing Committee of National People's Congress. Premier Li and Vice-Premier Sun instructed and forwarded it to the leaders of National Health and Population Commission for their reading and investigations.
 - 50) Zeng, Yi (2020). Recommendations on further adjusting the population policy and promoting family patterns of respecting the aged, caring for the young and intergenerational assistance: this is also the medium- and long-term strategies of responses to the disasters such as the outbreak of COVID-19. This policy report was forwarded to President Xi Jinping and Premier Li Keqiang by Peng Peiyun, the former Vice-Chairman of the Standing Committee of the National People's Congress. Gu Shengzu, the Vice Chairperson of the National Committee of the Chinese People's Political Consultative Conference forwarded this report to the leading group of the 14th Five-Year Plan of the National Development and Reform Commission for reading and reference.
 - 51) Zeng, Yi (2020). Recommendations on further adjusting the population policy and promoting family patterns of respecting the aged, caring for the young and intergenerational assistance: *China Study*, Special Issue No. 19 (Total No. 286), published on December 1, 2020; National Conditions Research Institute of Tsinghua University.

2.5. Working papers

- 1) Zeng, Yi (2004). Use the late childbearing as a lever and realize smooth transition to two-child policy. China Center for Economic Research (CCER) Working paper (No. C2004010).
- 2) Zeng, Yi and Zhenglian Wang (2004). Changes in family structure and elderly living arrangement in China: lessons learned from the 2010 census. China Center for Economic Research (CCER) Working Paper (No. C2004011)

- 3) Zeng, Yi (2005). A Soft-landing with the two-child-late-birth policy: necessity and feasibility. China Center for Economic Research (CCER) Working Paper (No. C2005010)
- 4) Zeng, Yi (2006), The time and scheme of China's fertility policy's adjustment. China Center for Economic Research (CCER) Working Paper (No. C2006016).
- 5) Zeng, Yi (2009), Implementing the soft-landing two-child and late childbearing policy to carry out people-oriented scientific development strategy. China Center for Economic Research (CCER) Working Paper (No. C2009001).
- 6) Zeng, Yi, Wang Zhenglian and Chen Huashuai (2011), Analysis on Trends of Future Home-based Care Needs and Costs for Elderly in China. China Center for Economic Research (CCER) Working Paper (No. C2011012).
- 7) Zeng, Yi (2012), Suggestions about implementing as soon as possible the new policy of universally allowing two-child with adequate late childbearing – new lessons learned from data analysis of the 2010 population census. China Center for Economic Research (CCER) Working Paper (No. C2012004).
- 8) Zeng, Yi (2015), Implementing the universal two-child policy as soon as possible is a win-win policy for both the nation and people. China Center for Economic Research (CCER) Working Paper (No. C2015002).
- 9) Zeng, Yi (2016), The impacts of trends of smaller households on energy consumption and sustainable development: Premier Li's question and Hu Huanrong households density line. China Center for Economic Research (CCER) Working Paper (No. C2016001).
- 10) Zeng, Yi (2016), Enhance the administrative management works of health, family planning and population aging in pursuit of welfare of all families. China Center for Economic Research (CCER) Working Paper (No. C2016005).
- 11) Gu, Danan, Qiushi Feng, Zhenglian Wang, and Yi Zeng (2015). Recommendation to consider the crucial impacts of changes in smaller household size and its structure on sustainable development goals. UNITED NATIONS SUSTAINABLE DEVELOPMENT Knowledge Platform, *Scientific briefs*, 2015 (online), <https://sustainabledevelopment.un.org/topics/science/crowdsourcedbriefs>.
- 12) Zeng, Yi (2018). Eliminating all fertility limitation policies and Encouraging Couples to Have Two Children, to Strengthen the Country's Development and People's Welfare. China Center for Economic Research (CCER) Working Paper (No. C2018008).

2.6. Articles published in Newspapers and popular journals

- 1) Zeng, Yi, Market economy calls for applied demography. *China Population Daily*, 1993.10.18.
- 2) Zeng, Yi, Energetically develop social security system for elderly. *China Population Daily*, 1993.11.17.
- 3) Zeng, Yi, A daughter is better than a son to their parents' old age support. *Farmer's Daily*, 2007.08.01
- 4) Zeng, Yi, The smooth transition of China's fertility policy from a global perspective. *Economic Information Daily*, 2009.06.17.
- 5) Zeng, Yi, Chinese fertility policy urgently needs soft-landing transition. *Social Science Weekly*, 2009,01,15 and 2009.1.22 (continued).
- 6) Zeng, Yi, It is now the right time of smooth transition to a two-child policy—inspiration from the experiences of the two-child plus spacing policy pilot areas and coastal five provinces. *China Economic Times*, 2009.05.20.
- 7) Zeng, Yi, The two-child plus spacing policy won great success. *China Economic Herald*, 2009.05.23.
- 8) Zeng, Yi, Ageing population and elderly support system. *Wenhui Daily*, 2009.05.23.
- 9) Zeng, Yi, "Population strategy" doesn't equal to "one-child tactic". *The Economic Observer*,

2009.06.29.

- 10) Zeng, Yi, China should work hard on “soft-landing of universal two-child and late child bearing” policy. *China Economic Times*, 2010.03.31.
- 11) Zeng, Yi, Planned second birth should be allowed universally across rural and urban areas. *China Economic Times*, 2011.08.24.
- 12) Zeng, Yi, Trying Hard to Promote Universal Two-child Policy Soft-Landing. *Finance*, 2012.09.02.
- 13) Zeng, Yi, China’s aging trend and the construction of social security system for the elderly. *Consumption Daily*, 2012.10.25.
- 14) Zeng, Yi, Universally allowing for bearing two-children and promoting adequate late childbearing. *Finance*, 2013.8.19.
- 15) Zeng, Yi, Universally allowing the second birth and make a prompt decision, *Yinda Finance*, 2013.9.19.
- 16) Zeng, Yi, Optimize fertility policy adjustments, *Finance*, 2013.10.7.
- 17) Zeng, Yi, Healthy aging is a national and vital issue. *Shanghai Securities News*, 2015.12.11.
- 18) Zeng, Yi, Eliminating all fertility limitation policies yo face serious challenges of population aging. *Social Science Weekly*, 2018,11,08.

RESEARCH GRANTS OF EXTERNAL SUPPORT

R1. Research grants awarded by funding agencies in the U.S., Europe, Hong Kong, or Taiwan

R1.1. Active/Current Support

NIA/NIH 3P01AG031719-07S1, Yi Zeng (Project Leader), James W. Vaupel (Program Project Director), 09/30/2009–04/30/2021

“Demography of Sex Differences in Health and Survival”, Yi Zeng is Project Leader of the Competitive Supplement Project of this NIA/NIH P01 program project.

NIA/NIH 2P01AG031719, James W. Vaupel (Program Project Director) 09/30/2009 – 04/30/2021

“Demography of Sex Differences in Health and Survival”; Yi Zeng is a key investigator of Project 2 of this NIA/NIH P01 program project.

R1.2. Previous Support

NIA/NIH 2R01AG023627, Yi Zeng (PI); Sept. 1, 2010 – Aug. 31, 2015.
Demographic Analysis of Healthy Longevity in China.

NIH 3R01AG023627-06A2S1, Yi Zeng (PI); 09/01/2010 – 08/31/2015
Administrative supplement grant awarded by NIH National Human Genome Research Institute (NHGRI) and Office of Behavioral and Social Sciences Research (OBSSR). This supplement grant is associated with ongoing R01 “Demographic Analysis on Determinants of Healthy Longevity in China” (PI: Yi Zeng). This project is to collect additional data of standardized PhenX measures, which have been developed by NIH to strength interdisciplinary studies on gene-environment interactions.

OTH-12-0003 (BJG06), Yi Zeng (PI); 09/01/2012 – 12/31/2015

Hang Kong Guo's Family Foundation

Study on Effects of Interactions between Social/Behavioral and Genetic Factors on Enhancing Healthy Aging.

Demographic Analysis of Healthy Longevity in China; R01 AG023627, Sept. 1, 2004 – Aug. 31, 2010. United States National Institute of Aging (NIA). Principal Investigator: Yi Zeng.

A competitive supplemental grant application associated with the R01 AG23627-01 "Demographic Analysis of Healthy Longevity in China." 02/01/2009-08/31/2010; Principal Investigators: Yi Zeng

Interdisciplinary Study on Healthy Aging. Duke University Provost Common Fund Award. 7/1/2006-6/30/2008, Principal Investigator: Yi Zeng.

Demographic Tool and Database for Households Forecasting. SBIR Phase II 2 R44 AG022734-02A2, U.S. National Institute of Aging, July 1, 2006-June 30, 2008. Principal Investigator: Zhenglian Wang. Research Director: Yi Zeng. Received a priority score of 182 (0.0 percentile) which is the best score among the SBIR applications in the 2006 spring competition.

A Comparative Study of Intergenerational Transfers, Family Relationships and Care for Elderly between Mainland China and Taiwan, sub-sample of adult children of the elderly interviewees, as part of our project on healthy longevity. Taiwan Academia Sinica, Dec. 1, 2004 – Dec. 1, 2007, Principal Investigators: Yi Zeng and Zhan Jie.

An administrative supplement grant from NIA (PI: Yi Zeng) and a special honorable grant from the Chinese Academy of Science for organizing a scientific direction conference (Fragrant Hill Science Conference grant -- PI: Yi Zeng). The conference (held in Beijing Dec. 19-21, 2006) supported by these two grants aimed to facilitate face-to-face intensive discussions on "Research Frontiers of Social, Behavior, Environmental and Genetic Determinants of Healthy Longevity" between demographic, biological and medical researchers from China, U.S.A., Europe, and other countries.

Longitudinal Study on Healthy Longevity in China, sub-sample of comparative group aged 65-79, as part of our project on healthy longevity. Oct. 1, 2004 – Sept. 30, 2006. Hong Kong Research Grants Council. Principal Investigators: Edward Tu and Yi Zeng.

IUGR (Intrauterine Growth Retardation) and Chronic Disease in Later Life in China, the U.S. National Institute on Aging. 12/1/02 – 3/31/06. Principal Investigator: Yi Zeng.

Seed grant for a project on preparing a Duke University - Peking University joint program on healthy aging studies, Trent Foundation. 1/1/05 – 6/30/06. Principal Investigator: Yi Zeng.

Determinants of Healthy Longevity in China, Oct. 1, 1997 - Dec. 31, 2004. United States National Institute of Aging (NIA). Principal Investigator: Yi Zeng. Program Project Director: James W. Vaupel.

NIA administrative supplementary award to expand (from covering ages 80+ to 65+) the funded study on "Determinants of Healthy Longevity in China." Jan. 1, 2002 – Dec. 31, 2004. Principal Investigator: Yi Zeng.

United Nations Fund for Population Activities (UNFPA) award to strengthen the existing study

on determinants of healthy longevity in China (from covering ages 80+ to 65+). Jan. 1, 2001 – Dec. 31, 2004. Principal Investigator: Yi Zeng.

Demographic Effects on Elderly Households and Caregiving Needs (in the United States), the United States National Institute on Aging, July 1, 2001 – June 31, 2003. Principal Investigator: Yi Zeng.

Projecting U.S. Households by Race Using the ProFamy New Method and Demographic Rates As Input, Sept. 10, 2001 – August 9, 2003, the United States Census Bureau, Principal Investigator: Yi Zeng.

Late 20th Century U.S. Fertility Trends and Differentials. July 1, 2001 – Sept. 30, 2005. U.S. National Institute on Child Health and Human Development. Principal Investigator: Philip Morgan. Co-Investigator: Yi Zeng.

Demographic Tool and Database for Households Forecasting, Oct. 1, 2003 – August 31, 2004. NIH SBIR Phase I grant (innovative research to further strengthen the family household projection method ProFamy, invented by Yi Zeng, and to develop it into user-friendly software with an associated database). Principal Investigator: Zhenglian Wang; Research Director: Yi Zeng.

U.S. households and income forecasting in the Northeast, Midwest, South, and West regions of the United States. August 1, 2003 – December 31, 2003. General Motors Phase I project. Principal Investigator: Yi Zeng.

U.S. households, income and automobile consumption forecasting in the Northeast, Midwest, South, and West regions of the United States. Jan. 1, 2004 – June 30, 2005. General Motors Phase II project. Principal Investigator: Yi Zeng.

Improved Demographic Components of Integrated Assessment Models for Energy Consumption (using Yi Zeng's ProFamy new method on household projection to study energy consumption). 10/01/01-04/30/05. The United States Department of Energy. Principal Investigator: Brian C. O'Neill at Brown University. Subcontract to Yi Zeng at Duke University, as a Co-Investigator.

Support for "Conference on Chinese Healthy Aging and Socioeconomic Development: International Perspectives." August 2004, Duke University Vice Provost Offices for International Affairs and Asian Pacific Studies Institute.

How May Demographic Changes Affect the Supply Of Family Care For the Elderly. Oct. 1, 2000 – Sept. 31, 2001. NIA center grant for a pilot study awarded by the Center for Demographic Studies of Duke University. Principal Investigator: Yi Zeng.

Implications of Changing Family Structure and Health Status on Caregiving Needs of the Elderly, Jan. 1, 2000 – Dec. 31, 2000. NIA center grant for a pilot study awarded by the Center for Demographic Studies of Duke University. Principal Investigator: Yi Zeng.

Impacts of the Expanded Iodine Dripping Project on Population Health and Socioeconomic Development in Xinjiang Autonomous Region, Sept. 1, 1998 – Aug. 31, 2001. Principal Investigator: Yi Zeng. This is a subproject of "Expanded Iodine Dripping in Xinjiang," directed by Professor G. Robert DeLong, M.D., Division of Pediatric Neurology, Duke University Medical Center.

Temporary Labor Migration: A Catalyst to Rural Development, August 1, 1997 – July 31, 2001. Competitive Earmarked Research Grant (CERG) awarded by the Research Grants Council (RGC) of Hong Kong. Principal Investigator: John Z. Ma; Co-Investigator: Yi Zeng. Note: CERG of RGC grants cover research costs only in Hong Kong, Taiwan and Mainland China, and travel costs to other countries.

Follow-up study of the centenarians interviewed in the 1990 census of China. 1997-1998. Max Planck Institute for Demographic Research, Germany. Principal Investigator: Yi Zeng.

Population growth and land use. Oct. 1995 - Oct. 1998. MacArthur Foundation through the U.S. National Research Council. Principal Investigator: Yi Zeng.

Analysis on the Chinese centenarians census data. Jan. 1996 - Jan. 1998. Odense University, as a subcontract of the U.S. National Institute of Aging research grant. Principal Investigator: Yi Zeng.

Fertility transition in China: an international and systematic view. Sept. 1995 - Sept. 1997. Netherlands National Institute of Public Health and Environmental Protection. Principal Investigator: Yi Zeng.

Fertility and population policy studies in rural areas of China. July 1988 - July 1992. Rockefeller Foundation. Principal Investigator: Yi Zeng.

Institutional reform and fertility in rural areas of China. July 1990 - July 1993. Yale University, as a subcontract of the Rockefeller Foundation research grant. Principal Investigator: Yi Zeng.

Research agenda and literature review of population aging in China. March 16-June 15, 1994. U.S. National Institute of Aging. Principal Investigator: Yi Zeng.

Data analysis on the Chinese oldest-old mortality. July 1993 - Dec. 1995. Odense University, as a subcontract of the U.S. National Institute of Aging research grant. Principal Investigator: Yi Zeng.

Bibliographical research for understanding social-cultural factors affecting demographic behavior and population policy formation/implementation. July 1994 - July 1995. United Nations Educational Scientific and Cultural Organization (UNESCO). Principal Investigator: Yi Zeng.

Causes and Implications of Increasing Sex Ratio at Birth in China. United Nations Fund for Population Activities. Principal Investigator: Yi Zeng.

Multidimensional Modeling of family household. Jan. 1991 - Jan. 1993. Dutch Foundation for the Promotion of Cultural Exchanges between the Netherlands and China. Principal Investigator: Yi Zeng.

R1.4. Institutional development grants awarded by WHO and UNFPA

In addition to the above-listed research grants awarded to Yi Zeng as an individual scholar, principal investigator, or co-investigator, he also applied for and received institutional development grants while he was director (1993-1998) or deputy director (1987-1992) of the Institute of Population Research at Peking University (IPRPU). For example, in response to proposals written by Yi Zeng as director or deputy director of IPRPU, the World Health Organization (WHO) awarded an exceptional 5-year (1992-1996) plus 2-year extension (1997-1998) Institutional Development Grant to IPRPU, Principal Investigator: Yi Zeng; United Nations Fund for Population Activities (UNFPA) awarded a special grant (1990-1992) to purchase and update the computer system for IPRPU. Principal Investigator: Yi Zeng.

R2. Research grants awarded by funding agencies in Mainland China

R2.1. Current/Active Grants Support

72061137004, Xiaoyan Lei (PI), Yi Zeng (Key Investigator) 05/01/2020-04/30/2023
Families, households and health: Projections and implications.
Jointly supported by National Natural Science Foundation China (NSFC), The Economic and Social Research Council (ESRC) and the Medical Research Council (MRC) of United Kingdom.

2018YFC2000404, Xiaoyan Lei (PI), Yi Zeng (Key Investigator) 01/01/2019 – 12/31/2022
National Key R&D Program of China.
Integrated research on genetic and environmental impacts on healthy longevity: large cohort study. Project 4 of Program project on “Systematic Research of Healthy Longevity in China: multiple and large cohorts studies”.

R2.2. Past Support

71490732, Yi Zeng (PI) 01/01/2015 – 12/31/2019
Natural Science Foundation of China
Healthy Aging: Basic Scientific Research on Factors Affecting Elderly Population Health and Effective Interventions. The goal of this project is to better understand the effects of environmental and genetic factors and their GxE interactions on healthy aging and carefully investigate the scientific basis for more efficient health interventions.

71750002, Yi Zeng (PI) 09/01/2017 – 08/31/2019
Natural Science Foundation of China
Chinese Longitudinal Healthy Longevity Survey 8th wave.

71750002, Yi Zeng (PI) 09/01/2017 – 08/31/2019
China Population Management and Decision-Making Information System
Chinese Longitudinal Healthy Longevity Survey 8th wave.

71110107025, Yi Zeng (PI) 01/01/2012 – 12/31/2016
Natural Science Foundation of China
Research on Trends and Determinants of Healthy Aging in China. One of the major goals of this project is to partially support the part of the 6th wave in 2012 and the 7th wave in 2014-2015 of the Chinese Longitudinal Healthy Longevity Survey. This project also conducts data analysis on trends and determinants of healthy aging in China.

71233001, Yi Zeng (PI) 01/01/2013 – 12/31/2017
Natural Science Foundation of China
Research on How to Improve Safeguard Mechanism and Management Efficiency of Healthy Aging. The major goals of this project is to gain better understanding in effects of interactions between genetic and social/behavioral factors, based on data and DNA samples collected in the Chinese Longitudinal Healthy Longevity Survey.

2013CB530700, Xiaoli Tian (PI) 01/01/2013 – 12/31/2017
The National Basic Research Program of China (973 Program).
Biological Basis of Vessel Aging and Related Disease. Yi Zeng’s sub-project is to partially support research on Identifying the genes related to and may interact with environment to affect healthy aging, using the largest sample of centenarians, nonagenarians and the other age

groups ever collected.

Yi Zeng's Role: Senior Investigator

A sub-project of China's Ministry of Education 211 Program for Key Universities Development awarded to Peking University, Yi Zeng (PI of this sub-project); 09/01/2011 – 12/31/2014

Interdisciplinary research framework on Healthy Aging.

China Ministry of Education, Yi Zeng (PI) 01/01/2010 – 12/31/2012

Population Economic analysis on elderly care costs and caregivers' burdens.

Role: PI.

Application of ProFamy new method/software to forecast the trends and regional differentials in family households and population aging in East, Middle, and Western regions of China. Grant awarded by China National Commission of Reforms and Development through the programs managed by China State Population and Family Planning Commission and National Committee on Aging. July 1, 2009 – Dec. 31, 2011. Principal Investigator: Yi Zeng.

Study on Elderly Population, Family, Health, Care Needs and Costs. Jan. 1, 2006 – Dec. 31, 2009. China Natural Science Foundation National Key Project (70533010). This is perhaps so far the largest single Chinese grant for a demographic and health-related social science research project without doing a sample survey. Principal Investigator: Yi Zeng.

ProFamy: Family Households Forecasting and Information of Decision Making. Jan. 1, 2008- Dec. 31, 2008. Part of China's National Key project on "National Population Administration, Decision-Making and Information System (PADIS)," which is sponsored by National Commission of Development and Reform, and being implemented by China Population and Development Center. PADIS has decided employing ProFamy as one of the three demographic projection/analysis models. The other two are the classic cohort-component population projection and the micro-simulation.

Natural Science Foundation of China "Director's Special Award" to supplement additional data collection on elderly care needs and costs in the Chinese longitudinal survey on healthy longevity in China. Dec. 2004 – Dec, 2006. Principal Investigator: Yi Zeng.

Chinese family household forecasting and population policy analysis. June 16, 2004 -- May 15, 2006. China National Program on Strategic Research of Population and Development under State Council. Principal Investigator: Yi Zeng.

Health status and its determinants among the oldest-old in China. Special key project, China National Social Science Foundation. 5/31/2001 – 6/1/2005. Principal Investigator: Yi Zeng.

Peking University award to strengthen the existing study on determinants of healthy longevity in China (from covering ages 80+ to 65+). Jan. 1, 2002 – Dec. 31, 2004. Principal Investigator: Yi Zeng.

Necessity and Feasibility of a Smooth Transition of the Fertility Policy in China. Sept. 1996-Aug. 1999. awarded by the China National Social Science Foundation. Principal Investigator: Zhang Chunyuan, Co-Investigator: Yi Zeng.

"Four-two-one" family and social insurance for old age care. July 1993 - July 1996, awarded by China State Education Commission. Principal Investigator: Yi Zeng.

Population projections and policy analysis. Jan. 1991 - Jan. 1997, awarded by the China State Family Planning Commission. Principal Investigator: Yi Zeng.

Modeling, application, and software development of family household projection. Jan. 1992 - Jan. 1995, awarded by China National Natural Science Foundation. Principal Investigator: Yi Zeng.

Census data analysis on marriage/family. July 1991 - July 1993, awarded by the China State Statistical Bureau using financial support from the United Nations Fund for Population Activities. Principal Investigator: Yi Zeng.

Multi-regional population projection and household studies. Sept. 1990 - Sept. 1995, awarded by the China State Education Commission using financial support from the United Nations Fund for Population Activities. Principal Investigator: Yi Zeng.

Divorce in the 1980s in China. July 1991 - July 1994, awarded by the China National Social Science Foundation. Principal Investigator: Yi Zeng.

Population and family dynamics in China. Sept. 1988 - Sept. 1993, special research grant for excellent young scientist, awarded by the China State Education Commission. Principal Investigator: Yi Zeng.

QUOTATIONS IN INTERNATIONALLY RECOGNIZED LITERATURE SOURCES

According to the official search report by Duke University Library based on Google Scholar database, up to Sept. 25, 2019, Yi Zeng's articles and books have been cited 12,716 times by other scholars' publications, his h-index is 52 and i10-index is 166. Yi Zeng was included in the Elsevier 2018 honorary list of "Highly Cited Chinese Scholars".

INTERVIEWS AND QUOTATIONS BY PUBLIC MEDIA

Yi Zeng's research achievements have been publicized through interviews and quotations in various major international and national public media, such as the New York Times, Washington Post, Voice of America, Tokyo Broadcasting System, North American based World Daily, Beijing based People's Daily, Guangming Daily, China Daily, China's Population Daily, China's Education Daily, China Central TV, Beijing TV, China Central Radio, Beijing Radio, Taiwan-based China Times, Taiwan TV, and Taiwan Radio.

FELLOWSHIPS

1) Belgium governmental fellowship for Ph.D. study, Sept. 1982-Aug. 1986.

1) Frank W. Notestein Fellowship awarded by the Population Council in the U.S. for post-doctoral research at Princeton University (Sept. 1986-Aug. 1987).

POSITIONS IN PROFESSIONAL ORGANIZATIONS AND ADVISORY COMMITTEES

Current

● Member of International Advisory Board of Centre for Family and Population Research (CFPR), National University of Singapore.

● Senior Advisor of the Population Association of China, appointed by the General Assembly of the Association, June 2002 - Present.

Previous

- Member of the Population Advisory Committee, State Family Planning Commission of China, 1990 – 2014.
- Re-elected as a member of the Council of International Union for Scientific Studies of Population, Jan. 2006-Oct. 2009.
- Member of the Council of International Union for Scientific Studies of Population, Jan. 2002-December 2005.
- Member of the Academic Committee on Aging, Longevity, Disability and Health, International Union for Scientific Studies of Population, 1998 – 2006.
- Member of the Panel on a Research Agenda and New Data for an Aging World, National Research Council and National Academy of Science, United States, 1998 – 2001.
- Member of the Advisory Panel on Exceptional Longevity, National Institute on Aging, United States, Feb. 2000 – 2001.
- Chairman of the Advisory Committee, China National Research Center on Aging, 1997 – 2004.
- Member of the International Advisory Committee of Ministry of Health, China, 1997 – 2003.
- Member of the Census Advisory Group under the Census Office of the State Council, China, 1988-1998.
- Member of the Population Association of America's committee on China study and exchange, 1992-1997.
- Member of the Steering Committees of Social Science Research on Reproductive Health, Human Reproduction Program, World Health Organization, 1989-1995.
- Member of the International Organizing Committee of International Union for Scientific Studies of Population (IUSSP), 1989-1993. One of the academic organizers of the IUSSP 22nd General Conference in Montreal, Canada, 1993.
- Member of the Steering Committee & International Organizing Committee of the International Union for Scientific Studies of Population (IUSSP), 1993-1997. One of the chief academic organizers of the IUSSP 23rd General Conference in Beijing, China, 1997. (Note: In the IUSSP official announcement, written in English and French and sent to all IUSSP members worldwide, it was stated that responding to the invitation presented by Dr. Yi Zeng, the IUSSP Council decided to hold the 23rd General Conference in Beijing in 1997).
- Member of Peking University Board, 1990-1996.
- Member of the Nominating Committee, International Union for Scientific Studies of Population (IUSSP), 1993-1997.
- Member of the evaluation/selection committee for the Carlsberg Professorship at the National Center for Demographic Research, Denmark.
- Member of the Advisory Committee of UNFPA programs in China, 1988-1996.
- Vice President of the Population Association of China, 1993 – June 2002.

SERVED AS CHIEF ACADEMIC ORGANIZER FOR NATIONAL CONFERENCES AND WOR

KSHOPS (since 1998; records for such services before 1998 have not been kept)

- 1) "Workshop on the data analysis of the 1998 baseline survey and dialogues with policy makers," Dec. 31, 1999, in Beijing.
- 2) "National conference on determinants of healthy longevity of the oldest-old in China," March 2-3, 2001 in Beijing. About 105 scholars in the fields of social and biomedical sciences from different parts of the country, including Hong Kong, participated in the workshop.
- 3) "National Conference on Healthy Aging and Socioeconomic Development," May 12-13, 2004, Beijing.
- 4) "Experts meeting on elderly health, family and care needs and costs", sponsored by China Natural Science Foundation, June 18, 2004.
- 5) Forum on "Chinese Population and Economic Development", December 24, 2005. Beijing.
- 6) Fragrance Hill Scientific Conference on "Research Frontiers of Genetic, Social, and Environmental Determinants of Healthy Longevity". Dec. 19-21, 2006, Beijing.
- 7) Meeting on "Progress and Perspective on Interdisciplinary Research on Determinants of Healthy Longevity," Oct. 22, 2007, Beijing.
- 8) Forum on "Population and Economic Development under Low Fertility", December 20, 2008. Beijing.
- 9) Fragrance Hill Scientific Conference on "Interdisciplinary Research on Healthy Aging and Old Age Security", June 29-July 1, 2011, Beijing.
- 10) National Conference on "China's Population and Economic Development in the New Era", June 16, 2012.
- 11) Nationwide experts meeting on "Genes-Environment Interactions and Efficient Interventions for Healthy Aging", participated by 42 outstanding scholars and governmental high-rank officers from 18 universities and institutions all over China, July 12, 2015, Peking University.
- 12) Nationwide experts meeting of "Research on Scientific Basis and Efficient Interventions for Healthy Aging", participated by 83 outstanding scholars and governmental high-rank officers, respectively, from 26 universities and institutions all over China and co-organized by Bureau of Science and Technology Development of China Academy of Sciences and Center for Healthy Aging and Development Studies. Peking University, December 17, 2015, China Academy of Science.

SERVED AS CHIEF ACADEMIC ORGANIZER FOR INTERNATIONAL CONFERENCES AND WORKSHOPS (since 1998; records for such services before 1998 have not been kept)

- 1) "International workshop on family household modeling and applications". July 26-Aug. 2, 1998, Max Planck Institute for Demographic Research (MPIDR), Rostock, Germany.

- 2) A workshop presenting the major results of our 1998/2000 surveys and exchanges with leading researchers of HRS/AHEAD, NLTCS, LSADT and other related international studies, August 2001 at MPIDR in Germany. Thirty scholars (half Chinese and half Americans/Europeans) participated in the workshop.
- 3) "International Symposium (Oct. 22-25, 2001) and training workshop (Oct. 26-27, 2001) on Healthy Aging Studies in China", co-sponsored by Center for Healthy Aging and Family Studies of Peking University and the International Union for Scientific Studies of Population, Beijing; 150 scholars from 11 countries participated in the symposium and 35 scholars participated in the training workshop.
- 4) "Chinese Population and Socioeconomic Studies: Utilizing the 2000/2001 round Census Data," June 19-21, 2002, Hong Kong, Jointly sponsored by Chinese Population and Socioeconomic Studies Center at Duke University (CPSES), Survey Center of University of Science and Technology of Hong Kong, Mainland China Population Association; Taiwan Population Association; Social Statistics Branch of China Statistics Association, and Center for Healthy Aging and Family Studies of Peking University.
- 5) "Demographic Window and Healthy Aging: Socioeconomic Challenges and Opportunities," May 10-11, 2004, Beijing, co-sponsored by IUSSP, Asia MetaCenter and Peking University.
- 6) "International workshop on Determinants of Healthy Longevity in China," at MPIDR, Rostock, August 2-4, 2004.
- 7) Conference on Chinese Healthy Aging and Socioeconomics: International Perspectives, August 20-21, 2004, Duke University.
- 8) Symposium on Chinese Longitudinal Healthy Longevity Studies at the 57th annual scientific meeting of Gerontology Society of America, Washington DC, November 20, 2004.
- 9) International Conference on Healthy Longevity, Sept. 21-23, 2005, Pengshang, Sichuan, China.
- 10) The PKU-Duke Research Workshop on "Interdisciplinary Study on Healthy Aging", May 18-19, 2006, Peking University campus.
- 11) The Duke-PKU Research Workshop on "Interdisciplinary Study on Healthy Aging", April 30-May 3, 2007, Duke University campus.
- 12) Informal meeting of "International Consortium on Healthy Longevity Studies," October 22, 2007, in the occasion of the 8th Asian/Oceania regional congress of gerontology and geriatrics, October 22-25, 2007, Beijing, China.
- 13) Session on "Aging and Healthy Longevity", 8th Asian/Oceania regional congress of gerontology and geriatrics, October 22-25, 2007, Beijing, China.
- 14) International conference on "Frontier and Perspectives of Demographic Research", co-sponsored by China Population and Development Research Center, Center for Healthy Aging and Development Studies of Peking University, Chinese Population Association

and UNESCO-EOLSS, May 19-20, 2010, Beijing.

- 15) International Conference on “Advances in Methodology and Applications: Biodemography and Multistate Event History Analysis on Healthy Aging”, Oct. 15-18, 2012, Beijing and Hangzhou, China.
- 16) International Conference on “Interdisciplinary Research on Long-term Care and Healthy Aging”, April 28-29, 2014, Duke University. In total 66 formally registered participants, including 22 from China, 5 from Canada, Netherlands, Singapore and Japan, 8 from U.S. Institutions located in the other states than NC, and 31 Duke faculty, research associates and post-doc.
- 17) International Conference on “Interdisciplinary Research on Long-term Care and Healthy Aging”, May 22-23, 2015, Zhejiang University. In total 95 formally registered participants, including 29 scholars from abroad.

SERVED AS CHIEF ACADEMIC ORGANIZER FOR TRAINING WORKSHOPS

- (1) The Duke CPSES Training Workshop on Healthy Aging and Socioeconomic Development for 19 Chinese central and provincial governmental high-rank officers, November 6-25, 2004, Duke University; Pre-Training Workshop on Healthy Aging and Socioeconomic Development for Chinese governmental officers, November 4-5, 2004, China Center for Economic Research, Peking University, which is for Chinese participants’ academic preparation for the international training workshop at Duke University.
- (2) The Duke CPSES Training Workshop on Population and Harmonious Society for 21 Chinese central and provincial governmental high-rank officers, August 20-Sept. 9, 2005, Duke University; Pre-Training Workshop on Population and Harmonious Society for these Chinese governmental officers, August 18-19, 2005, China aration for the international training workshop at Duke University.
- (3) The Duke CPSES “Training Workshop on Population and Harmonious Society” for 21 Chinese central and provincial governmental high-rank officers, August 12-Sept. 3, 2006, Duke University; Pre-Training Workshop on Population and Harmonious Society for these Chinese governmental officers, August 10-11, 2006, China Center for Economic Research, Peking University, which is for Chinese participants’ academic preparation for the international training workshop at Duke University.
- (4) Pre-Training Workshop on Population and Harmonious Society for those Chinese governmental high-rank officers, Sept. 3-4, 2007, China Center for Economic Research, Peking University, which is for Chinese participants’ academic preparation for the international training workshop in the U.S..
- (5) Advances in Methodology and Applications: Bio-demography and Multistate Event History Analysis on Healthy Aging October 15-18, 2012, Beijing and Hangzhou in China

SERVICES

Together with Professor Nan Lin, I played a major role in establishing the Chinese

Population and Socioeconomic Studies Center (CPSES) at Duke University. I have actively served as Executive Associate Director of CPSES from its establishment (July 6, 2000) to June 30, 2002, and as Director of CPSES from July 1, 2002 to the present. I have coordinated a campus-wide CPSES seminar series, training workshops and the CPSES international conferences, fund raising, and database and Website development.

Served as a member of Duke University Asian Pacific Studies Institute (APSI) Executive Committee, 9/1/2003-8/31/2005

Served as a member of Duke University Asian Pacific Studies Institute (APSI) Academic Travels Gants Committee, 9/1/2005-Present.

Served as a member Duke University Population Research Institute Board.9/1/2006-2010

Service to the community (Papers refereed, conferences organized, NSF reviews and panels, etc.)

EDITORIAL ACTIVITIES

The Honorary Theme Editor of the “*Demography*” volume of the UNESCO-coordinated *Encyclopedia of Life Support Systems* (EOLSS) (www.eolss.net), which is so far the largest and the most widely cited reference source in the world, by the UNESCO-EOLSS Joint Committee; August 2006 – July 2009.

Deputy Editor, *Demography*, Journal of Population Association of America, July 1, 2007—June 30, 2010.

Member of the Editorial Board of *Demographic Research*, Germany. 1998-present.

Member of the Editorial Board of *GENUS – An International Journal of Demography*, 2000-Present.

Member of the Editorial Board of *Chinese Journal of Population Science*. 1995-present.

Founder, Editor, Publisher, and Chairman of the Editorial Board of *Market and Demographic Analysis*, China. 1993-1998.

REVIEW WORK FOR ACADEMIC JOURNALS

Conducted review work for the following journals published in the U.S. and Europe:

Population and Development Review

Demography

Journals of Gerontology (Social Science)

Journals of Gerontology (Biological Science)

The New England Journal of Medicine

Social Biology

Population Studies

Journal of Population and Economics

European Journal of Population
GENUS – An International Journal of Demography
Demographic Research
Mathematical Population Studies
Science
Journal of the American Statistical Association
Journal of Marriage and Family
Research on Aging
Population Research and Policy Review
Journal of Comparative Family Studies
European Journal of Human Genetics

INVITED LECTURES (primarily since 1999)

- 1) Before 1999, I was invited to give professional lectures at the following institutions: Harvard University, Princeton University, University of Michigan, Yale University, University of California at Berkeley, University of North Carolina, University of Minnesota, Brown University, University of Colorado, Population Council, United Nations, East-West Center, McMaster University, University of British Columbia, Cambridge University, Nihon University, Netherlands Interdisciplinary Demographic Institute, Odense University, German Federal Institute for Population Research, U.S.A.- German Academies of Sciences Summer Institute.

Examples of specially invited conference speeches before 1999 are listed in 2) to 5). The invited conference speeches in and after 1999 are listed in item numbers 6) and onwards.

- 2) Was the first Mainland Chinese social scientist invited by a Taiwanese academic institution (Academy Sinica) and officially approved by the Taiwan government to visit and to deliver an academic speech in Taiwan in 1992.
- 3) Delivered a panel speech on population and sustainable development at the annual conference of the American Association for the Advancement of Science (AAAS) Feb. 8 - 12, 1996, Baltimore. One of five of AAAS's specially invited scientists in the fields of population, environment and ecological studies.
- 4) Delivered a panel speech on an oldest old aging study at the U.S.A.-Germany Academy Sciences Summer Institute, July, 1997, University of California, Davis.
- 5) Invited by the United Nations Educational, Scientific and Cultural Organization (UNESCO) to deliver a speech as a distinguished leading scientist at the UNESCO Conference "21st Century Dialogues," Sept. 16-19, 1998, UNESCO Headquarters, Paris. I was one of the two invited distinguished, leading demographers to deliver a speech at this UNESCO conference.
- 6) Invited by the Taiwan Population Association to deliver a keynote speech at the annual meeting of the Taiwan Population Association, Taipei, March 1999.

- 7) "Extremely Rapid Aging and the Living Arrangement of Elderly Persons: the Case of China." Invited panel speech at the Technical Meeting of the Population Division of the United Nations, New York, Feb. 8-11, 2000.
- 8) "Demography of Aging in China and a New Method for Family Household Projection." Invited lecture at the Center for Population Studies, University of Michigan, Ann Arbor, March 20, 2000.
- 9) "Marriage and Divorce in China." Invited lecture at the Center for China Studies, University of Michigan, Ann Arbor, March 22, 2000.
- 10) "Population Aging and Oldest Old in China." Invited keynote speech at the opening ceremony of the 16th Biennial Meetings of the International Society for the Study of Behavioral Development, Beijing, July 11, 2000.
- 11) "Population Aging and Family Dynamics of Elderly in China." Invited lecture at the Department of Sociology and Population Studies and Training Center, Brown University, Nov. 27, 2000.
- 12) "ProFamy: A New Method and Demographic Tool for Family Household Projection." Invited lecture at the U.S. Census Bureau, Nov. 29, 2000, Washington D.C.
- 13) "Challenges of Population Aging in China." Invited lecture at Stanford University, Feb. 21, 2001.
- 14) "Determinants of Healthy Longevity in China." Invited lecture at the University of California, Berkeley, Feb. 22, 2001.
- 15) "The Oldest Old and Policy Considerations in China." Invited lecture at the Center for Health and Social Policy, Medical School, Odense University, Denmark, May 8, 2001.
- 16) "Extremely Rapid Population Aging and The Implications on Medical Expenses In China." Invited speech delivered at the 5th International Conference on Preventive Medicine on Cardiac Diseases," May 28, 2001, Osaka, Japan.
- 17) "Rural Old Age Insurance and Sustainable Development in China." Invited speech delivered at the Forum on "Sustainable Development with Dynamic Economy," organized by World Bank and the German Ministry for Economic Cooperation and Development. Berlin, July 10-12, 2001.
- 18) "Healthy Aging Studies in China." Invited lecture at Center on Aging and Department of Sociology, University of Victoria, Canada, April 2, 2002.
- 19) Household & Consumption Forecasting Using ProFamy New Method, Invited lecture at the headquarters of General Motors, Detroit, June 2, 2003.
- 20) ProFamy: New Method and Software for Household Forecasting. Invited lecture at STATA Institute, College Station, Nov. 10, 2003.
- 21) Determinants of Healthy Longevity in China. Invited Plenary lecture at 7th Asia/Oceania Regional Congress of Gerontology Tokyo, November 28, 2003, Studies on Healthy Longevity in China. Invited lecture at Japan National Institute on Population and Social Security, Dec. 1, 2003.

- 23) Rapid Aging, Healthy Longevity and Rural-Urban Insurance in China. Invited keynote speech at the 1st HiA International Symposium on Frontiers of Aging Research -- Challenge to Global Aging, Tokyo, December 2, 2003.
- 24) U.S. Family Households and Elderly Living Arrangements Forecasting Using ProFamy New Methods and Conventional Demographic Data. Census Bureau invited lecture at the Federal-States demographers cooperatives annual workshop (involving Census Bureau personnel and state-demographers from all states) March 31, 2004, Boston.
- 25) Demographic Research and Industry of Elderly Products and Services. Invited keynote speech at the National Conference on Industry of Elderly Products and Services, organized by the China National Research Center on Aging, May 28, 2004, Beijing.
- 26) Fixed Attribute Dynamics and Multivariate Statistical Analysis on the Association between Early Life Experiences and Healthy Longevity at Old Ages. Lecture at IUSSP and the Max Planck Institute for Demographic Research (MPIDR) Summer School on Frontiers of Demographic Research on Mortality and Longevity, 25 July - 2 August 2005, MPIDR, Rostock, Germany.
- 27) A New Method for Correcting Underestimation of Disabled Life Expectancy and Application to Chinese Oldest-Old. Lecture at IUSSP and the Max Planck Institute for Demographic Research Summer School on Frontiers of Demographic Research on Mortality and Longevity, 25 July - 2 August 2005, MPIDR, Rostock, Germany.
- 28) ProFamy: New Method, Software and Applications for Projections of Households and Elderly Living Arrangement. Lecture at IUSSP and the Max Planck Institute for Demographic Research Summer School on Frontiers of Demographic Research on Mortality and Longevity, 25 July - 2 August 2005, MPIDR, Rostock, Germany.
- 29) "Family Household and Housing Forecasting at State and Small Area Levels." Invited lecture at the U.S. Census Bureau, Nov. 7, 2005, Washington D.C.
- 30) Invited by the "Planning and Development Collaborative International (PADCO)" to speak as a panelist at the FADCO Forum on Global Development on Nov. 8, 2005 at Cosmos Club in Washington DC, on the 40th anniversary of PADCO.
- 31) "Chinese Longitudinal Healthy Longevity Survey Study and Selected Findings", invited lecture at Minnesota Population Center, October 17, 2005, Minneapolis.
- 32) "International Healthy Aging Study and Forecasting Elderly Family and Disability Status." Invited lecture at School of Public Health, University of Minnesota, Jan. 19, 2006, Minneapolis.
- 33) "The Chinese Longitudinal Healthy Longevity Survey Research and its Findings." Center for Study of Aging, Bio-demography and Health Services at Economics Department of University of Chicago, March 17, 2006, Chicago.
- 34) "Population Aging and Forecasting of Deficits of Retirement Funds in China", Economics Department, National University of Singapore, May 3, 2006, Singapore.

- 35) Keynote speech on “Population Aging in China: Challenges and Opportunities” at the Nan-Sa Forum co-sponsored by Hong Kong University of Science and Technology and Guang Zhou Municipality Government.
- 36) Specially invited keynote lectures at the Australian National Workshop especially designed for training the ProFamy new cohort-components methodology and applications of households forecasting, developed by Yi Zeng and his associates including Ken Land, Zhenglian Wang, James W. Vaupel, etc. This Australian National Workshop was organized by Australian Demographic and Social Research Institute at Australian National University, Dec.6-7, 2007.
- 37) Specially invited keynote lecture on “Households forecasting at state and sub-state levels” by Federal-State Cooperative Program for Population Projections (FSCPP), April 16, 2008, New Orleans, Louisiana.
- 38) Invited by the International Organization REVES (Réseau Espérance de Vie en Santé) to deliver the *George Myers Memorial Lecture* at the 20th conference of REVES, May 7-9, 2008 held in Manila, Philippines. Yi Zeng’s lecture was on “Can Humans Achieve the Goal of Longer Life and Healthy Aging? -- Lessons Learned from Chinese Longitudinal Healthy Longevity Study.
- 39) Invited by Professor Emily Grundy, Cambridge University, Professor Mike Murphy and Professor Ludi Simpson, President of British Society for Population Studies (BSOS) to give a keynote lecture at the BPS seminar on households projections July 16, 2012 in London.
- 40) Specially invited by the Population Program of International Institute on Applied Systems Analysis to deliver keynote lecture on “Households and living arrangement projections: the extended cohort-component method and applications to the U.S. and China,” August 6, 2013, Laxenburg.
- 41) Specially invited and paid business class air ticket and hotel costs to present “Research to understand the effects of genes-environment interactions on healthy longevity is one of the most responses as world longevity increases -- Lessons learned from Chinese Longitudinal Healthy Longevity Study, the world largest study on the oldest-old” at the “*Future Trends Forum: How Will Longevity Reshape the World?*” Nov. 30-Dec. 1, 2017, Madrid, Spain, organized by Bankinter Innovation Foundation of Spain.

TEACHING

Courses taught:

- 1) “Society, Economics and Market in China.” Taught in English every year at Duke University since 2004.
- 2) “Population, Families and Market Economy”, taught at Peking University almost every year since 2004.
- 3) Populations, Families, and Socio-economics in Mainland China, Taiwan, and Hong Kong. Taught in English at Duke University, 2002.
- 4) Population and Family in China. Taught in English at Duke University, 2000.
- 5) Population, Family and Socio-Economic Reforms in China. Taught in English at Duke University, 1999.
- 6) Population, Family and Socio-Economic Reforms in China. Taught in English every year at

the University of Minnesota, 1992-1998 (except 1997).

- 7) Methods and Applications of Demographic Analysis. Taught in English at Peking University, 1992-1996; taught in Chinese at Peking University, 1988-1991.
- 8) Advanced Techniques of Demographic Analysis. Taught in English at Peking University, 1997 - 1998.
- 9) How to Write a Research Grant Proposal. Taught in Chinese at Peking University, 1995.
- 10) How to Conduct Professional Translations between English and Chinese. Taught in Chinese at Peking University, 1996.
- 11) Family Demography (short course). Taught in Chinese at Peking University, 1987.
- 12) Family Status Life Table Analysis (short course). Taught in English at the University of Colorado, 1987.
- 13) Methods of Demographic Analysis Using Survey Data. Taught in Chinese at a two-month training workshop for Chinese scholars organized by the International Statistical Institute in The Hague, Netherlands.
- 14) Participated in developing and teaching the undergraduate course "Introduction to Demography" taught in Chinese at Peking University.

Development of an international MA degree program taught in English at Peking University

While I was director of the Institute of Population Research at Peking University, I took the initiative to establish an international M.A. degree program in population science, with all courses taught in English, enrolling both Chinese and foreign students. This English demographic M.A. degree program was officially launched in 1992 and continues to operate. I applied for and received major financial support from the World Health Organization. I directed and participated in the development of the curriculum, recruited faculty who are able to teach in English, and attracted the interest of graduate students from outside of China including the U.S., Germany and other countries to study at this unique M.A. degree program in China.