

Selected Publications

More than 500 articles and 12 books on ecosystem services, landscape ecology, land use, ecological restoration, and Eco-hydrology, more than 400 are published in English journals including **Nature**, **Science**, **Nature Climate Change**, **Nature Geoscience**, **Nature Sustainability**, **Nature Ecology & Evolution**, and **Science Advances**. Google Scholars ca 39300 citations with h-index 93.

1. Wu Xutong, **Fu Bojie***, Wang Shuai, Song Shuang, Li Yingjie, Xu Zhenci, Wei Yongping, Liu Jianguo, 2022. Decoupling of SDGs followed by re-coupling as sustainable development progresses. *Nature Sustainability*.
DOI: 10.1038/s41893-022-00868-x.
2. Lu Nan, Tian Hanqin, **Fu Bojie***, Yu huiqian, Piao Shilong, Chen Shiyin, Li Ya, Li Xiaoyong, Wangmengyu, Li Zidong, Zhang Lu, Ciais Philippe, Pete Smith. 2022. Biophysical and Economic Constraints on China's Natural Climate Solutions. *Nature Climate Change*, **DOI:**10.1038/s41558-022-01432-3.
3. **Fu Bojie***, Wu Xutong, Wang Zhuangzhuang, Wu Xilin, Wang Shuai, 2022. Coupling human and natural systems for sustainability: experience from China's Loess Plateau. *Earth System Dynamics*, 13(2), 795-808.
DOI: 10.5194/esd-13-795-2022.
4. Zhang Junze, Wang Shuai, Zhao Wenwu, Meadows Michael E., **Fu Bojie***, 2022. Finding pathways to synergistic development of Sustainable Development Goals in China. *Humanities & Social Sciences Communications*, 9(1), 21-21.
DOI: 10.1057/s41599-022-01036-4.
5. **Fu Bojie***, Stafford-Smith Mark, Wang Yanfen, Wu Binfang, Yu Xiubo, Lv Nan, Ojima Dennis S., Lv Yihe, Fu Chao, Liu Yu, Niu Shuli, Zhang Yangjian, Zeng Hongwei, Liu Yuexian, Liu Yanxu, Feng Xiaoming, Zhang Lu, Wei Yongping, Xu Zhihong, Li Fadong, Cui Xiaoyong, Diop Salif, Chen Xi, 2021. The Global-DEP conceptual framework - research on dryland ecosystems to promote sustainability. *Current Opinion in Environmental Sustainability*, 48, 17-28.
DOI: 10.1016/j.cosust.2020.08.009.
6. Li Changjia, **Fu Bojie***, Wang Shuai, Stringer Lindsay C., Wang Yaping, Li Zidong, Liu Yanxu, Zhou Wenxin, 2021. Drivers and impacts of changes in China's drylands. *Nature Reviews Earth & Environment*, 2(12), 858-873.
DOI: 10.1038/s43017-021-00226-z.
7. Zhang Junze, **Fu Bojie***, Stafford-Smith Mark, Wang Shuai, Zhao Wenwu, 2021. Improve forest restoration initiatives to meet Sustainable Development Goal 15. *Nature Ecology & Evolution*, 5(1), 10-13.
DOI: 10.1038/s41559-020-01332-9.
8. Wu Xutong, Liu Jianguo, **Fu Bojie***, Wang Shuai, Wei Yongping, 2021. Integrating multiple influencing factors in evaluating the socioeconomic effects of payments for ecosystem services. *Ecosystem Services*, 51, 101348.
DOI: 10.1016/j.ecoser.2021.101348.
9. Wu Xutong, Wang Shuai, **Fu Bojie***, 2021. Multilevel analysis of factors affecting participants' land reconversion willingness after the Grain for Green

- Program. *Ambio*, 50(7), 1394-1403. DOI: 10.1007/s13280-020-01475-w.
10. **Fu Bojie***, Zhang Junze, Wang Shuai, Zhao Wenwu. 2020. Classification–coordination–collaboration: a systems approach for advancing Sustainable Development Goals. *National Science Review*, 7(5), 838-840. DOI:10.1093/nsr/nwaa048.
 11. Wu Xutong, Wei Yongping, **Fu Bojie***, Wang Shuai, Zhao Yan, Moran Emilio F. 2020. Evolution and effects of the social-ecological system over a millennium in China’s Loess Plateau. *Science Advances*, 6(41), eabc0276. DOI: 10.1126/sciadv.abc0276.
 12. **Fu Bojie***, Wang Shuai, Zhang Junze, Hou Zengqian, Li Jinghai*. 2019. Unravelling the Complexity in Achieving the 17 Sustainable Development Goals. *National Science Review*, 6(3), 386-388.
 13. Daryanto Stefani, **Fu Bojie***, Zhao Wenwu, Wang Lixin. 2019. One-hundred years after shrub encroachment: Policy directions towards sustainable rangeland-use. *Land Use Policy*, 84:71-78. DOI: 10.1016/j.landusepol.2019.03.008
 14. Wang Shuai, **Fu Bojie***, Bodin Orjan, Liu Jianguo, Zhang Mengmeng, Li Xiaoyan. 2019. Alignment of social and ecological structures increased the ability of river management. *Science Bulletin*, 64(18), 1318-1324. DOI: 10.1016/j.scib.2019.07.016
 15. Wu Xutong, Wang Shuai, **Fu Bojie***, Zhao Yan, Wei Yongping. 2019. Pathways from payments for ecosystem services program to socioeconomic outcomes. *Ecosystem Services*, 39. DOI: 10.1016/j.ecoser.2019.101005
 16. **Fu Bojie***, Wang Shuai, Liu Yu, Liu Jianbo, Liang Wei, Miao Chiyuan. 2017. Hydrogeomorphic-Ecosystem Responses to Natural and Anthropogenic Changes in the Loess Plateau of China. *Annual Review of Earth and Planetary Sciences*, 45, 223-243.
 17. Feng Xiaoming, **Fu Bojie***, Piao Shilong, Wang Shuai, Ciais Philippe, Zeng Zhenzhong, Lü Yihe, Zeng Yuan, Li Yue, Jiang Xiaohui, Wu Bingfang. 2016. Revegetation in China’s Loess Plateau is approaching sustainable water resource limits. *Nature Climate Change*, 6, 1019-1024. DOI:10.1038/nclimate3092
 18. Wang Shuai, **Fu Bojie***, Piao Shilong, Lü Yihe, Ciais Philippe, Feng Xiaoming, Wang Yafeng. 2016. Reduced sediment transport in the Yellow River due to anthropogenic changes. *Nature Geoscience*, 9, 38-42. DOI: 10.1038/ngeo2602
 19. Hu Haitang, **Fu Bojie***, Lv Yihe. 2015. SAORES: a spatially explicit assessment and optimization tool for regional ecosystem services. *Landscape Ecology*, 30(3): 547-560.
 20. Jia Xiaoqing, **Fu Bojie***, Feng Xiaoming, Hou Guohua, Liu Yu, Wang Xiaofeng. 2014. The tradeoff and synergy between ecosystem services in the the Grain-for-Green areas in Northern Shaanxi, China. *Ecological Indicators*, 43: 103–113.

21. **Fu Bojie**, Bruce Jones (Eds). 2013. **Landscape Ecology for Sustainable Environment and Culture**, Springer.
22. **Fu Bojie***, Wang S, Su CH, Forsius M. 2013. Linking ecosystem processes and ecosystem services. *Current Opinion in Environmental Sustainability*, 5, 4-10.
23. **Fu Bojie***, Liu Yu, Lü Yihe, He Chansheng, et al. 2011. Assessing the soil erosion control service of ecosystems change in the Loess Plateau of China. *Ecological Complexity*, 8:284–293.
24. **Fu Bojie***, Wang Yafeng, LuYihe, He Chansheng, Chen Liding, Song Chengjun. 2009, The effects of land use combination on soil erosion-a case study in Loess Plateau of China. *Progress in Physical Geography*, 33(6):793-804.
25. **Fu Bojie***, 2008, Blue Skies for China. *Science*, 321:611.
26. **Fu Bojie*** Zhuang Xuliang, Jiang Guibing, Shi Jianbo, Lu Yihe. 2007, Environmental Problems and challenges in China. *Environmental Science & Technology*, 42: 7597-7602.
27. **Fu Bojie***, Hu C.X., Chen L.D., Honnay, O., and Gulinck, H. 2006. Evaluating Change in agricultural landscape pattern between 1980 and 2000 in the loess hilly region of Ansai county, China. *Agriculture, Ecosystems and Environment*, 114: 387-396.
28. **Fu Bojie***, Zhang Q.J., Chen L.D., Zhao, W.W., Gulinck, H., Liu, G.B., Yang, Q.K., and Zhu, Y.G. 2006. Temporal change in land use and its relationship to slope degree and soil type in a small catchment on the Loess Plateau of China. *Catena*, 65: 41-48.
29. **Fu Bojie***, Zhao, W.W., Chen, L.D., et al. 2005. Assessment of soil erosion at large watershed scale using RUSLE and GIS: a case study in the Loess plateau of China. *Land Degradation and Development*, 16(1): 73-85.
30. **Fu Bojie***, Liu Shiliang, Ma Keming and Zhu Yongguan.2004 .Relationships between soil characteristics, topography and plant diversity in a heterogeneous deciduous broad-leaved forest neat Beijing, China. *Plant and Soil*, 261: 47-54.