

Curriculum Vitae

Name V. Chandrasekhar

Address Director
National Institute of Science Education and Research
Institute of Physics Campus, Sachivalaya Marg
Bhubaneswar- 751005
vc@niser.ac.in

On leave from
Department of Chemistry
Indian Institute of Technology Kanpur
Kanpur-208016
vc@iitk.ac.in

Personal

Date of Birth	Nov 6, 1958
Place of Birth	Calcutta, West Bengal
Nationality	Indian
Marital status	Married

Education

B.Sc.	Osmania University	1975
M.Sc.	Osmania University	1977
Ph.D.	Indian Institute of Science, Bangalore (Supervisor: Prof. S. S. Krishnamurthy)	1982
Post-doctoral	University of Massachusetts, Amherst	1983 - 1986

Research Interests

- Organometallics
- Inorganic Star-bursts
- Metal Clusters
- Molecular Materials and Functional Materials; Molecular single-molecule magnets, Light-emitting molecules, Multi-electron reservoirs

Awards & Honors

- Shanti Swarup Bhatnagar Award (2003)
- Friedrich-Wilhelm-Bessel Award of the Alexander von Humboldt Foundation Germany (2003)
- CRSI Medal (2002)
- Homi Bhabha Fellowship for excellence in research (1999-2000)
- Indian National Science Academy Young Scientist Medal (1989)
- Fellow of the Indian Academy of Sciences, Bangalore (2003)
- Fellow of the Indian National Science Academy, Delhi (2007)
- Fellow of the National Academy of Sciences, Allahabad (2007)
- Fellow of the Academy of the Developing World, Trieste, Italy (FTWAS) (2009)
- Lalit Kapoor Chair Professor, IIT Kanpur (2006-09)
- J. C. Bose National Fellow, Department of Science and Technology, New Delhi (2007)
- Chemical Research Society of India Silver Medal (2011)

Positions held so far

Senior Research Officer	IPCL, Vadodara.	May 1986 – June 1987
Assistant Professor	IIT Kanpur	July 1987 - February 1991
Associate Professor	IIT Kanpur	March 1991 – November 1995
Professor	IIT Kanpur	November 1995 – Present
Head	Department of Chemistry, IIT K	Jan 2008-Aug 2010
Dean, Faculty Affairs	IIT Kanpur	Jan 2011-July 2012
Senior Professor and Dean	TIFR-Hyderabad	August 2012-January 2014
Director	NISER	January 2014-

Visiting Appointments

Visiting Professor	University of Calgary, Calgary, Canada	(May - Dec 1989)
Visiting Professor	University of Calgary, Calgary, Canada	(May - July, 1991)
AvH Fellow	University of Göttingen, Germany	(May 1994- July 1995)
INSA-JSPS Fellow	University of Tsukuba, Japan	(June –July 1996)
Visiting Professor	University of Göttingen, Germany	(May-July, 1998)
AvH Fellow	University of Würzburg, Germany	(May - July 2000)
Bessel Fellow	University of Göttingen, Germany	(Dec 2003- May 2004)

Ph.D's trained: 32 students have obtained their Ph.D; 6 students are currently doing their Ph. D.

Papers Published (Peer Reviewed Journals): 300 +

h-index: 46 (source Google Scholar); i10-index: 181 (source Google Scholar)

Academic Administration at IIT K

1. Convener, Departmental Undergraduate Committee (1991-93)
2. Member Departmental Undergraduate and Post-graduate committees (several years)
3. Vice-Chairman JEE (1996-97)
4. Head, Department of Chemistry (2008-10)
5. Dean, Faculty Affairs (2011-12)
6. Member, Academic Review Committee

National Committees

1. Member, Project Advisory Committee (Inorganic Chemistry) of Department of Science and Technology (2004-2007); 2007-2010; 2015-
2. Member, Sectional Committee on Chemical Sciences, Indian Academy of Sciences 2007-
3. Member, BOYSCAST Committee of Department of Science and Technology (2004-2006)
4. Member, CSIR Young Scientist Award committee (2007)
5. Member, CSIR Bhatnagar Award Committee (2007, 2012, 2014)
6. Editorial Board member, J. Chem. Sci. (2008-)
7. Member, Research Advisory Committee of Indian Association for Cultivation of Sciences (2007-11)
8. UGC Nominee, Centre for Advanced Studies, Jadavpur University, Kolkata (2007-10)
9. Member, Task Force of IIT Madras to set up IIT Hyderabad (2008)
10. Member, Academic Council, Sri Sathya Sai University
11. Member, Academic Council, Indian Institute of Science Education and Research, Bhopal
12. Member, Academic Council, National Institute of Science Education and Research, Bhubaneswar
13. Member, Academic Council, Indian Institute of Technology Hyderabad
14. Member, Academic Council, Indian Institute of Technology Rajasthan
15. Member, Board of Governors, IISER Bhopal (2015-)
16. Member, Board of Governors, NIT, Rourkela (2014-)
17. Member, Governing Council, Institute of Physics, Bhubaneswar (2014-)

Editorial Board

1. Member, Board of Editors, Organometallics, (American Chemical Society):2009-11
2. Member, Board of Editors, J. Chem. Sciences (2008-11)
3. Member, Board of Editors, Ind. J. Chemistry (2011-)

List of Publications

1981-87

1. Spirocyclic Compounds Derived from the Reactions of $N_3P_3Cl_6$ and $N_4P_4Cl_8$ with Difunctional Reagents

V. Chandrasekhar, S. S. Krishnamurthy, A. R. Vasudeva Murthy, R. A. Shaw, M. Woods

Inorg. Nucl. Chem. Lett. **1981**, *17*, 181-185

2. Metal Complexes of Aminocyclophosphazenes

V. Chandrasekhar, S. S. Krishnamurthy, M. Woods

ACS Symp. Series Phosphorus **1981**, *171*, 481-485

3. Reactions of Hexachlorocyclotriphosphazatriene with N-methyl ethanolamine: X-ray Crystal Structure of a Dispirocyclotriphosphazatriene, $N_3P_3[NMeCH_2CH_2O]_2Cl_2$

V. Chandrasekhar, S. S. Krishnamurthy, H. Manohar, A. R. Vasudeva Murthy, R. A. Shaw, M. Woods

J. Chem. Soc. Dalton Trans. **1984**, 621-625

4. Adducts of Silicon tetrafluoride with Aminocyclophosphazenes: Synthesis and Characterization

B. S. Suresh, **V. Chandrasekhar**, D. K. Padma

J. Chem. Soc. Dalton Trans. **1984**, 1787-1790

5. Pentacoordinated Structures of Triphenyltin Esters of Anthranilic Acid and *p*-Aminobenzoic Acid Formed by Intramolecular Carboxylate Group Coordination

R. G. Swisher, J. F. Vollano, **V. Chandrasekhar**, R. O. Day, R. R. Holmes

Inorg. Chem. **1984**, *23*, 3147-3152

6. Intramolecularly Formed Pentacoordinated Structures of Triphenyltin Esters of Salicylic Acid, *o*-Anisic Acid and *p*-Methylthiobenzoic Acid.

J. F. Vollano, R. O. Day, D. N. Rau, **V. Chandrasekhar**, R. R. Holmes.

Inorg. Chem. **1984**, *23*, 3153-3160.

7. Some Reactions of Octachlorocyclotetraphosphazene with Aliphatic Difunctional Reagents.

V. Chandrasekhar, S. Karthikeyan, S. S. Krishnamurthy, M. Woods.

Ind. J. Chem. **1985**, *24a*, 379-383.

8. A new structural form of tin octahedrally coordinated in a drum shaped molecule.

V. Chandrasekhar, R. O. Day, R. R. Holmes

Inorg. Chem. **1985**, *24*, 1970-1971

9. Synthesis and Molecular Structure of Five coordinated Spirocyclic Anionic Silicates Containing *t*-Butyl Groups. Hydrogen Bonding Effects
R. R. Holmes, R. O. Day, **V. Chandrasekhar**, J. M. Holmes
Inorg. Chem. **1985**, *24*, 2009-2015.
10. Acyclic Substituent Effects on the Molecular Structure of Cyclic Containing Five Coordinated Anionic Silicates. A Model for Nucleophilic Substitution at Silicon
R. R. Holmes, R. O. Day, **V. Chandrasekhar**, J. J. Harland, J. M. Holmes
Inorg. Chem. **1985**, *24*, 2016-2020
11. New Ring Systems of Elements of Main Groups IV and V
R. R. Holmes, R. O. Day, **V. Chandrasekhar**, S. Shafiezzad, J. J. Harland, D. N. Rau, J. M. Holmes
Phosphorus and Sulphur. **1986**, *28*, 91-98
12. Discrete, Dimeric and Polymeric Structures of Triphenyltin Esters of Chlorobenzoic Acids
R. R. Holmes, R. O. Day, **V. Chandrasekhar**, J. F. Vollano, J. M. Holmes
Inorg. Chem. **1986**, *25*, 2490-2494
13. Chain Structures of Trimethyltin Esters of Salicylic Acid and *o*-Anisic Acid: Tin-119 Mössbauer Study of a Series of Trimethyltin Carboxylates
P. J. Smith, R. O. Day, **V. Chandrasekhar**, J. M. Holmes, R. R. Holmes
Inorg. Chem. **1986**, *25*, 2495-2499
14. A New Structural Form of Tin in an Oxygen Capped Cluster
R. O. Day, J. M. Holmes, **V. Chandrasekhar**, R. R. Holmes
J. Am. Chem. Soc. **1987**, *109*, 940-941
15. Oxo Carboxylate Tin Ladder Clusters. A New Structural Class of Organotin Compounds
R. R. Holmes, C. G. Schmid, **V. Chandrasekhar**, R. O. Day, J. M. Holmes.
J. Am. Chem. Soc. **1987**, *109*, 1408-1414
16. New Drum and Ladder Organooxotin Carboxylates
V. Chandrasekhar, C. G. Schmid, S. D. Burton, J. M. Holmes, R. O. Day, R. R. Holmes
Inorg. Chem. **1987**, *26*, 1050-1056
17. Formation and Structure of Cyclic Five Coordinated Antimony Derivatives. The First Square Pyramidal Geometry for a Bicyclic Stiborane
R. R. Holmes, R. O. Day, **V. Chandrasekhar**, J. M. Holmes
Inorg. Chem. **1987**, *26*, 157-163
18. Distortion Coordinate for Non-rigid Five Coordinated Antimony. Synthesis and Structure of Oxygen and Sulphur Containing Cyclic Organo Stiboranes

R. R. Holmes, R. O. Day, **V. Chandrasekhar**, J. M. Holmes
Inorg. Chem. **1987**, *26*, 163-168

19. Sterically Hindered Pentacoordinated Phosphorus and Silicon Compounds
R. R. Holmes, **V. Chandrasekhar**, R. O. Day, J. J. Harland, J. S. Payne
Phosphorus Sulfur Silicon and Related Elements . **1987**, *30*(1-2), 409-412

1988-93

20. New Five and Six Coordinated Anionic Tin(IV) complexes. Molecular Structures of Spirocyclic Stannates with Mixed Ligands
R. R. Holmes, S. Shafiezzad, **V. Chandrasekhar**, A. C. Sau, J. M. Holmes, R. O. Day
J. Am. Chem. Soc. **1988**, *110*, 1168-1174

21. Hydrolysis Reactions Leading to Ring Containing Hexa Coordinated Distannoxanes. Tin-Sulphur vs Tin-Oxygen Bonding
R. R. Holmes, S. Shafiezzad, **V. Chandrasekhar**, J. M. Holmes, R. O. Day
J. Am. Chem. Soc. **1988**, *110*, 1174-1180

22. Recent Developments in Ziegler-Natta Catalysts for Olefin Polymerization and their Processes
V. Chandrasekhar, P. R. Srinivasan, S. Sivaram
Ind. J. Tech. **1988**, *26*, 53-82

23. Mononuclear and Tetranuclear Diorganotin(IV) Carboxylates from the Reaction of Dimethyltin Oxide with Anthranilic Acid and its *p*-Amino Isomer
V. Chandrasekhar, R. O. Day, J. M. Holmes, R. R. Holmes
Inorg. Chem. **1988**, *27*, 958-964

24. A New Class of Oligomeric Organotin Compounds
R. R. Holmes, R. O. Day, **V. Chandrasekhar**, C. G. Schmid, K. C. Kumaraswamy, J. M. Holmes
A. C. S. Symposium Series. **1988**, *360*, 469-482

25. Novel Drums and Mixed Drum Organotin Clusters from Carboxylic, Phosphinic and Phosphoric Acids
R. O. Day, **V. Chandrasekhar**, K. C. Kumaraswamy, J. M. Holmes, S. D. Burton, R. . Holmes
Inorg. Chem. **1988**, *27*, 2887-2893

26. Distortion Coordinate for Five Coordinated Tin. A Model for Nucleophilic Substitution. Synthesis and Structures of Hypervalent Anionic Cyanoethylene Dithiolato Stannates.
R. O. Day, J. M. Holmes, S. Shafiezzad, **V. Chandrasekhar**, R. R. Holmes.
J. Am. Chem. Soc. **1988**, *110*, 5377-5383

27. Reactions of Hexachlorocyclotriphosphazene with 1,2 - Diaminopropane.
V. Chandrasekhar, N. S. Reddy
Heterocycles **1989**, 28(2), 611-614
28. Synthesis and Structure of Novel Azo Dyes with Short Intramolecular Se-N Contacts.
V. Chandrasekhar, T. Chivers, J. Fait, S. S. Kumaravel
J. Am. Chem. Soc. **1990**, 112, 5374-5375.
29. Pentacoordinate Acyclic and Cyclic Anionic Oxysilicates - A ^{29}Si NMR and X-ray Structural Study
K. C. Kumaraswamy, **V. Chandrasekhar**, J. J. Harland, J. M. Holmes, R. O. Day, R. R. Holmes
J. Am. Chem. Soc. **1990**, 112, 2341-2348
30. Molecular assemblies of organooxotin clusters
V. Chandrasekhar, M. G. Muralidhara
Current Science. **1991**, 60, 158-165 (invited article)
31. Reactions of Tri-*n*-butyl and Di-*n*-butyltin Oxides with Carboxylic acids-Formation of Chain and Ladder Organotin Carboxylates
M. G. Muralidhara, **V. Chandrasekhar**
Ind. J. Chem. **1991**, 30A, 487-492
32. Cyclophosphazene Linked Tetraphenyl Porphyrins
I. I. Selvaraj, **V. Chandrasekhar**, T. K. Chandrasekhar, N. S. Reddy.
Heterocycles **1991**, 32, 703-710
33. Non-metal Porphyrins: Reactions of PCl_3 , POCl_3 and PhPOCl_2 with Tetraphenyl Porphyrin-Spectroscopic and Electrochemical studies
R. P. S. Pandian, T. K. Chandrasekhar, **V. Chandrasekhar**
Ind. J. Chem. **1991**, 30A, 579-583
34. Reactions of Difunctional Reagents with Chlorocyclophosphazenes.
V. Chandrasekhar, M. G. Muralidhara, I. I. Selvaraj.
Heterocycles. **1990**, 31, 2231-2266
35. Organic Polymers with Cyclophosphazene Pendant Groups
I. I. Selvaraj, **V. Chandrasekhar**
Polymer Science (Ed. S. Sivaram, Tata McGraw Hill, 1990). 1, 60-64
36. Preparation of 1,1,5,5-Tetraphenyl,3,7-diaryl,1,5-diphosphatetraazocines and 1,1,3,3,5-Pentaphenyldiphosphatriazine and X-ray Structure of 1,5- $\text{Ph}_4\text{P}_2\text{N}_4\text{C}_2(\text{C}_6\text{H}_4\text{CH}_3-4)_2$

V. Chandrasekhar, T. Chivers, S. S. Kumaravel, M. Meetsma, J. C. Van de Grampel.
Inorg. Chem. **1991**, *30*, 3402-3407

37. Reactions of N,N,N-Tris(trimethylsilyl)benzamidine with Organochalcogen Halides: The Formation of Diazenes via the Resonance Stabilized Radical $\text{PhCN}_2(\text{EPh}_2)$ and the X-ray Structures of $\text{PhCN}_2(\text{SCCl}_3)_3$ and *trans*- $\text{MeSeN}(\text{Ph})\text{CN}=\text{NC}(\text{Ph})\text{SeMe}$.

V. Chandrasekhar, T. Chivers, S. S. Kumaravel, M. Parvez, M. N. Sudheendhra Rao.
Inorg. Chem. **1991**, *30*, 4125-4130

38. Reactions of Hexachlorocyclotriphosphazatriene with N-Methyl-1,3-diaminopropane: Isolation of Spirocyclic and not Intermolecular Bridged Products

V. Chandrasekhar, M. G. Muralidhara, N. S. Reddy
Heterocycles. **1992**, *33*, 111-115

39. Isolation and X-ray Crystal Structure of $\text{Ph}_3\text{SnO}_2\text{SePh}$; The First Example of an Organotin Ester of Phenyl Seleninic Acid

V. Chandrasekhar, M. G. Muralidhara, K. R. Justin Thomas, E. R. T. Tiekink
Inorg. Chem. **1992**, *31*, 4707-4708

40. Synthesis and Conductivity Studies of Poly(methoxy ethoxy ethyl)-methacrylate. LiCF_3SO_3

I. I. Selvaraj, P. Manoravi, **V. Chandrasekhar**. In **Solid State Ionics: Material and Applications:**

Eds. B. V. R. Chowdari, S. Chandra, S. Singh, P. C. Srivastava. (*World Scientific, Singapore*) **1992**, 591-597

41. Structure of 2,2,4,4,6-Pentaphenyl-2,4,1,3,5-diphosphatriazine- A 6-Membered $\text{P}_2\text{N}_3\text{C}$ ring

V. Chandrasekhar, T. Chivers, M. Parvez
Acta Cryst. Sect C. **1993**, *49*: 393-394

42. Conductivity Studies of New Polymer Electrolytes Based on Polyethyleneglycol(PEG)-sodium iodide System

P. Manoravi, I. I. Selvaraj, **V. Chandrasekhar**, K. Shahi
Polymer. **1993**, *34*, 1339-1341

43. Coordination and Organometallic Chemistry of Cyclophosphazenes.

V. Chandrasekhar, K. R. Justin Thomas
Appl. Organomet. Chem. **1993**, *7*, 1-31

44. Unusual Tridentate N_3 Capping Coordination Behaviour of Hexakis(3,5-dimethylpyrazolyl)-cyclophosphazene, $\text{N}_3\text{P}_3(3,5\text{-Me}_2\text{Pz})_6$: Synthesis, Spectroscopy and Electrochemistry of Mono- and Dinuclear Copper(II) Complexes and the X-ray structure of $\text{N}_3\text{P}_3(3,5\text{-Me}_2\text{Pz})_6\cdot\text{CuCl}_2$

K. R. Justin Thomas, **V. Chandrasekhar**, Parthasarathy Pal, S. R. Scott, R. Hallford, A. W. Cordes

Inorg. Chem. **1993**, *32*, 606-611

45. Recent Aspects in the Structure and Reactivity of Cyclophosphazenes

V. Chandrasekhar, K. R. Justin Thomas

Structure and Bonding **1993**, *81*, 41-113

46. Short Side Chain Poly(oligo oxy ethylene) Acrylates as Polymer Electrolytes: Synthesis and Ionic Conductivity of Poly(methoxy ethoxy ethyl)methacrylate. LiClO₄

I. I. Selvaraj, S. Chacklanobis, V. Chandrasekhar

J. Polym. Sci. Polym. Chem. **1993**, *31*, 2643-2646

47. Reaction of 1,3-Butanediol with Hexachlorocyclotriphosphazenes: Unusual Non-equivalence of Phosphorus Nuclei in the Spirocyclic Product, N₃P₃Cl₄[OCH(Me)CH₂CH₂O]

M. G. Muralidhara, N. Grover, V. Chandrasekhar

Polyhedron **1993**, *12*, 1509-1513

48. Synthesis and Spectroscopy of Mono- and Dinuclear Copper Complexes of a Pyrazolyl Cyclotriphosphazene. Crystal Structure of an Unusual Cyclotriphosphazene Bridged Dicopper complex

K. R. Justin Thomas, V. Chandrasekhar, S. R. Scott, R. Hallford, A. W. Cordes

J. Chem. Soc. Dalton Trans. **1993**, 2589-2594

1994-1997

49. Polymeric Ligands Based on Pyrazolyl Cyclophosphazene Structural Motifs

K. Vivekanandan, V. Chandrasekhar

Polym. Sci. Ed. I. S. Bharadwaj. **1994**, *1*, 473-6

50. New Hybrid Organic-inorganic Polymers Containing Cyclophosphazene Pendant Groups.

E. Sampath Kumar, I. I. Selvaraj, V. Chandrasekhar

Polym. Sci. Ed. I. S. Bharadwaj. **1994**, *1*, 470-2

51. Oligoethoxy Side-chain Containing Polyphosphazenes: Materials for Ion Transport.

I. I. Selvaraj, S. Chaklanobis, V. Chandrasekhar

Polym. Sci. Ed. I. S. Bharadwaj. **1994**, *1*, 403-6

52. Synthesis and Characterization of Mononuclear Ni(II) and Co(II) Complexes of 2,2-Diphenyl,4,4,6,6-tetrakis(3,5-dimethyl pyrazolyl)cyclotriphosphazene: X-ray Structure of [Ni(TPCTP)Cl₂]

K. R. Justin Thomas, P. Tharmaraj, V. Chandrasekhar, E. R. T. Tiekink

J. Chem. Soc. Dalton Trans. **1994**, 1301-1304

53. Synthesis, Spectroscopy and Electrochemistry of Ternary Copper(II) Complexes with 2,2-Diphenyl,4,4,6,6-tetrakis(3,5-dimethyl pyrazolyl) Cyclotriphosphazene and Nitrogenous bases. X-ray Structures of $N_3P_3Ph_2(3,5-Me_2Pz)_4.Cu(ClO_4)_2.2H_2O$ and $N_3P_3Ph_2(3,5-Me_2Pz)_4.Cu(ClO_4)_2.ImH$

K. R. Justin Thomas, P. Tharmaraj, **V. Chandrasekhar**, C. D. Bryan, A. W. Cordes.
Inorg. Chem. **1994**, *33*, 5382-5390

54. 2,2,4,4-Tetrakis(3,5-dimethyl pyrazol-1-yl)-2 λ^5 , 4 λ^5 , 6 λ^5 - cyclotriphosphaza-1,3,5-triene-6-spiro-2',1',3'-diazia-2'-phosphacyclohexane, $C_{23}H_{36}N_{13}P_3$

V. Chandrasekhar, K. R. J. Thomas, A. W. Cordes, S. Folkert, C. D. Bryan
Acta.Cryst. **1994**, *150C*, 1976-1978.

55. Experimental and theoretical investigations of 1,4,5,7-dithiadiazepines

V. Chandrasekhar, I. V. Baca, T. Chivers, T. Ziegler

Phosphorus, Sulfur, Silicon and Related Elements. **1994**, *93-94*, 447-448

56. Synthesis and Molecular Structures of Fluorophosphoranes, R_3PF_2 , Isoelectronic with Anionic Fluorosilicates

R. R. Holmes, J. M. Holmes, R.O. Day, K. C. Kumara Swamy, **V. Chandrasekhar**

Phosphorus, Sulfur, Silicon and Related Elements. **1995**, *103*, 153

57. Conductivity Studies on Poly(methoxy ethoxy ethoxy ethyl)methacrylate-lithium salt Complexes

I. I. Selvaraj, S. Chaklanobis, **V. Chandrasekhar**

J. Electrochem.Soc. **1995**, *142*, 366-370

58. Bis(bis(3,5-dimethyl-1-pyrazolyl)phosphinato)copper(II) $[Cu\{O_2P(N_2C_3HMe_2)_2\}_2]$

S. Folkert, C. D. Bryan, A. W. Cordes, P. Tharmaraj, **V. Chandrasekhar**

Acta.Cryst. **1995**, *C51*, 863-865

59. Reactions of N-methyl 1-3-diaminopropane with $N_3P_3Cl_6$ and *gem*- $N_3P_3Cl_4Ph_2$ leading to Spirocyclic Products

E. Sampath Kumar, M. G. Muralidhara, **V. Chandrasekhar**

Polyhedron **1995**, *14*, 1571

60. Five Coordinate Copper(II) Complexes of *gem*- $N_3P_3Ph_2(dmpz)_4$

K. R. Justin Thomas, P. Tharmaraj, **V. Chandrasekhar**, S. R. Scott, A. W. Cordes

Polyhedron **1995**, *14*, 977-982

61. Copper(II) and Cobalt(II) Complexes of 2,2-Diphenyl-4,4,6,6-tetrakis(1-pyrazolyl)-cyclotriphosphazene, $N_3P_3Ph_2Pz_4$. X-ray Crystal Structure of $N_3P_3Ph_2Pz_4.CoCl_2.0.5CH_2Cl_2$

K. R. Justin Thomas, **V. Chandrasekhar**, S. R. Scott, A. W. Cordes

Polyhedron **1995**, *14*, 1607-1613

62. Conductivity studies on poly(MEEMA)-LiCF₃SO₃ polymer electrolyte systems
I.I.Selvaraj, S.Chaklanobis, P.Manoravi, **V. Chandrasekhar**
Polymer. **1995**, *26*, 2603-2606
63. Heterobimetallic (Pd, Pt, Cu) Complexes of Hexapyrazolyl Cyclotriphosphazene via Simultaneous geminal (N₂) and nongeminal (N₃) Coordination modes
K. R. Justin Thomas, **V. Chandrasekhar**, C. D. Bryan, A. W. Cordes
J. Coord. Chem. **1995**, *35*, 337-348
64. Synthesis and ionic conductivity studies of new water insoluble polyphosphazene polymer electrolytes
I.I.Selvaraj, S.Chaklanobis, **V.Chandrasekhar**
J.Electrochem.Soc. **1995**, *142*, 3434-3437
65. New Lipophilic Air-stable Silanetriols: First Example of an X-ray Crystal Structure of a Silanetriol with Si-N Bonds
R. Murugavel, **V. Chandrasekhar**, A. Voigt, H. W. Roesky, H. G. Schmidt, M. Noltemeyer
Organometallics **1995**, *14*, 5298-5301
66. Discrete silanetriols: Building blocks for three-dimensional metallasiloxanes
R.Murugavel, **V.Chandrasekhar**, H.W.Roesky
Acc.Chem.Res. **1996**, *29*, 183-189
67. Silanediols Derived from Silanetriols: X-ray Crystal Structures of (2,3,6,-Me₃C₆H₂)N(SiMe₃)Si(OSiMe₃)(OH)₂ and (2,4,6,-Me₃C₆H₂)N(SiMe₃)Si(OSiMe₂R)(OH)₂ [R=CH₂(2-NH₂-3,5-Me₂C₆H₂)]
R. Murugavel, A. Voigt, **V. Chandrasekhar**, H. W. Roesky, H. G. Schmidt, M. Noltemeyer
Chem. Ber. **1996**, *129*, 391-395
68. Cyclic and Polyhedral Aluminosiloxanes with Al₂Si₂O₄, Al₄Si₂O₆ and Al₄Si₄O₁₂ Frameworks: X-ray Crystal Structures of [(2,4,6,-Me₃C₆H₂)N(SiMe₃)Si(OAlBu-i)₂ (OAl(Bu-i)₂O)₂] and [(2,6-Me₂C₆H₃)N(SiMe₃)SiO₃Al.C₄H₈O₂]₄
V. Chandrasekhar, R. Murugavel, A. Voigt, H. W. Roesky, H. G. Schmidt, M. Noltemeyer
Organometallics **1996**, *15*, 918-922
69. Facile and Rational Route for High-yield Synthesis of Titanosiloxanes from Aminosilanetriols
A. Voigt, R. Murugavel, **V. Chandrasekhar**, N. Winkhofer, H. W. Roesky, H. G. Schmidt, I. Uson
Organometallics **1996**, *15*, 1610-1613
70. Novel Cyclic Pentacoordinate and Pseudopentacoordinate Lead Compounds

V. Chandrasekhar, A. Chandrasekharan, R. O. Day, J. M. Holmes, R. R. Holmes
Phosphorus Sulfur Silicon and Related Elements **1996**, *115*, 125-139

71. Intramolecular Redox Cyclization upon Oxidation of a Sulfur(II) Containing Diazene:
X-ray Structures of PhS(O)NC(Ar)NNC(Ar)=NSO₂Ph (Ar = 4-CH₃C₆H₄) and
MeSO₂N(4-CH₃C₆H₄)CN=N(C₆H₄ CH₃-4) NSO₂Me

V. Chandrasekhar, T. Chivers, L. Ellis, I. Krouse, M. Parvez, I. Vargas Baca
Can. J. Chem. **1997**, *75*, 1188-1194

72. Experimental and Theoretical Studies on 1,4,5,7-Dithiadiazapinyl Radicals:
Preparation and X-ray Structure of (5-(trimethylsilyl)tetrachlorobenzeno-1,4,5,7-
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