

2008:

1. Single Source Heterobimetallic Precursors for the Deposition of Cu-Ti Mixed Metal Oxide Thin Films, Asif Ali Tahir, Mazhar Hamid, Muhammad Mazhar, Matthias Zeller, Allen D. Hunter, Muhammad Nadeem, Muhammad Javed Akhtar, *Dalton Trans.* **2008**, 1224-1232.
2. Dialkylbiarylphosphine Complexes of Gold(I) Halides. Gold-Aryl π -Interactions in the Solid State. Partyka, David V.; Robilotto, Thomas J.; Zeller, Matthias; Hunter, Allen D.; Gray, Thomas G., *Organometallics* **2008**, 27(1), 28-32.
3. Triethynylphosphine oxide. Kallamadi, Ramnath; Jackson, John A.; Zeller, Matthias, *Acta Cryst E* **2007**, E63(12), o4563.
4. Crystal Structure of 2,8,14,20-tert-Butylpyrogallol[4]arene, Dueno, Eric E.; Hunter, Allen D.; Zeller, Matthias; Ray, Thomas A.; Salvatore, Ralph N.; Zambrano, Cesar H. *J. Chem. Cryst.* **2008**, 38(3), 181-187.
5. A new two-dimensional AgI coordination polymer with Ag...C interactions: Thermal, fluorescence, structural and solution studies. Akhbari, Kamran; Morsali, Ali; Rafiei, Shahnaz; Zeller, Matthias. *J. Organometal. Chem.* **2008**, 693(2), 257-262.
6. Bis(diphenylphosphino)methane Induces Unusual Cyclometalation of Thiophene and Phenyl Rings (R) at the C2 Carbon of Thiosemicarbazones {R-C₂(H) = N₃-N₂H-C(=S)-N₁H₂} in Ruthenium(II) Complexes. Lobana, Tarlok S.; Bawa, Gagandeep; Castineiras, A.; Butcher, Ray J.; Zeller, M.. *Organometallics* **2008**, 27(2), 175-180.
7. Novel homochiral holodirected three-dimensional lead(II) coordination polymer, [Pb₂(μ -bpa)₃(μ -NO₃)₂(NO₃)₂]_n: Spectroscopic, thermal, fluorescence and structural studies, Alireza Aslani, Ali Morsali and Matthias Zeller, *Solid State Sciences*, **2008**, 10(7), 854-858.
8. Synthesis, crystal structure and biological activities of dehydroacetic acid complexes of Ru(II) and Ru(III) containing PPh₃/AsPh₃, N. Chitrapriya, V. Mahalingam, M. Zeller, R. Jayabalan, K. Swaminathan and K. Natarajan, *Polyhedron* **2008**, 27(3), 939-946.
9. Coordination behaviour of ferrocenylthiosemicarbazone in a novel hetero trinuclear nickel(II) complex: Synthesis, spectral, electrochemistry and X- ray crystallography, R. Prabhakaran, R. Huang, S.V. Renukadevi, R. Karvembu, M. Zeller and K. Natarajan, *Inorg. Chim. Acta* **2008**, 361(8), 2547-2552.
10. Mercury(II) bromide/iodide coordination polymers by self-assembly of a long flexible Schiff base ligand, Ghodrat Mahmoudi, Ali Morsali and Matthias Zeller, *Solid State Sciences* **2008**, 10(3), 283-290.
11. Nano-structures of Two New Lead(II) coordination polymers; New Precursors For Preparation of PbS Nano-structures, Alireza Aslani, Ali Morsali and Matthias Zeller, *Solid State Sciences* **2008**, 10(11), 1591-1597.
12. A Three-dimensional AgI Coordination Polymer Constructed via η^2 Ag-C Bonds: Thermal, Fluorescence, Structural and Solution Studies, Robabeh Bashiri, Kamran Akhbari, Ali Morsali and Matthias Zeller, *J. Organomet. Chem.* **2008**, 693(10), 1903-1911.
13. Novel Ru(II) oximate Complexes with Silent oxygen atom: Synthesis, Chemistry and Biological activities, Nataraj Chitrapriya, Viswanathan Mahalingam, Landry C Channels, Matthias Zeller, Frank R. Fronczek and Karuppanan Natarajan, *Inorg. Chim. Acta* **2008**, 361(9-10), 2841-2850.
14. Reversible shrinkage and expansion of a blue photofluorescent cadmium coordination polymer and in situ tetrazole ligand synthesis. Deng, Hong; Qiu, Yong-Cai; Li, Ying-Hua; Liu, Zhi-Hui; Zeng, Rong-Hua; Zeller, Matthias; Batten, Stuart R. *Chem. Commun.* **2008**, 2239-2241.
15. Synthesis, characterization and crystal structures of cyclometalated Ru(II) carbonyl complexes formed by hydrazones. Chitrapriya, Nataraj; Mahalingam, Viswanathan; Zeller, Matthias; Natarajan, Karuppanan. *Polyhedron* **2008**, 27(6), 1573-1580.

16. CuCN Pillars Induce Face-to-Face π -Overlap of Anthracene-Based Thioether Molecules within a Hybrid Coordination Network. Sun, Yan-Qiong; Tsang, Chun-Kwan; Xu, Zhengtao; Huang, Guo; He, Jun; Zhou, Xiao-Ping; Zeller, Matthias; Hunter, Allen D. *Crystal Growth & Design* **2008**, *8*(5), 1468-1470.
17. The influence of substituents at C2 carbon atom of thiosemicarbazones {R(H)C2=N3-N2(H)-C1(=S)-N1H2} on their dentacy in PtII/PdII complexes: synthesis, spectroscopy, and crystal structures, Lobana, Tarlok S.; Bawa, Gagandeep; Hundal, Geeta; Zeller, M., *Z. Anorg. Allgem. Chem.* **2008**, *634*(5), 931-937.
18. Construction of an Unusual Three-dimensional Transition-Metal Lanthanide Ln/Cu(Br/Cl) Coordination Polymer with Isonicotinate as the Single Ligand, Hong Deng, Zhihui Liu, Yongcai Qiu, Yinghua Li, Matthias Zeller, *Inorg. Chem. Commun.* **2008**, *11*(9), 978-981.
19. The influence of the substituents at N¹ nitrogen on geometry of nickel(II) complexes with heterocyclic thiosemicarbazones, Tarlok S. Lobana, Poonam Kumari, Matthias Zeller, Ray J. Butcher, *Inorg. Chem. Commun.* **2008**, *11*(9), 972-974.
20. Rhodium(II)-catalyzed decomposition of 3-O-(2-diazo-2-phenylacetyl)-1,2;5,6-di-O-isopropylidene- α -D-allofuranose: diastereoselective ether formation, Iulia A. Sacui, Matthias Zeller, Peter Norris, *Carbohydrate Research* **2008**, *343*(10-11), 1819-1823.
21. Synthesis of New Copper Cyanide complexes via the Transformation of Organonitrile to Inorganic Cyanide, Deng, Hong; Qiu, Yongcai; Daiguebonne, Carole; Kerbellec, Nicolas; Guillou, Olivier; Zeller, Matthias; Batten, Stuart R. *Inorg. Chem.* **2008**, *47*(13), 5866-5872.
22. Dinuclear copper(II) complexes with bis-thiocarbohydrazone ligands, Diana Dragancea, Anthony W. Addison, Matthias Zeller, Laurence K. Thompson, Dushyanthi Hoole, Mihail D. Revenco & Allen D. Hunter, *Eur. J. Inorg. Chem.* **2008**, *16*, 2530-2536.
23. 7,8,9,10-Tetrahydro-2-methylcyclohepta[b]indol-6(5H)-one. Sridharan, Makuteswaran; Prasad, Karnam J. Rajendra; Ngendahimana, Aimable; Zeller, Matthias. *Acta Cryst. E* **2008**, *E64*(7), o1207.
24. Spectroscopic, thermal and structural studies of a new mercury(II) one-dimensional coordination polymer, [Hg(3-bpo)₂(SCN)₂], 3-bpo = 2,5-bis(3-pyridyl)-1,3,4-oxadiazole. Fard-Jahromi, Mohammad Jafar Soltanian; Morsali, Ali; Zeller, Matthias. *J. Coord. Chem.* **2008**, *61*(14), 2227-2233.
25. Reversible Anion Exchange and Sensing in Large Porous Materials Built from 4,4'-Bipyridine via π - π and H-Bonding Interactions. Qiu, Yongcai; Liu, Zhihui; Li, Yinghua; Deng, Hong; Zeng, Ronghua; Zeller, Matthias. *Inorg. Chem.* **2008**, *47*(12), 5122-5128.
26. A three-dimensional AgI coordination polymer constructed via η^2 Ag-C bonds: Thermal, fluorescence, structural and solution studies. Bashiri, Robabeh; Akhbari, Kamran; Morsali, Ali; Zeller, Matthias. *J. Organometal. Chem.* **2008**, *693*(10), 1903-1911.
27. Beckmann rearrangement of cyclotrimeratrylene (CTV) oxime: tandem Beckmann-electrophilic aromatic addition, Marlon R. Lutz Jr., Matthias Zeller, Daniel P. Becker, *Tetrahedron Let.* **2008**, *49*(34), 5003-5005.
28. Coordination Networks from a Bifunctional Molecule Containing Carboxyl and Thioether Groups. Zhou, Xiao-Ping; Xu, Zhengtao; Zeller, Matthias; Hunter, Allen D.; Chui, Stephen Sin-Yin; Che, Chi-Ming. *Inorg. Chem.* **2008**, *47*(17), 7459-7461.
29. Construction of isostructural Ln-Ag (Ln = Eu; Tb; Dy) nano-channel heterometallic coordination frameworks based on pyrazine-2-carboxylate and oxalate ligands Hong Deng, Ying-Hua Li, Yong-Cai Qiu, Zhi-Hui Liu, Matthias Zeller, *Inorg. Chem. Commun.* **2008**, *11*(10), 1151-1154.
30. Dynamic crystal-to-crystal conversion of a 3D-3D coordination polymer by de- and re-hydration. Aslani, Alireza; Morsali, Ali; Zeller, Matthias, *Dalton Trans.* **2008**, *38*, 5173-5177.

31. Pyridine Adducts of Nickel(II) Xanthates as Single-Source Precursors for the Aerosol-Assisted Chemical Vapor Deposition of Nickel Sulfide. Alam, Naveed; Hill, Michael S.; Kociok-Kohn, Gabriele; Zeller, Matthias; Mazhar, Muhammad; Molloy, Kieran C., *Chemistry of Materials* **2008**, 20(19), 6157-6162.
32. A porphyrin complex of Gold(I): (phosphine)gold(I) azides as cation precursors. Partyka, David V.; Robilotto, Thomas J.; Zeller, Matthias; Hunter, Allen D.; Gray, Thomas G., *Proceedings of the National Academy of Sciences of the United States of America*, Early Edition **2008**, (Sept 9 2008), 1-5.
33. A porphyrin complex of Gold(I): (phosphine)gold(I) azides as cation precursors. Partyka, David V.; Robilotto, Thomas J.; Zeller, Matthias; Hunter, Allen D.; Gray, Thomas G., *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105(38), 14293-14297.
34. Di- μ -bromido-bis[bromido(di-2-pyridylmethanediol- $\kappa^2 N,N$)copper(II)] dihydrate, B. L. Westcott, K. M. Kopp-Vaughn, L. M. Daniels and M. Zeller, *Acta Cryst. E* **2008**, E64, m1122-m1123.
35. *catena*-Poly[[μ -bromido-(μ -hydroxydi-2-pyridylmethanolato- $\kappa^4 N,O,O,N$)dicopper(II)(*Cu-Cu*)]-di- μ -bromido], M. Zeller, B. L. Westcott, K. M. Kopp-Vaughn and A. D. Hunter, *Acta Cryst. E* **2008**, E64, m1121.
36. Structural Investigations of Novel Indoloacridines, Makuteswaran Sridharan, Karnam Jayarampillai Rajendra Prasad, Aimable Ngendahimana and Matthias Zeller, *J. Chem Cryst.* **2008**, in press.
37. Spectroscopic, Thermal and Structural Studies of a New Mercury(II) Complex of 4'-(4-Pyridyl)-2,2':6',2''-terpyridine (Pyterpy) Ligand, [Hg (Hpyterpy)(SCN)₂](MeSO₄)₂ G. Mahmoudia, A. Morsalia, and M. Zeller, *J. Iran. Chem. Soc.* **2008**, 5(4), in press.
38. Syntheses of pyrazolo-, isoxazolo-, pyrido- and pyrimido-carbazoles from 2-(3',4'-dimethoxybenzylidene)-2,3,4,9-tetrahydrocarbazol-1-ones. Makuteswaran Sridharan, Lucas K. Beagle, Matthias Zeller and Karnam Jayarampillai Rajendra Prasad, *J. Chem. Res.* **2008**, 572-577.
39. 2,2-Dimethyl-2,3-dihydropyrano[2,3-*a*]carbazol-4(11H)-one, Makuteswaran Sridharan, Karnam J. Rajendra Prasad, Aimable, Ngendahimana and Matthias Zeller, *Acta Cryst. E* **2008**, E64, o2155.
40. 2,2,9-Trimethyl-2,3-dihydropyrano[2,3-*a*]carbazol-4-(11H)-one, Makuteswaran Sridharan, Karnam J. Rajendra Prasad and Matthias Zeller, *Acta Cryst. E* **2008**, E64, o2156.
41. 2,2,10-Trimethyl-2,3-dihydropyrano[2,3-*a*]carbazol-4(11H)-one Makuteswaran Sridharan, Karnam J. Rajendra Prasad, Aimable, Ngendahimana and Matthias Zeller, *Acta Cryst. E* **2008**, E64, o2157.
42. Construction of three-dimensional Ln-Ag (Ln=Eu; Tm) coordination polymers based on isonicotinate and oxalate ligands. Mou, Ji-Xia; Zeng, Rong-Hua; Qiu, Yong-Cai; Zhang, Wei-Guang; Deng, Hong; Zeller, Matthias. *Inorg. Chem. Commun.* **2008**, 11(11), 1347-1351.
43. Synthesis, structures and luminescent properties of 4d-4f heterometallic coordination frameworks based on lanthanide oxalate substructures with nicotinate bridging ligands. Liu, Zhi-Hui; Qiu, Yong-Cai; Li, Ying-Hua; Deng, Hong; Zeller, Matthias. *Polyhedron* **2008**, 27(17), 3493-3499.
44. Three-dimensional hemidirected mixed-ligand lead(II) coordination polymer, [Pb₂(bpa)₂(SCN)₃(NO₃)_n] (bpa = 1,2-di(4-pyridyl)ethane). Abedini, Jafar; Morsali, Ali; Zeller, Matthias; *Z. Anorg. Allg. Chem.* **2008**, 634(14), 2659-2662.
45. Lash, Timothy D.; Young, Alexandra M.; Von Ruden, Amber L.; Ferrence, Gregory M.. Adding to the confusion Synthesis and metalation of pyrazole analogues of the porphyrins. *Chem. Commun.* **2008**, 47, 6309-6311.
46. Addison, Lacey D.; Dore, Delvis D.; Hitchcock, Shawn R.; Ferrence, Gregory M.. (4R,5S)-5-Benzyl-4-isopropyl-1,3,4-oxadiazinan-2-one. *Acta Cryst E* **2008**, E64(6), o1040-o1041, o1040/1-o1040/13.
47. Grossie, David A.; Fossum, Eric; Elsen, Andrea; Meyer, Tricia. 3,5-Difluorophenyl phenyl sulfone. *Acta Cryst E* **2008**, E64(11), o2207.

48. Bis{[(η^5)-cyclopentadienyl]tris(diethyl phosphito- $\kappa^3 P, P, P'$)cobaltate(III)- $\kappa^3 O, O, O'$]oxovanadium(IV)}- μ -oxalate, C. C. McLauchlan and A. E. Anderson, *Acta Cryst.* **2008**, E64, m1129-m1130
49. 1,3-Di-1-adamantylimidazolium (phthalocyaninato)lithium(I) acetone hemisolvate monohydrate, D. A. Grossie, W. A. Feld and J. Kelley, *Acta Cryst.* **2009**, E65, m72.