CURRICULUM VITAE

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Appointment & Educational Background

2018 –	Associate Professor, John Jay College & The Graduate Center, City University of New York
2014 –	Assistant Professor, The Graduate Center, City University of New York, New York
2013 –	Assistant Professor, John Jay College of Criminal Justice, City University of New York
2011 – 2013	Director's Postdoc Fellow, Los Alamos National Laboratory, New Mexico, US
2010 – 2011	Novartis Foundation Fellow, Novartis & University of Basel, Switzerland
2006 – 2010	Postdoctoral Research Associate, University of Basel, Switzerland
2001 – 2006	Ph.D., Chemistry, Institute of Chemistry, Chinese Academy of Sciences, China
1997 – 2001	B.S., Chemistry, Wuhan University, China

Awards and Honors

2015	Faculty Recognition Award for Scholarly Excellence at CUNY John Jay College
2014	CUNY "Salute to Scholars" Reception
2014	CUNY Collaborative Research Award
2014	American Chemical Society-Petroleum Research Fund New Investigator Award
2011	Director's Postdoc Fellowship Award, Los Alamos National Laboratory, Los Alamos, NM
2010	Novartis Foundation Fellowship Award, Novartis Pharma AG, Switzerland
2009	'Reisefund' (travel award), University of Basel, Switzerland
2006	President Award in Research, Chinese Academy of Sciences, China
2005	CAIA Technology Award, the 11th Academic Report Meeting of Analysis and Measurement in Beijing (BCEIA 2005), China
2004 – 2006	Outstanding Research Scholarship, Institute of Chemistry, Chinese Academy of Sciences

2004	Best Paper Award at the 24th Annual Meeting of the Chinese Chemical Society, China
1998 – 2000	Outstanding Student Scholarship, Wuhan University, China

Professional Activities

2017 –	Editorial Board member of the journal "*Polyhedron*" published by Elsevier
2017 –	Invited proposal reviewer for *the American Chemical Society Petroleum Research Fund*
2016 –	Invited reviewer for the *2016 Reaxy PhD Prize*
2016	Session Chair at the *ACS MARM 2016 Conference*
2017	Session Chair at the *2017 Spring International Conference on Chemical Engineering*
2016 –	Advisory Board Member of PRISM program at John Jay
2011 –	Member of American Chemical Society
2007 – 2011	Member of Swiss Chemical Society
2003 – 2006	Member of Chinese Chemical Society

Teaching Experience

Fall 2013-present	**Courses taught**: Organic Chemistry I (CHE201), Organic Chemistry II (CHE202), Forensic Science Internship (FOS402) **New Course Developed**: Inorganic Chemistry (CHE361)

Patents

2017	Hanson, Susan K., Guoqi Zhang, and Kalyan V. Vasudevan. "Catalytic hydrogenation using complexes of base metals with tridentate ligands." U.S. Patent No. 9,566,577. 14 Feb. 2017.
2016	Vasudevan, Kalyan V., Guoqi Zhang, and Susan K. Hanson. "Catalytic hydrogenation using complexes of base metals with tridentate ligands." U.S. Patent No. 9,434,666. 6 Sep. 2016.

Publications (Peer-Reviewed Journal Articles)

(* Denotes corresponding author; Undergraduate co-authors are underlined)

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2019

112. Haisu Zeng, Jing Wu, Sihan Li, Christina Hui, Anita Ta, Shu-Yuan Cheng,* Shengping Zheng,* **Guoqi Zhang**,* "Copper(II)-Catalyzed Selective Hydroboration of Ketones and Aldehydes", *Org. Lett.* **2019**, *21*, 401-406.

111. **Guoqi Zhang**,* Jing Wu, Haisu Zeng, Michelle C. Neary, Matthew Devany, Shengping Zheng, Pavel A. Dub,* "Dearomatization and Functionalization of Terpyridine Ligands Leading to Unprecedented

Zwitterionic Meisenheimer Aluminum Complexes and Their Use in Catalytic Hydroboration", *ACS Catal.* **2019**, *9*, 874-884.

2018

110. **Guoqi Zhang**,* Jing Wu, Sihan Li, Sean Cass, Shengping Zheng, "Markovnikov-Selective Hydroboration of Vinylarenes by a Cobalt(II) Coordination Polymer ", *Org. Lett.* **2018**, 20, 7893-7897.

109. Jing Wu, Haisu Zeng, Jessica Cheng, Shengping Zheng, James A. Golen, David R. Manke, **Guoqi Zhang**,* "Cobalt(II) Coordination Polymer as a Precatalyst for Selective Hydroboration of Aldehydes, Ketones, and Imines", *J. Org. Chem.* **2018**, *83*, 9442-9448.

108. Li Li, E Liu, Jessica Cheng, **Guoqi Zhang**,* "Iron(II) coordination polymer catalyzed hydroboration of ketones", *Dalton Trans*. **2018**, *47*, 9579-9584.

107. Xianbo Shen, Qi Zhang, **Guoqi Zhang**, Jianli Wang, "Significant and Synergistic Intensification of Aerobic Oxidation of Activated Alcohols in Water at Ambient Condition by Adding Perfluoro-Surfactant", *ChemistrySelect* **2018**, *3*, 7856-7861.

2017

106. **Guoqi Zhang**,* Jing Wu, Haisu Zeng, Jessica Cheng, Michelle C. Neary, Shengping Zheng, "Cobalt-catalyzed regioselective hydroboration of terminal alkenes", *Eur. J. Org. Chem.* **2017**, 5814-5818.

105. E Liu, Li Li, Hangxing Xiong, Corinna Chan, Jessica Cheng, **Guoqi Zhang**,* "Anchoring pyrazolines on a 2,2':6',2"-terpyridine backbone", *J. Mol. Struct.* **2017**, *132*, 64-69.

104. Li Li, E Liu, Hangxing Xiong, Corinna Chan, David R. Manke, James A. Golen, **Guoqi Zhang**,* "Mononuclear, dinuclear and polymeric cobalt(II) complexes built on 4-aryl-2,6-bis(2'-pyrazinyl)pyridines", *Polyhedron* **2017**, *132*, 64-69.

103. Hangxing Xiong, Li Li, E Liu, Jessica Cheng, **Guoqi Zhang**,* "A chiral multidentate salan-supported heterobimetallic catalyst for asymmetric Friedel-Crafts reaction", *Inorg. Chem. Commun*. **2017**, *84*, 24-27.

102. E Liu, Hangxing Xiong, Li Li, Chengxiong Yang, Zhiwei Yin, Anthony Chang, David R. Manke, James A. Golen, **Guoqi Zhang**,* "Facile synthesis of new divergent imidazole-containing ligands for a 1-D cobalt(II) coordination polymer", *Polyhedron* **2017**, *127*, 355-360.

101. **Guoqi Zhang**,* Jing Wu, Haisu Zeng, Shu Zhang, Zhiwei Yin, Shengping Zheng, "Cobalt-catalyzed α-alkylation of ketones with primary alcohols", *Org. Lett.* **2017**, *19*, 1080-1083. (citations: 36, highly cited paper)

100. Hangxing Xiong, Li Li, E Liu, Chengxiong Yang, Yuan Zhuo Zhang, James C. Fettinger, **Guoqi Zhang**,* "Silver(I) coordination polymers with thioether ligands: the influence of fluoro-substitution", *Polyhedron* **2017**, *126*, 268-275.

99. Hangxing Xiong, Li Li, E Liu, Chengxiong Yang, Yuan Zhuo Zhang, James C. Fettinger, **Guoqi Zhang**,* "Anion-dependent assembly of diverse 1D-3D silver(I) coordination networks with a thioether ligand", *Polyhedron* **2017**, *123*, 226-233.

2016

98. **Guoqi Zhang**,* Haisu Zeng, Jing Wu, Zhiwei Yin, Shengping Zheng,* James C. Fettinger, "Highly selective hydroboration of alkenes, ketones and aldehydes catalyzed by a well-defined manganese complex", *Angew. Chem. Int. Ed.* **2016**, 55, 14369-14372. (citations: 49, highly cited paper)

97. Zhiwei Yin, Haisu Zeng, Jing Wu, Shengping Zheng,* **Guoqi Zhang**,* "Cobalt-catalyzed synthesis of aromatic, aliphatic, and cyclic secondary amines via a 'hydrogen-borrowing' strategy", *ACS Catal.* **2016**, *6*, 6546-6550. (citations: 43, highly cited paper)

96. Yue He, Jincheng Mao,* Guangwei Rong, Hong Yan, **Guoqi Zhang**,* "Ligand-free, Cu-and Fe-catalyzed selective ring-opening arylations of benzoxazoles with aryl iodides", *Chem. Asia. J.* **2016**, *11*, 1672-1676.

95. **Guoqi Zhang**,* Zhiwei Yin, Jiawen Tan, "Cobalt-catalysed transfer hydrogenation of olefins", *RSC Adv.* **2016**, *6*, 22419-22423.

94. **Guoqi Zhang**,* Zhiwei Yin, Shengping Zheng, "Cobalt-catalyzed N-alkylation of amines with alcohols", *Org. Lett.* **2016**, *18*, 300-303. (citations: 75, highly cited paper)

93. Jincheng Mao,* Hong Yan, Guangwei Rong, Yue He, **Guoqi Zhang**,* "The application of copper/iron co-catalysis in cross coupling reactions", *The Chem. Rec.* **2016**, *16*, 1096-1605.

92. Li Li, Yuan Zhuo Zhang, Chengxiong Yang, E Liu, James A. Golen, Arnold L. Rheingold, **Guoqi Zhang**,* "Synthesis and structural characterization of zinc(II) and cobalt(II) complexes based on multidentate hydrazone ligands", *J. Mol. Struct.* **2016**, *1110*, 180-184.

91. **Guoqi Zhang**,* Jiawen Tan, Tonya Phoenix, David R. Manke, James A. Golen, Arnold L. Rheingold, "Amalgamating 4'-substituted 4,2':6',4"-terpyridine ligands with double-helical chains or ladder-like networks", *RSC Adv.* **2016**, *6*, 9270-9277.

90. Li Li, Yuan Zhuo Zhang, Chengxiong Yang, E Liu, James C. Fettinger, **Guoqi Zhang**,* "Two polymorphs of 4-(4-hexyloxyphenyl)-2,6-di(pyrazin-2-yl)pyridine and the crystal structure of its copper(II) complex", *J. Mol. Struct.* **2016**, *1110*, 19-23.

89. Qingliang He, Ting-Ting Yuan, Yiran Wang, Abhishant Guleria, Suying Wei,* **Guoqi Zhang**,* Luyi Sun, Jingjing Liu, Jingfang Yu, David P. Young, Hongfei Lin, Airat Khasanov, Zhanhu Guo,* "Manipulating dimensional assembly pattern and crystalline structure of iron oxide nanostructures with functional polyolefin", *Nanoscale,* **2016**, *8*, 1915-1920.

88. Li Li, Yuan Zhuo Zhang, E Liu, Chengxiong Yang, James A. Golen, **Guoqi Zhang**,* "One-dimensional copper(II) coordination polymers built on 4'-substituted 4,2':6',4"- and 3,2':6',3"-terpyridines: syntheses, structures and catalytic properties", *Polyhedron* **2016**, *105*, 115-122.

87. **Guoqi Zhang**,* Yuan Zhuo Zhang, Wenfeng Lo, Jianfeng Jiang, James A. Golen, Arnold L. Rheingold, "Diverse copper(II) complexes with simple nitrogen ligands: Structural characterization and applications in aerobic alcohol oxidations in water", *Polyhedron* **2016**, *103*, 227-234. (*Cover Picture*; Special issue dedicated to Prof. Catherine E. Housecroft)

2015

86. Jie Chen, Jincheng Mao,* Yue He, Daqing Shi, **Guoqi Zhang**,* "$AlCl_3$-promoted thiolation of acyl C–H bonds with arylsulfonyl hydrazides", *Tetrahedron* **2015**, *71*, 9496-9500.

85. Ren-Rong Liu, Dan-Jie Wang, Liang Wu, Bin Xiang, **Guoqi Zhang**, Jian-Rong Gao, Yi-Xia Jia, "Nickel-catalyzed enantioselective addition of styrenes to cyclic N-sulfonyl α-ketiminoesters", *ACS Catal*. **2015**, *5*, 6524-6528.

84. Jincheng Mao,* Defu Liu, Yongming Li, Jinzhou Zhao, Guangwei Rong, Hong Yan, **Guoqi Zhang**,* "A practical, chemoselective approach to O-methylation of carboxylic acids with dimethyl malonate", *Tetrahedron* **2015**, *71*, 9067-9072.

83. Zhiwei Yin, Shengguo Zhang, Shengping Zheng, James A. Golen, Arnold L. Rheingold, **Guoqi Zhang**,* "Cobalt(II) coordination polymers versus discrete complex with 4,2':6',4"-terpyridine ligands: the role of a pyrenyl substituent", *Polyhedron* **2015**, *101*, 139-145.

82. E. Liu, Yuan Zhuo Zhang, Chengxiong Yang, Li Li, James C. Fettinger, **Guoqi Zhang**,* "New copper(II) species from copper/2,2′-bypyridine and copper/4-dimethylaminopyridine catalyzed aerobic alcohol oxidations", *Polyhedron* **2015**, *95*, 223-229.

81. **Guoqi Zhang**,* Jiawen Tan, Yuan Zhuo Zhang, Christine Ta, Stephanie Sanchez, Shu-Yuan Cheng,* James A. Golen, Arnold L. Rheingold, "Syntheses, structures and cytotoxicity of cobalt(II) complexes with 4'-chloro-2,2':6',2''-terpyridine", *Inorg. Chim. Acta* **2015**, *435*, 147-152.

80. Jincheng Mao,* Defu Liu, Yongming Li, Jinzhou Zhao, Guangwei Rong, Hong Yan, **Guoqi Zhang**,* "Temperature-controlled NaI-mediated α-oxybenzoylation or oxyacylation-decarboxylation reactions of dimethyl malonate with carboxylic acids", *Catal. Commun*. **2015**, *70*, 62-65.

79. E. Liu, Yuan Zhuo Zhang, Jia-Wen Tan, Chengxiong Yang, Li Li, James A. Golen, Arnold L. Rheingold, **Guoqi Zhang**,* "Zn(II) and Co(III) metallosupramolecular assemblies derived from a rigid bis-Schiff base ligand", *Polyhedron* **2015**, *102*, 41-47.

78. Guangwei Rong, Jincheng Mao,* Hong Yan, Yang Zheng, and **Guoqi Zhang**,* "Phosphoric acid-mediated synthesis of vinyl sulfones through decarboxylative coupling reactions of sodium sulfinates with phenylpropiolic acids", *J. Org. Chem.* **2015**, *80*, 7652-7657.

77. Yue He, Jincheng Mao,* Guangwei Rong, Hong Yan, **Guoqi Zhang**,* "Iron-catalyzed esterification of benzyl C-H to form α-keto benzyl esters", *Adv. Synth. Catal.* **2015**, *357*, 2125-2131.

76. Guangwei Rong, Jincheng Mao,* Hong Yan, Yang Zheng, **Guoqi Zhang**,* "Iron/copper co-catalyzed synthesis of vinyl sulfones from sulfonyl hydrazides and alkyne derivatives", *J. Org. Chem.* **2015**, *80*, 4697-4703. (citations: 60, highly cited paper)

75. Zhiwei Yin, **Guoqi Zhang,*** Shengping Zheng, Tonya Phoenix, James C. Fettinger, "Assembling mono-, di- and tri-nuclear coordination complexes with a ditopic analogue of 2,2':6',2"-terpyridine: syntheses, structures and catalytic studies", *RSC Advances*, **2015**, *5*, 36156-36166.

74. Liang Wu, Ren-Rong Liu, **Guoqi Zhang**, Dan-Jie Wang, Hao Wu, Jianrong Gao, Yi-Xia Jia, "Enantioselective Construction of Cyclic Indolyl a-Amino Esters *via* a Friedel–Crafts Alkylation Reaction", *Adv. Synth. Catal.* **2015**, *357*, 709-713.

73. **Guoqi Zhang**,* Yi-Xia Jia, Wenbo Chen,* Wenfeng Lo, Nyeisha Brathwaite, James A. Golen, Arnold L. Rheingold, "Diverse zinc(II) coordination assembles built on divergent 4,2':6',4"-terpyridine derivatives: syntheses, structures and catalytic properties", *RSC Advances.* **2015**, *5*, 15870-15879.

72. Kegang Liu, **Guoqi Zhang**,* "Direct asymmetric aldol reactions in aqueous media catalyzed by a β-cyclodextrin–proline conjugate with a urea linker" *Tetrahed. Lett.* **2015**, *56*, 243-246.

71. **Guoqi Zhang**,* E Liu, Chengxiong Yang, Li Li, James A. Golen, Arnold L. Rheingold, "Copper(II) complexes of 2,2':6',2"-terpyridine derivatives for catalytic aerobic alcohol oxidations: observation of mixed-valence $Cu^{I}Cu^{II}$ assembles", *Eur. J. Inorg. Chem.* **2015**, 939-947.

70. **Guoqi Zhang**,* Li Li, Chengxiong Yang, E Liu,* James A. Golen, Arnold L. Rheingold, "Copper(II) complexes derived from bidentate N,O-ligands for catalytic aerobic oxidation", *Inorg. Chem. Commun.,* **2015**, *51*, 13-16.

69. Qing Li, Hengyu Pan, Drew Higgins, Ruiguo Cao, **Guoqi Zhang**, Haifeng Lv, Kangbing Wu, Jaephil Cho, Gang Wu, "Oxygen-reduction active large-diameter nitrogen-doped graphene tubes to support Pt nanoparticles for a hybrid cathode catalyst", *Small* **2015**, *11*, 1443-1452. (citations: 114, highly cited paper)

68. Guangwei Rong, Defu Liu, Hong Yan, Jie Chen, Yang Zheng, **Guoqi Zhang**,* Jincheng Mao,* A Practical way to prepare isobutyronitrile amides through reactions between carboxylic acids and AIBN", *Adv. Synth. Catal.* **2015**, *357*, 71-76.

2014

67. **Guoqi Zhang**,* Chengxiong Yang, Li Li,* E Liu,* James A. Golen, Arnold L. Rheingold, "Mild, green copper/4-dimethylaminopyridine catalysed aerobic oxidation of alcohols mediated by nitroxyl radicals in water", *RSC Advances* **2014**, *4*, 61907-61911.

66. **Guoqi Zhang**,* Christine Ta, Shu-Yuan Cheng, James A. Golen, Arnold L. Rheingold , "Clicking thiourea into a salen scaffold: structures and cytotoxicity of cobalt(II) and nickel(II) complexes", *Inorg. Chem. Commun.*, **2014**, *48*, 127-130.

65. **Guoqi Zhang**,* Gloria Proni, Sherry Zhao, Edwin C. Constable, Catherine E. Housecroft, Jennifer A. Zampese, Markus Neuburger, "Chiral tetranuclear and dinuclear copper(II) complexes for TEMPO-mediated aerobic oxidation of alcohols: are four metal centres better than two?", *Dalton Trans.* **2014**, *43*, 12313-12320.

64. **Guoqi Zhang**,* Qing Li, "Hydrogen bonding or deprotonation: on fluoride ion fluorescence sensing with 1, 1'-bi-2-naphthol derivatives", *Supramol. Chem.* **2014**, 26, 817-824.

63. **Guoqi Zhang**,* Edwin C. Constable, Catherine E. Housecroft, Jennifer A. Zampese, "Assembling chiral salan-copper(II) complexes into a 2D-network with carboxylic acid functionalization", *Inorg. Chem. Commun.*, **2014**, *43*, 51-55.

62. Qing Li, Ping Xu,* Wei Gao, Shuguo Ma, **Guoqi Zhang**,* Ruiguo Cao, Jaephil Cho, Hsing-Lin Wang, Gang Wu,* "Carbon-nanotubes/graphene nanocomposite derived from cage-containing metal-organic framework for oxygen reduction in nonaqueous Li-O_2 battery cathodes", *Adv. Mater.* **2014**, *26*, 1378-1386. (citations: 225, highly cited paper)

61. **Guoqi Zhang**,* "A trinuclear Cu_2Eu complex catalyzed asymmetric Friedel-Crafts alkylations of indoles with nitroalkenes", *Inorg. Chem. Commun.*, **2014**, *40*, 1-4.

60. **Guoqi Zhang**,* Qing Li, Gloria Proni, "One-pot diastereoselective assembly of helicates based on a chiral salen scaffold", *Inorg. Chem. Commun.*, **2014**, *40*, 47-50.

59. **Guoqi Zhang**,* "Polymorphism in unusual one-dimensional coordination polymers based on cadmium(II) and 2-mercaptopyridine-*N*-oxide", *CrystEngComm* **2013**, *15*, 6453-6456.

Prior to Joining John Jay

58. **Guoqi Zhang**, Kalyan V. Vasudevan, Brian L. Scott, Susan K. Hanson, "Understanding the mechanisms of cobalt-catalyzed hydrogenation and dehydrogenation reactions", *J. Am. Chem. Soc.* **2013**, *135*, 8668-8681. (citations: 158, highly cited paper)

57. **Guoqi Zhang**, Susan K. Hanson, "Cobalt-catalyzed transfer hydrogenation of C=O and C=N bonds", *Chem. Commun.* **2013**, *49*, 10151-10153. (citations: 58, highly cited paper)

56. **Guoqi Zhang**, Susan K. Hanson, "Cobalt-catalyzed acceptorless dehydrogenation: synthesis of imines from alcohols and amines", *Org. Lett.* **2013**, 15, 650-653. (citations: 138, highly cited paper)

55. **Guoqi Zhang**, Brian L. Scott, Susan K. Hanson, "Mild and homogeneous cobalt-catalyzed hydrogenation of C=C, C=O, and C=N bonds", *Angew. Chem. Int. Ed.* **2012**, *51*, 12102-12106. ("VIP" paper; Highlighted as a *Cover Picture*; citations: 179, highly cited paper)

54. **Guoqi Zhang**, Brian L. Scott, Ruilian Wu, Louis A. 'Pete' Silks, Susan K. Hanson, "Catalytic aerobic oxidation of lignin models by vanadium(V) complexes of bis(phenolate) ligands", *Inorg. Chem.* **2012**, *51*, 7354-7361.

53. Edwin C. Constable, Catherine E. Housecroft, Jennifer A. Zampese, **Guoqi Zhang**, "Multinuclear zinc(II) complexes with $\{Zn_6(\mu\text{-}O)_6(\mu_3\text{-}O)_2\}$- and $\{Zn_5(\mu\text{-}O)_3(\mu_3\text{-}O)_3\}$-cluster cores", *Polyhedron* **2012**, *44*, 150-155.

52. Edwin C. Constable, Catherine E. Housecroft, Markus Neuburger, Jennifer A. Zampese, **Guoqi Zhang**, "Cobalt(II) coordination polymers with 4'-substituted 4,2':6',4''- and 3,2':6',3''-terpyridines: engineering a switch from planar to undulating chains and sheets", *CrystEngComm.* **2012**, *14*, 3554-3563.

51. **Guoqi Zhang***, "Asymmetric Friedel-Crafts reactions of pyrroles and nitroalkenes catalyzed by a heterotrinuclear Pd/Sm/Pd complex", *Org. & Biomol. Chem.* **2012**, *10*, 2534-2536.

50. Edwin C. Constable, **Guoqi Zhang**, Catherine E. Housecroft, Jennifer A. Zampese, "Bucky block: templating a coordination network with C_{60}", *CrystEngComm.* **2012**, *14*, 1770-1774.

49. Edwin C. Constable, **Guoqi Zhang**, Catherine E. Housecroft, Jennifer A. Zampese, "A matter of greasy tails: interdigitation of alkyl chains in free and coordinated 4'-(4-dodecyloxyphen yl)-4,2':6',4''-terpyridines", *Inorg. Chem. Comm.* **2012**, 15, 113-116.

48. Edwin C. Constable, Catherine E. Housecroft, Peter Kopecky, Markus Neuburger, Jennifer A. Zampese, **Guoqi Zhang**, "Coordination polymers with divergent 4'-*tert*-butyl-4,2':6',4''-terpyridine linkers: from aryl-aryl to ball-and-socket packing", *CrystEngComm.* **2012**, 14, 446-452.

47. **Guoqi Zhang***, Shuangqing Wang, Jinshi Ma, Guoqiang Yang*, "Syntheses, characterization and third-order nonlinear optical properties of a class of thiazolylazo-based metal chelates", *Inorg. Chim. Acta* **2012**, 384, 97-104.

46. Edwin C. Constable, **Guoqi Zhang**, Daniel Häussinger, Catherine E. Housecroft, Jennifer A. Zampese, "Metallohosts with a heart of carbon", *J. Am. Chem. Soc.* **2011**, *133*, 10776-10779.

45. Antoinetto Chougnet, **Guoqi Zhang**, Kegang Liu, Daniel Häussinger, Andreas Kägi, Thomas Allmendinger, Wolf-D. Woggon, "Diastereoselective and highly enantioselective Henry reactions using C_1-symmetrical copper(II) complexes", *Adv. Synth. Catal.* **2011**, *353*, 1797-1806.

44. **Guoqi Zhang**,* Lanying Yang, Jinshi Ma, Guoqiang Yang*, "Synthesis and structural characterization of 1,2-bis((1*H*-pyrrol-2-yl)methylene)hydrazine and its Cu(II) complex", *J. Mol. Struct.* **2011**, *1006*, 542-546.

43. Edwin C. Constable, **Guoqi Zhang**, Catherine E. Housecroft, Jennifer A. Zampese, "Zinc(II) coordination polymer, metallohexacycles and metallocapsules -Do we understand self-assembly in metallosupramolecular chemistry: algorithms or serendipity?", *CrystEngComm.* **2011**, *13*, 6864-6870.

42. **Guoqi Zhang**,* Jinshi Ma, Guoqiang Yang,* "A luminescent dinuclear cadmium(II) supramolecular architecture constructed from a metal-organic synthon", *J. Mol. Struct.* **2011**, *1004*, 248-251.

41. Edwin C. Constable, **Guoqi Zhang**, Catherine E. Housecroft, Jennifer A. Zampese, "Disulfide struts: assembly motifs supporting cuprocapsules", *Inorg. Chem. Comm.* **2011**, *14*, 1703-1705.

40. Dehui Hu, Zhipei Yang, **Guoqi Zhang**,* Min Liu, Junfeng Xiang, Tongling, Liang, Jinshi Ma, Guoqiang Yang*, "Self-complementary hydrogen-bonded duplexes and helices based on bis(pyrrolyl) carbohydrazide derivatives", *CrystEngComm.* **2011**, *13*, 6021-6023. (Selected as a '*Hot Article'*)

39. Edwin C. Constable, **Guoqi Zhang**, Catherine E. Housecroft, Jennifer A. Zampese, "9-Anthracenyl substitued pyridyl enones revisited: photoisomerism in ligands and silver(I) complexes", *Dalton Trans.* **2011**, *40*, 12146-12152.

38. Edwin C. Constable, **Guoqi Zhang**, Catherine E. Housecroft, Markus Neuburger, Jennifer A. Zampese, "π-Stacking and hydrogen bonding direct diastereoselectivity in one-pot syntheses of octahedral iron(II) complexes", *Chem. Comm.* **2010**, *46*, 3077-3079.

37. Edwin C. Constable, **Guoqi Zhang**, Catherine E. Housecroft, Jennifer A. Zampese, "Sheet, ladder or chain? Small substituents in 4'-phenyl-4,2':6',4''-terpyridines make all the difference in cadmium(II) coordination polymers", *CrystEngComm.* **2010**, *12*, 3733-3739.

36. Edwin C. Constable, **Guoqi Zhang**, Catherine E. Housecroft, Jennifer A. Zampese, "Same head, different scaffold: a plethora of structural motifs assembled from silver(I) and ditopic 2,2'-bipyridine ligands", *CrystEngComm.* **2010**, *12*, 3724-3732.

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34. Edwin C. Constable, **Guoqi Zhang**, Catherine E. Housecroft, Markus Neuburger, Jennifer A. Zampese, "The mononuclear-dinuclear dance: twisting the backbone in metalloligands operates a coordination switch", *Inorg. Chim. Acta* **2010**, *363*, 4207-4213.

33. Edwin C. Constable, **Guoqi Zhang**, Catherine E. Housecroft, Jennifer A. Zampese, "Mix and match: competing ways for iron(II) or zinc(II) to template a chiral Schiff base ligand to suit the needs of the metal ion", *Dalton Trans.* **2010**, *39*, 5332-5340.

32. Edwin C. Constable, **Guoqi Zhang**, Catherine E. Housecroft, Markus Neuburger, "A hexadentate Schiff base ligand which undergoes reversible, diastereoselective addition of methanol", *J. Mol. Struct.* **2010**, *975*, 367-371.

31. Edwin C. Constable, **Guoqi Zhang**, Catherine E. Housecroft, Markus Neuburger, Jennifer A. Zampese, "Diastereoselective assembly of helicates incorporating a hexadentate chiral scaffold", *Eur. J. Inorg. Chem.* **2010**, 2000-2011.

30. Edwin C. Constable, **Guoqi Zhang**, Eugenio Coronado, Catherine E. Housecroft, Markus Neuburger,

Jennifer A. Zampese, "Not just size and shape: spherically symmetrical d^5 and d^{10} metal ions give different coordination nets with 4,2':6',4"-terpyridines", *CrystEngComm.* **2010,** *12*, 2139-2145.

29. Edwin C. Constable, **Guoqi Zhang**, Catherine E. Housecroft, Markus Neuburger, Jennifer A. Zampese, "Assembling and dissembling zinc-containing coordination polymers of 4'-phenyl-4,2':6',4"-terpyridine", *CrystEngComm.* **2010**, *12*, 2146- 2152.

28. Edwin C. Constable, **Guoqi Zhang**, Catherine E. Housecroft, Markus Neuburger, Jennifer A. Zampese, "Host-guest chemistry of a chiral Schiff base copper(II) complex: can chiral information be transferred to the guest cation?", *CrystEngComm.* **2010**, *12*, 1764-1773.

27. Edwin C. Constable, **Guoqi Zhang**, Catherine E. Housecroft, Jennifer A. Zampese, "Amalgamating metalloligands with coordination networks", *Dalton Trans.* **2010**, *39*, 1941-1947. (Selected as 'Hot Article')

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