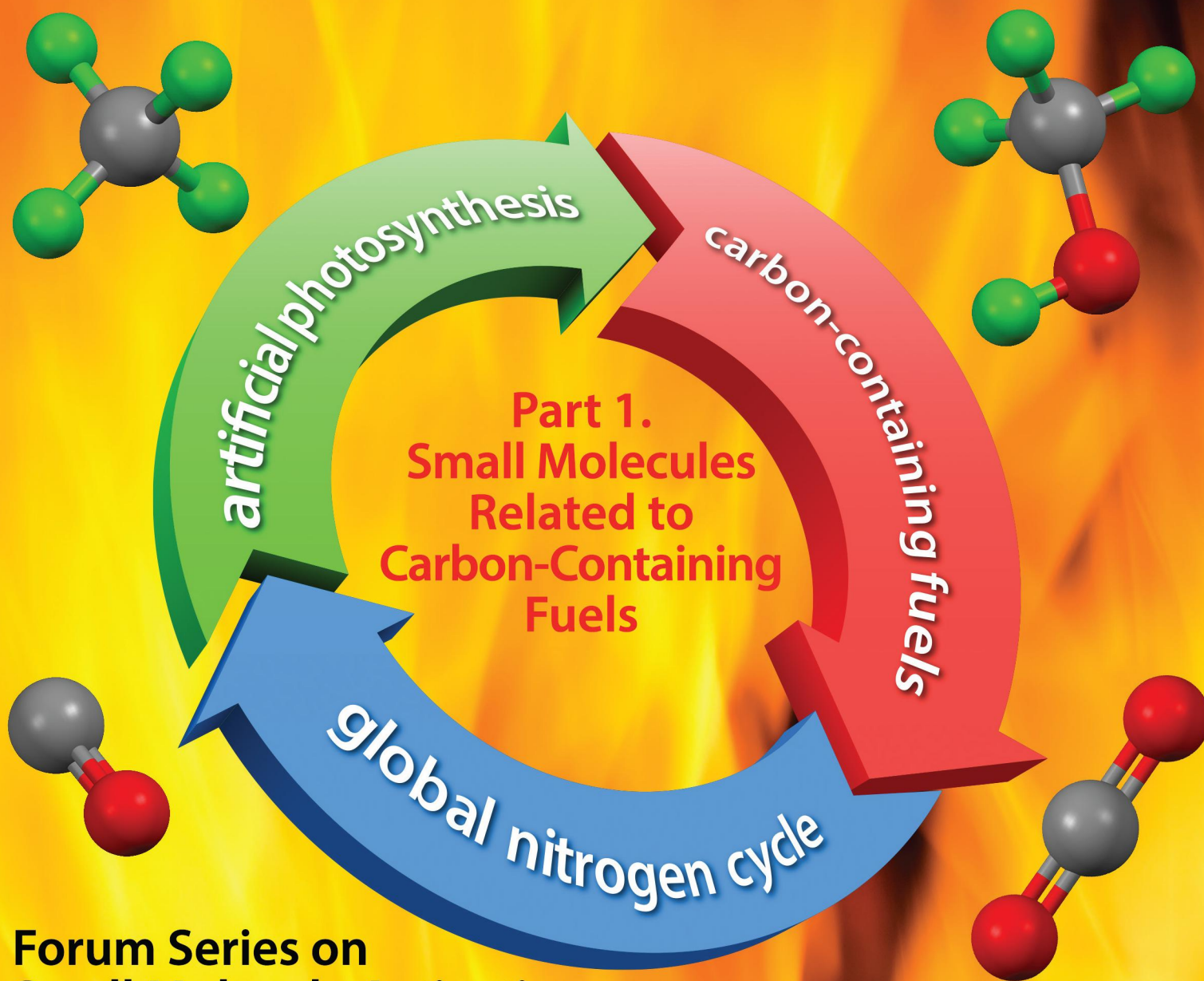


Inorganic Chemistry

including bioinorganic chemistry

June 1, 2015
Volume 54, Number 11
pubs.acs.org/IC



**Forum Series on
Small Molecule Activation:
From Biological Principles to Energy Applications**



ACS Publications
Most Trusted. Most Cited. Most Read.

www.acs.org

Content

- 1. Forums on Small-Molecule Activation: from Biological Principles to Energy Applications**
Franc Meyer and William B. Tolman
Inorganic Chemistry **2015** 54 (11), 5039-5039
DOI: 10.1021/acs.inorgchem.5b00768
- 2. Preface for Small-Molecule Activation: Carbon-Containing Fuels**
Etsuko Fujita and Alan S. Goldman
Inorganic Chemistry **2015** 54 (11), 5040-5042
DOI: 10.1021/acs.inorgchem.5b00790
- 3. Alkane C–H Functionalization and Oxidation with Molecular Oxygen**
Dominik Munz and Thomas Strassner
Inorganic Chemistry **2015** 54 (11), 5043-5052
DOI: 10.1021/ic502515x
- 4. C–H Bond Cleavage by Bioinspired Nonheme Oxoiron(IV) Complexes, Including Hydroxylation of n-Butane**
Scott T. Kleespies, Williamson N. Oloo, Anusree Mukherjee, and Lawrence Que, Jr.
Inorganic Chemistry **2015** 54 (11), 5053-5064
DOI: 10.1021/ic502786y
- 5. Heterolytic Activation of C–H Bonds on CrIII–O Surface Sites Is a Key Step in Catalytic Polymerization of Ethylene and Dehydrogenation of Propane**
Matthew P. Conley, Murielle F. Delley, Francisco Núñez-Zarur, Aleix Comas-Vives, and Christophe Copéret
Inorganic Chemistry **2015** 54 (11), 5065-5078
DOI: 10.1021/ic502696n
- 6. Methanol Dehydrogenation by Iridium N-Heterocyclic Carbene Complexes**
Jesús Campos, Liam S. Sharninghausen, Michael G. Manas, and Robert H. Crabtree
Inorganic Chemistry **2015** 54 (11), 5079-5084
DOI: 10.1021/ic502521c
- 7. Reactivity of CO₂ Activated on Transition Metals and Sulfur Ligands**
Katsuaki Kobayashi and Koji Tanaka
Inorganic Chemistry **2015** 54 (11), 5085-5095
DOI: 10.1021/ic502745u
- 8. Efficient Photocatalysts for CO₂ Reduction**
Go Sahara and Osamu Ishitani
Inorganic Chemistry **2015** 54 (11), 5096-5104
DOI: 10.1021/ic502675a
- 9. Toward Solar-Driven Photocatalytic CO₂ Reduction Using Water as an Electron Donor**
Shunsuke Sato, Takeo Arai, and Takeshi Morikawa
Inorganic Chemistry **2015** 54 (11), 5105-5113
DOI: 10.1021/ic502766g
- 10. CO₂ Hydrogenation Catalyzed by Iridium Complexes with a Proton-Responsive Ligand**

Naoya Onishi, Shaoan Xu, Yuichi Manaka, Yuki Suna, Wan-Hui Wang, James T. Muckerman, Etsuko Fujita, and Yuichiro Himeda
Inorganic Chemistry **2015** 54 (11), 5114-5123
DOI: 10.1021/ic502904q

11. Hydricity of an Fe–H Species and Catalytic CO₂ Hydrogenation

Henry Fong and Jonas C. Peters
Inorganic Chemistry **2015** 54 (11), 5124-5135
DOI: 10.1021/ic502508p

12. Direct C–N Coupling in an in Situ Ligand Transformation and the Self-Assembly of a Tetrametallic [NiII₄] Staircase

Aloke Kumar Ghosh, Tufan Singha Mahapatra, Rodolphe Clérac, Corine Mathonière, Valerio Bertolasi, and Debashis Ray
Inorganic Chemistry **2015** 54 (11), 5136-5138
DOI: 10.1021/acs.inorgchem.5b00411

13. Postsynthetic Modification of an Alkyne-Tagged Zirconium Metal–Organic Framework via a “Click” Reaction

Bijian Li, Bo Gui, Guiping Hu, Daqiang Yuan, and Cheng Wang
Inorganic Chemistry **2015** 54 (11), 5139-5141
DOI: 10.1021/acs.inorgchem.5b00535

14. Synthesis and Reactivity of a Zwitterionic Palladium Allyl Complex Supported by a Perchlorinated Carboranyl Phosphine

Jess Estrada, David H. Woen, Fook S. Tham, Garret M. Miyake, and Vincent Lavallo
Inorganic Chemistry **2015** 54 (11), 5142-5144
DOI: 10.1021/acs.inorgchem.5b00576

15. Polymorphism-Dependent Spin-Crossover: Hysteretic Two-Step Spin Transition with an Ordered [HS–HS–LS] Intermediate Phase

Jie Luan, Jian Zhou, Zhan Liu, Bowen Zhu, Huisi Wang, Xin Bao, Wei Liu, Ming-Liang Tong, Guo Peng, Haonan Peng, Lionel Salmon, and Azzedine Bousseksou
Inorganic Chemistry **2015** 54 (11), 5145-5147
DOI: 10.1021/acs.inorgchem.5b00629

16. Cobalt(II) Complex of a Diazoalkane Radical Anion

Simon J. Bonyhady, Jonathan M. Goldberg, Nicole Wedgwood, Thomas R. Dugan, Andrew G. Eklund, William W. Brennessel, and Patrick L. Holland
Inorganic Chemistry **2015** 54 (11), 5148-5150
DOI: 10.1021/acs.inorgchem.5b00673

17. Zinc-Mediated Carbene Insertion to C–Cl Bonds of Chloromethanes and Isolable Zinc(II) Isocyanide Adducts

Naveen V. Kulkarni, Animesh Das, Naleen B. Jayaratna, Muhammed Yousufuddin, and H. V. Rasika Dias
Inorganic Chemistry **2015** 54 (11), 5151-5153
DOI: 10.1021/acs.inorgchem.5b00929

18. Doubly Bonded E13=P and B=E15 Molecules and Their Reactions with H₂, Acetonitrile, Benzophenone, and 2,3-Dimethylbutadiene

Tsung-Wei Shih, Ming-Chung Li, and Ming-Der Su
Inorganic Chemistry **2015** 54 (11), 5154-5161
DOI: 10.1021/acs.inorgchem.5b00512

19. Half-Sandwich Complexes of DyIII: A Janus-Motif with Facile Tunability of Magnetism

Shan-Shan Liu, Ling Xu, Shang-Da Jiang, Yi-Quan Zhang, Yin-Shan Meng, Zitao Wang, Bing-Wu Wang, Wen-Xiong Zhang, Zhenfeng Xi, and Song Gao
Inorganic Chemistry **2015** 54 (11), 5162-5168
DOI: 10.1021/ic502734z

20. Heterometallic Coordination Polymers Assembled from Trigonal Trinuclear Fe₂Ni-Pivalate Blocks and Polypyridine Spacers: Topological Diversity, Sorption, and Catalytic Properties

Svetlana A. Sotnik, Ruslan A. Polunin, Mikhail A. Kiskin, Alexander M. Kirillov, Victoria N. Dorofeeva, Konstantin S. Gavrilenko, Igor L. Eremenko, Vladimir M. Novotortsev, and Sergey V. Kolotilov
Inorganic Chemistry **2015** 54 (11), 5169-5181
DOI: 10.1021/ic503061z

21. Palladium(II) Complex of a Redox-Active Amidophenolate-Based O,N,S,N Ligand: Its Monocation and Dication and Reactivity with PPh₃

Akram Ali, Suman K. Barman, and Rabindranath Mukherjee
Inorganic Chemistry **2015** 54 (11), 5182-5194
DOI: 10.1021/ic503103e

22. Thermodynamic Aspects of Auophilic Hydrogelators

Raquel Gavara, Elisabet Aguiló, Célia Fonseca Guerra, Laura Rodríguez, and João Carlos Lima
Inorganic Chemistry **2015** 54 (11), 5195-5203
DOI: 10.1021/acs.inorgchem.5b00025

23. New Tetracopper(II) Cubane Cores Driven by a Diamino Alcohol: Self-assembly Synthesis, Structural and Topological Features, and Magnetic and Catalytic Oxidation Properties

Sara S. P. Dias, Marina V. Kirillova, Vânia André, Julia Klak, and Alexander M. Kirillov
Inorganic Chemistry **2015** 54 (11), 5204-5212
DOI: 10.1021/acs.inorgchem.5b00048

24. Rational Organization of Lanthanide-Based SMM Dimers into Three-Dimensional Networks

Xiaohui Yi, Guillaume Calvez, Carole Daiguebonne, Olivier Guillou, and Kevin Bernot
Inorganic Chemistry **2015** 54 (11), 5213-5219
DOI: 10.1021/acs.inorgchem.5b00087

25. Structure and Chemistry of SeF_x(CN)_{4-x} Compounds

Stefanie Fritz, Christian Ehm, and Dieter Lentz
Inorganic Chemistry **2015** 54 (11), 5220-5231
DOI: 10.1021/acs.inorgchem.5b00107

26. Solvent-Induced Change of Electronic Spectra and Magnetic Susceptibility of Coll Coordination Polymer with 2,4,6-Tris(4-pyridyl)-1,3,5-triazine

Ruslan A. Polunin, Nataliya P. Burkovskaya, Juliya A. Satska, Sergey V. Kolotilov, Mikhail A. Kiskin, Grigory G. Aleksandrov, Olivier Cador, Lahcene Ouahab, Igor L. Eremenko, and Vitaly V. Pavlishchuk
Inorganic Chemistry **2015** 54 (11), 5232-5238
DOI: 10.1021/acs.inorgchem.5b00179

27. Effect of Carbon Coating on the Physicochemical and Electrochemical Properties of Fe₂O₃ Nanoparticles for Anode Application in High Performance Lithium Ion Batteries

A. Iturrondobeitia, A. Goñi, I. Orue, I. Gil de Muro, L. Lezama, M. M. Doeff, and T. Rojo
Inorganic Chemistry **2015** 54 (11), 5239-5248
DOI: 10.1021/acs.inorgchem.5b00203

28. Gadolinium Sulfate Modified by Formate To Obtain Optimized Magneto-Caloric Effect

Long-Yang Xu, Jiong-Peng Zhao, Ting Liu, and Fu-Chen Liu
Inorganic Chemistry **2015** 54 (11), 5249-5256
DOI: 10.1021/acs.inorgchem.5b00214

29. Octacoordinated Dioxo-Molybdenum Complex via Formal Oxidative Addition of Molecular Oxygen. Studies of Chemical Reactions Between M(CO)₆ (M = Cr, Mo) and 2,4-Di-tert-butyl-6-(pyridin-2-ylazo)-phenol

Ipsita Chatterjee, Nabanita Saha Chowdhury, Pradip Ghosh, and Sreebrata Goswami
Inorganic Chemistry **2015** 54 (11), 5257-5265
DOI: 10.1021/acs.inorgchem.5b00218

30. Unique Chiral Interpenetrating d–f Heterometallic MOFs as Luminescent Sensors

Zhi-Lei Wu, Jie Dong, Wei-Yan Ni, Bo-Wen Zhang, Jian-Zhong Cui, and Bin Zhao

Inorganic Chemistry **2015** 54 (11), 5266-5272

DOI: 10.1021/acs.inorgchem.5b00240

31. Synthesis and Characterization of the LiMnBO₃–LiCoBO₃ Solid Solution and Its Use as a Lithium-Ion Cathode Material

Barbara Le Roux, Carole Bourbon, Oleg I. Lebedev, Jean-François Colin, and Valerie Pralong

Inorganic Chemistry **2015** 54 (11), 5273-5279

DOI: 10.1021/acs.inorgchem.5b00260

32. Why Is Uranyl Formohydroxamate Red?

Mark A. Silver, Walter L. Dorfner, Samantha K. Cary, Justin N. Cross, Jian Lin, Eric J. Schelter, and Thomas E. Albrecht-Schmitt

Inorganic Chemistry **2015** 54 (11), 5280-5284

DOI: 10.1021/acs.inorgchem.5b00262

33. Design of a Catalytic Active Site for Electrochemical CO₂ Reduction with Mn(I)-Tricarbonyl Species

Jay Agarwal, Travis W. Shaw, Henry F. Schaefer, III, and Andrew B. Bocarsly

Inorganic Chemistry **2015** 54 (11), 5285-5294

DOI: 10.1021/acs.inorgchem.5b00233

34. Construction of Identical [2 + 2] Schiff-Base Macrocyclic Ligands by LnIII and ZnII Template Ions Including Efficient YbIII Near-Infrared Sensitizers

Kun Zhang, Lei Zhang, Song Zhang, Yong Hu, Youxuan Zheng, and Wei Huang

Inorganic Chemistry **2015** 54 (11), 5295-5300

DOI: 10.1021/acs.inorgchem.5b00283

35. Synthesis, Structure, Multiband Optical, and Electrical Conductive Properties of a 3D Open Cubic Framework Based on [Cu₈Sn₆S₂₄]_z–Clusters

Xian Zhang, Qiuran Wang, Zhimin Ma, Jianqiao He, Zhe Wang, Chong Zheng, Jianhua Lin, and Fuqiang Huang

Inorganic Chemistry **2015** 54 (11), 5301-5308

DOI: 10.1021/acs.inorgchem.5b00317

36. Nickelacyclopentadienylchromium Tricarbonyl Unit as a Bulky Pseudohalogen in Cyclopentadienylchromium Complexes Leading to Low-Energy High-Spin Structures

Yi Zeng, Ying Yu, Hao Feng, R. Bruce King, and Henry F. Schaefer, III

Inorganic Chemistry **2015** 54 (11), 5309-5315

DOI: 10.1021/acs.inorgchem.5b00362

37. Precursor Routes to Complex Ternary Intermetallics: Single-Crystal and Microcrystalline Preparation of Clathrate-I Na₈Al₈Si₃₈ from NaSi + NaAlSi

Yongkwan Dong, Ping Chai, Matt Beekman, Xiaoyu Zeng, Terry M. Tritt, and George S. Nolas

Inorganic Chemistry **2015** 54 (11), 5316-5321

DOI: 10.1021/acs.inorgchem.5b00348

38. Synthesis of Unsupported d¹–d^x Oxido-Bridged Heterobimetallic Complexes Containing VIV: A New Direction for Metal-to-Metal Charge Transfer

Xinyuan Wu, Tao Huang, Travis T. Lekich, Roger D. Sommer, and Walter W. Weare

Inorganic Chemistry **2015** 54 (11), 5322-5328

DOI: 10.1021/acs.inorgchem.5b00370

39. Tetrabenzoporphyrin and -mono-, -cis-di- and Tetrabenzotriazaporphyrin Derivatives: Electrochemical and

Spectroscopic Implications of meso CH Group Replacement with Nitrogen

Adele van As, Chris C. Joubert, Blenerhassitt E. Buitendach, Elizabeth Erasmus, Jeanet Conradie, Andrew N. Cammidge, Isabelle Chambrier, Michael J. Cook, and Jannie C. Swarts

Inorganic Chemistry **2015** *54* (11), 5329-5341

DOI: 10.1021/acs.inorgchem.5b00380

40. Photochemical Properties of Red-Emitting Tris(cyclometalated) Iridium(III) Complexes Having Basic and Nitro Groups and Application to pH Sensing and Photoinduced Cell Death

Aya Kando, Yosuke Hisamatsu, Hiroki Ohwada, Taiki Itoh, Shinsuke Moromizato, Masahiro Kohno, and Shin Aoki

Inorganic Chemistry **2015** *54* (11), 5342-5357

DOI: 10.1021/acs.inorgchem.5b00369

41. Structural Investigation of (U_{0.7}Pu_{0.3})O_{2-x} Mixed Oxides

Jean-François Vigier, Philippe M. Martin, Laura Martel, Damien Prieur, Andreas C. Scheinost, and Joseph Somers

Inorganic Chemistry **2015** *54* (11), 5358-5365

DOI: 10.1021/acs.inorgchem.5b00392

42. Coherent Fusion of Water Array and Protonated Amine in a Metal-Sulfate-Based Coordination Polymer for Proton Conduction

Biplab Manna, Bihag Anothumakkool, Aamod V. Desai, Partha Samanta, Sreekumar Kurungot, and Sujit K. Ghosh

Inorganic Chemistry **2015** *54* (11), 5366-5371

DOI: 10.1021/acs.inorgchem.5b00416

43. Coordination Networks of a Ditopic Macrocyclic Exhibiting Anion-Controlled Dimensional Changes and Crystal-to-Crystal Anion Exchange

Eunji Lee, Ki-Min Park, Mari Ikeda, Shunsuke Kuwahara, Yoichi Habata, and Shim Sung Lee

Inorganic Chemistry **2015** *54* (11), 5372-5383

DOI: 10.1021/acs.inorgchem.5b00422

44. Luminescence and Single-Molecule Magnet Behavior in Lanthanide Complexes Involving a Tetrathiafulvalene-Fused Dipyridophenazine Ligand

Fabrice Pointillart, Julie Jung, Romain Berraud-Pache, Boris Le Guennic, Vincent Dorcet, Stéphane Golhen, Olivier Cador, Olivier Maury, Yannick Guyot, Silvio Decurtins, Shi-Xia Liu, and Lahcène Ouahab

Inorganic Chemistry **2015** *54* (11), 5384-5397

DOI: 10.1021/acs.inorgchem.5b00441

45. Spin Crossover, Reversible Redox, and Supramolecular Interactions in 3d Complexes of 4-(4-Pyridyl)-2,5-dipyrzyl-pyridine

Reece G. Miller and Sally Brooker

Inorganic Chemistry **2015** *54* (11), 5398-5409

DOI: 10.1021/acs.inorgchem.5b00428

46. 2D and 3D Anilato-Based Heterometallic M(I)M(III) Lattices: The Missing Link

Samia Benmansour, Cristina Vallés-García, Patricia Gómez-Claramunt, Guillermo Mínguez Espallargas, and Carlos J. Gómez-García

Inorganic Chemistry **2015** *54* (11), 5410-5418

DOI: 10.1021/acs.inorgchem.5b00451

47. Preparation of Tunable (BaSrMg)O for Oxygen Chemisorption: Formation Mechanism and Characterization

Xunca Chen, Taesung Jung, Jongho Park, and Woo-Sik Kim

Inorganic Chemistry **2015** *54* (11), 5419-5425

DOI: 10.1021/acs.inorgchem.5b00454

48. [TlIII(dota)]⁻: An Extraordinarily Robust Macrocyclic Complex

Tamás Fodor, István Bánya, Attila Bényei, Carlos Platas-Iglesias, Mihály Purgel, Gábor L. Horváth, László Zékány, Gyula Tircsó, and Imre Tóth
Inorganic Chemistry **2015** *54* (11), 5426-5437
DOI: 10.1021/acs.inorgchem.5b00458

49. Highly Valence-Diversified Binuclear Uranium Complexes of a Schiff-Base Polypyrrolic Macrocyclic: Prediction of Unusual Structures, Electronic Properties, and Formation Reactions

Jun Yao, Xiu-Jun Zheng, Qing-Jiang Pan, and Georg Schreckenbach
Inorganic Chemistry **2015** *54* (11), 5438-5449
DOI: 10.1021/acs.inorgchem.5b00483

50. Mono- and Bimetallic Zwitterionic Chromium(0) and Tungsten(0) Allenyls

Elena A. Giner, Alicia Santiago, Mar Gómez-Gallego, Carmen Ramírez de Arellano, Rebecca C. Poulten, Michael K. Whittlesey, and Miguel A. Sierra
Inorganic Chemistry **2015** *54* (11), 5450-5461
DOI: 10.1021/acs.inorgchem.5b00492

51. Spontaneous Resolution, Asymmetric Catalysis, and Fluorescence Properties of Δ - and Λ -[Cu(Tzmp)]_n Enantiomers from in Situ [2 + 3] Cycloaddition Synthesis

Yun-Zhi Tang, Jian-Bo Xiong, Ji-Xing Gao, Yu-Hui Tan, Qing Xu, and He-Rui Wen
Inorganic Chemistry **2015** *54* (11), 5462-5466
DOI: 10.1021/acs.inorgchem.5b00478

52. Rapid Synthesis and Efficient Electrocatalytic Oxygen Reduction/Evolution Reaction of CoMn₂O₄ Nanodots Supported on Graphene

Jing Du, Chengcheng Chen, Fangyi Cheng, and Jun Chen
Inorganic Chemistry **2015** *54* (11), 5467-5474
DOI: 10.1021/acs.inorgchem.5b00518

53. A Family of CollColl₃ Single-Ion Magnets with Zero-Field Slow Magnetic Relaxation: Fine Tuning of Energy Barrier by Remote Substituent and Counter Cation

Yuan-Yuan Zhu, Yi-Quan Zhang, Ting-Ting Yin, Chen Gao, Bing-Wu Wang, and Song Gao
Inorganic Chemistry **2015** *54* (11), 5475-5486
DOI: 10.1021/acs.inorgchem.5b00526

54. Synthesis, Electrochemistry, and Single-Molecule Conductance of Bimetallic 2,3,5,6-Tetra(pyridine-2-yl)pyrazine-Based Complexes

Ross Davidson, Jing-Hong Liang, David Costa Milan, Bing-Wei Mao, Richard J. Nichols, Simon J. Higgins, Dmitry S. Yufit, Andrew Beeby, and Paul J. Low
Inorganic Chemistry **2015** *54* (11), 5487-5494
DOI: 10.1021/acs.inorgchem.5b00507

55. Synthesis of the Layered Quaternary Uranium-Containing Oxide Cs₂Mn₃U₆O₂₂ and Characterization of its Magnetic Properties

Cory M. Read, Elijah E. Gordon, Mark D. Smith, Jeongho Yeon, Gregory Morrison, Myung-Hwan Whangbo, and Hans-Conrad zur Loye
Inorganic Chemistry **2015** *54* (11), 5495-5503
DOI: 10.1021/acs.inorgchem.5b00552

56. Flux Synthesis, Structure, Properties, and Theoretical Magnetic Study of Uranium(IV)-Containing A₂USi₆O₁₅ (A = K, Rb) with an Intriguing Green-to-Purple, Crystal-to-Crystal Structural Transition in the K Analogue

Gregory Morrison, Harry Ramanantoanina, Werner Urland, Mark D. Smith, and Hans-Conrad zur Loye
Inorganic Chemistry **2015** *54* (11), 5504-5511
DOI: 10.1021/acs.inorgchem.5b00556

- 57. Microporous Metal–Organic Framework Based on a Bifunctional Linker for Selective Sorption of CO₂ over N₂ and CH₄**
Di-Ming Chen, Xiao-Ping Zhang, Wei Shi, and Peng Cheng
Inorganic Chemistry **2015** *54* (11), 5512-5518
DOI: 10.1021/acs.inorgchem.5b00561
- 58. 2H-CuScO₂ Prepared by Low-Temperature Hydrothermal Methods and Post-Annealing Effects on Optical and Photoelectrochemical Properties**
Thomas I. Draskovic, Mingzhe Yu, and Yiyang Wu
Inorganic Chemistry **2015** *54* (11), 5519-5526
DOI: 10.1021/acs.inorgchem.5b00575
- 59. Ambient Stable Trigonal Bipyramidal Copper(III) Complexes Equipped with an Exchangeable Axial Ligand**
Hao-Ching Chang, Feng-Chun Lo, Wen-Chi Liu, Tsung-Han Lin, Wen-Feng Liaw, Ting-Shen Kuo, and Way-Zen Lee
Inorganic Chemistry **2015** *54* (11), 5527-5533
DOI: 10.1021/acs.inorgchem.5b00603
- 60. A Family of Lanthanide-Based Coordination Polymers with Boronic Acid as Ligand**
Xiao Fan, Stéphane Freslon, Carole Daiguebonne, Laurent Le Pollès, Guillaume Calvez, Kevin Bernot, Xiaohui Yi, Gang Huang, and Olivier Guillou
Inorganic Chemistry **2015** *54* (11), 5534-5546
DOI: 10.1021/acs.inorgchem.5b00635
- 61. Synthesis of Carboxylate Cp*Zr(IV) Species: Toward the Formation of Novel Metallocavitands**
Maxime Daigle, Wenhua Bi, Marc-André Légaré, Jean-François Morin, and Frédéric-Georges Fontaine
Inorganic Chemistry **2015** *54* (11), 5547-5555
DOI: 10.1021/acs.inorgchem.5b00634
- 62. Strong Energy-Transfer-Induced Enhancement of Luminescence Efficiency of Eu²⁺- and Mn²⁺-Codoped Gamma-AION for Near-UV-LED-Pumped Solid State Lighting**
Lihong Liu, Le Wang, Chenning Zhang, Yujin Cho, Benjamin Dierre, Naoto Hirosaki, Takashi Sekiguchi, and Rong-Jun Xie
Inorganic Chemistry **2015** *54* (11), 5556-5565
DOI: 10.1021/acs.inorgchem.5b00683
- 63. Orbital Arrangements and Magnetic Interactions in the Quasi-One-Dimensional Cuprates ACuMoO₄(OH) (A = Na, K)**
Kazuhiro Nawa, Takeshi Yajima, Yoshihiko Okamoto, and Zenji Hiroi
Inorganic Chemistry **2015** *54* (11), 5566-5570
DOI: 10.1021/acs.inorgchem.5b00686
- 64. Anions Influence the Relaxation Dynamics of Mono-μ₃-OH-Capped Triangular Dysprosium Aggregates**
Li Zhang, Peng Zhang, Lang Zhao, Jianfeng Wu, Mei Guo, and Jinkui Tang
Inorganic Chemistry **2015** *54* (11), 5571-5578
DOI: 10.1021/acs.inorgchem.5b00702
- 65. Synthesis and Protonation of an Encumbered Iron Tetraisocyanide Dianion**
Charles C. Mokhtarzadeh, Grant W. Margulieux, Alex E. Carpenter, Nils Weidemann, Curtis E. Moore, Arnold L. Rheingold, and Joshua S. Figueroa
Inorganic Chemistry **2015** *54* (11), 5579-5587
DOI: 10.1021/acs.inorgchem.5b00730
- 66. Vibronic Coupling Investigation to Compute Phosphorescence Spectra of Pt(II) Complexes**
Fanny Vazart, Camille Latouche, Julien Bloino, and Vincenzo Barone

Inorganic Chemistry **2015** 54 (11), 5588-5595

DOI: 10.1021/acs.inorgchem.5b00734

67. Phosphine-Iminopyridines as Platforms for Catalytic Hydrofunctionalization of Alkenes

Ryan Gilbert-Wilson, Wan-Yi Chu, and Thomas B. Rauchfuss

Inorganic Chemistry **2015** 54 (11), 5596-5603

DOI: 10.1021/acs.inorgchem.5b00692

68. Electrocatalytic Water Oxidation by a Water-Soluble Nickel Porphyrin Complex at Neutral pH with Low Overpotential

Yongzhen Han, Yizhen Wu, Wenzhen Lai, and Rui Cao

Inorganic Chemistry **2015** 54 (11), 5604-5613

DOI: 10.1021/acs.inorgchem.5b00924

69. Correction to Effect of Calcination Conditions on Porous Reduced Titanium Oxides and Oxynitrides via a Preceramic Polymer Route

George Hasegawa, Tatsuya Sato, Kazuyoshi Kanamori, Cheng-Jun Sun, Yang Ren, Yoji Kobayashi, Hiroshi Kageyama, Takeshi Abe, and Kazuki Nakanishi

Inorganic Chemistry **2015** 54 (11), 5614-5614

DOI: 10.1021/acs.inorgchem.5b00810