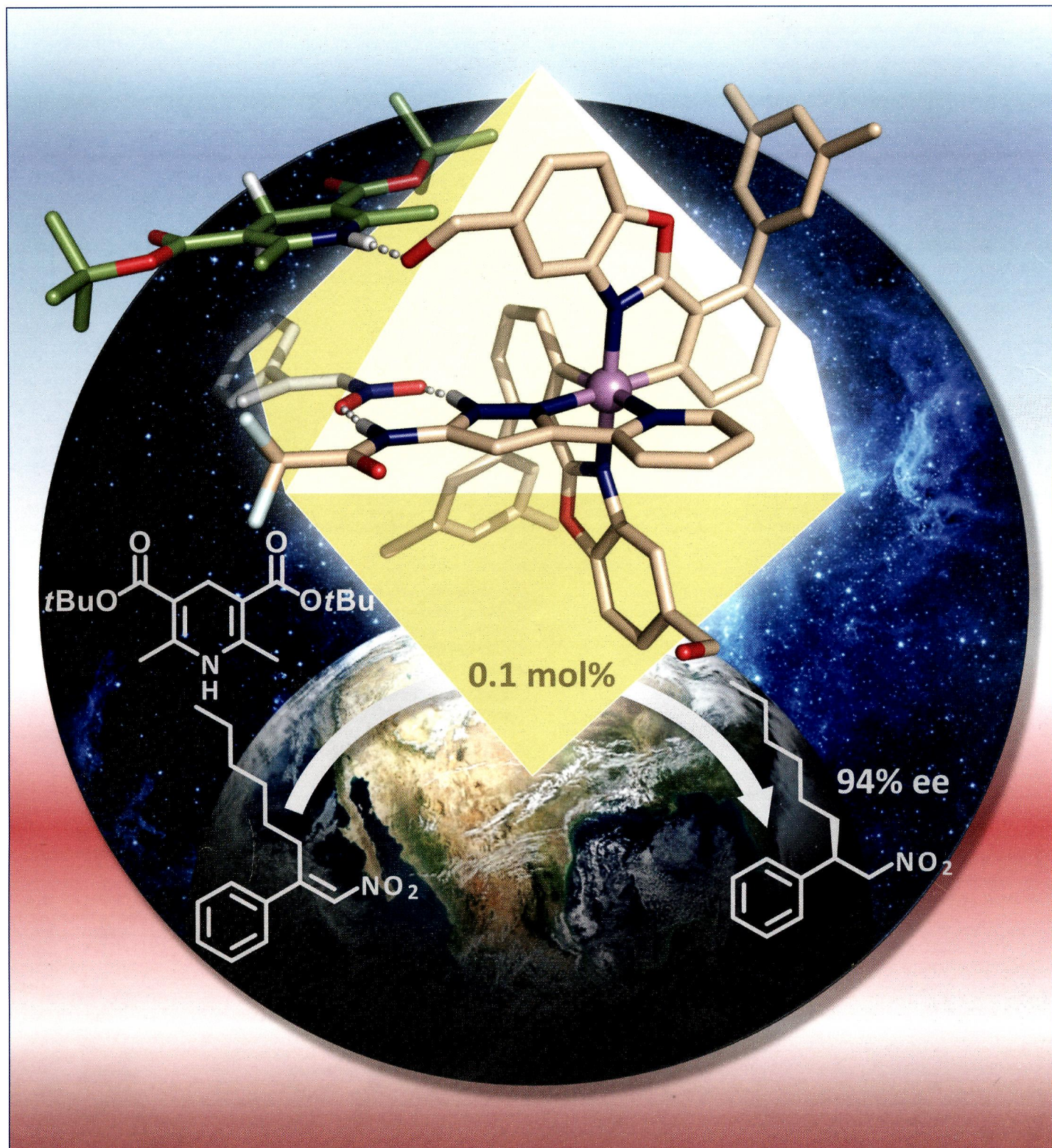


RU
A47/cs

July 24, 2013
Volume 135
Number 29
pubs.acs.org/JACS

J | A | C | S

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY



ACS Publications
MOST TRUSTED. MOST CITED. MOST READ.

www.acs.org

Sponsored By:  **SHIMADZU**
Excellence in Science



[Log In](#) [Register](#) [Cart](#)

[ACS](#) [ACS Publications](#) [C&EN](#) [CAS](#)

 **ACS Publications**
MOST TRUSTED. MOST CITED. MOST READ.

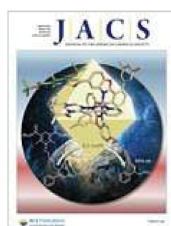
[ACS Journals](#) | [ACS ChemWorx](#) | [ACS Books](#) | [ACS Style Guide](#) | [C&EN Archives](#) | [Subscribe](#) | [Help](#)

J | A | C | S
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

Search text Anywhere

J. Am. Chem. Soc. All Publications / Website

Table of Contents



July 24, 2013
Volume 135, Issue 29
Pages 10581-10880

In this issue:

- » SPOTLIGHTS
- » COMMUNICATIONS
- » ARTICLES
- » ADDITIONS AND CORRECTIONS

About the Cover:

Novel chemical space for the development of asymmetric catalysts was explored in this study. The highly efficient asymmetric transfer hydrogenation by the shown chiral-at-metal iridium(III) complex does not involve any direct metal coordination by operating exclusively through weak interactions with functional groups properly arranged in the octahedral ligand sphere. See Meggers and co-workers, p 10598. [View the article.](#)

[Larger Cover](#)

[Order Print Issue](#)

 ACS AuthorChoice indicates the article is freely available through sponsorship by the author or related funding agency. [More about this program.](#)

For Selected: [View Abstracts](#) [Add to ACS ChemWorx](#) [Download Citations](#)



SPOTLIGHTS

Spotlights on Recent JACS Publications

ACS Contributing Correspondents

pp 10581-10581

Publication Date (Web): July 24, 2013 (Spotlights)

DOI: 10.1021/ja406854p

Abstract

[ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView

[PDF \[127K\]](#)

[PDF w/ Links \[127K\]](#)

[Full Text HTML](#)

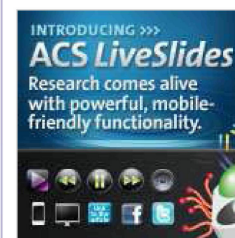
[Add to ACS ChemWorx](#)

[Sponsored Access](#)



COMMUNICATIONS

Advertisements



[Info for Advertisers](#)



Browse By Issue

Select Decade

Select Volume

Select Issue

[List of Issues](#)



Access your research from anywhere.

Add articles to ACS ChemWorx to access your ACS ActiveView PDF annotations from multiple devices.

- » [About ACS ChemWorx](#)
- » [ACS ChemWorx Features](#)
- » [About ACS ActiveView PDF](#)

[Go to ACS ChemWorx](#)

Advertisements

Maleimide Conjugates of Saxitoxin as Covalent Inhibitors of Voltage-Gated Sodium Channels

William H. Parsons and J. Du Bois

pp 10582-10585

Publication Date (Web): July 15, 2013 (Communication)

DOI: 10.1021/ja4019644

 Section: **Biochemical Methods**

[Abstract](#) | [Supporting Info](#)

[ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView

[PDF \[974K\]](#)

[PDF w/ Links \[297K\]](#)

[Full Text HTML](#)

[Add to ACS ChemWorx](#)

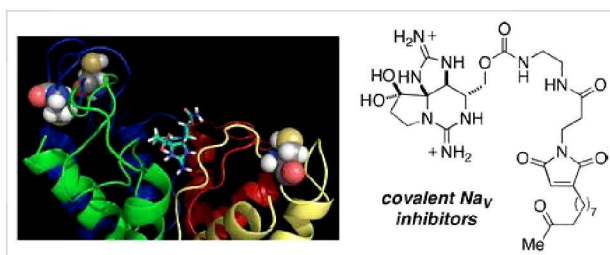


Figure 1 of 5

Heterogenization of Homogeneous Catalysts in Metal–Organic Frameworks via Cation Exchange

Douglas T. Genna, Antek G. Wong-Foy, Adam J. Matzger, and Melanie S. Sanford

pp 10586-10589

Publication Date (Web): July 9, 2013 (Communication)

DOI: 10.1021/ja402577s

 Section: **Industrial Organic Chemicals, Leather, Fats, and Waxes**

[Abstract](#) | [Supporting Info](#)

[ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView

[PDF \[597K\]](#)

[PDF w/ Links \[238K\]](#)

[Full Text HTML](#)

[Add to ACS ChemWorx](#)

Secondary Coordination Sphere Influence on the Reactivity of Nonheme Iron(II) Complexes: An Experimental and DFT Approach

Sumit Sahu, Leland R. Widger, Matthew G. Quesne, Sam P. de Visser, Hirotohi Matsumura, Pierre Moënne-Loccoz, Maxime A. Siegler, and David P. Goldberg

pp 10590-10593

Publication Date (Web): July 8, 2013 (Communication)

DOI: 10.1021/ja402688t

 Section: **Inorganic Chemicals and Reactions**

[Abstract](#) | [Supporting Info](#)

[ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView

[PDF \[1196K\]](#)

[PDF w/ Links \[294K\]](#)

[Full Text HTML](#)

[Add to ACS ChemWorx](#)

A Noncovalently Reversible Paramagnetic Switch in Water

Alexander T. Buck, Joseph T. Paletta, Shalika A. Khindurangala, Christie L. Beck, and Arthur H. Winter

pp 10594-10597

Publication Date (Web): July 5, 2013 (Communication)

DOI: 10.1021/ja403505z

 Section: **Physical Organic Chemistry**

[Abstract](#) | [Supporting Info](#)

[ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView

[PDF \[1124K\]](#)

[PDF w/ Links \[263K\]](#)

[Full Text HTML](#)

[Add to ACS ChemWorx](#)

Asymmetric Catalysis with an Inert Chiral-at-Metal Iridium Complex

Liang-An Chen, Weici Xu, Biao Huang, Jiajia Ma, Lun Wang, Jianwei Xi, Klaus Harms, Lei Gong, and Eric Meggers

pp 10598-10601

Publication Date (Web): May 14, 2013 (Communication)

DOI: 10.1021/ja403777k

 Section: **Aliphatic Compounds**

[Abstract](#) | [Supporting Info](#)

[ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView

[PDF \[687K\]](#)


[PDF w/ Links \[241K\]](#)


[Full Text HTML](#)


[Add to ACS ChemWorx](#)


C&EN WEBINARS
presents...


Info for Advertisers


- Copolymer-Incarcerated Nickel Nanoparticles with *M*-Heterocyclic Carbene Precursors as Active Cross-Linking Agents for Corriu–Kumada–Tamao Reaction** [Abstract](#) | [Supporting Info](#)
- Jean-François Soulé, Hiroyuki Miyamura, and Shu Kobayashi
pp 10602-10605
Publication Date (Web): July 1, 2013 (Communication)
DOI: 10.1021/ja404006w
-  Section: [Heterocyclic Compounds \(More than One Hetero Atom\)](#)
- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[2353K\]](#)
[PDF w/ Links \[374K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)


- Anthryl-Substituted 3-Silylene-2-silaaziridine Obtained by Isomerization of Disilacyclopropanimine: An Exocyclic Silene Showing a Distinct Intramolecular Charge Transfer Transition** [Abstract](#) | [Supporting Info](#)
- Takeaki Iwamoto, Nobuyoshi Ohnishi, Naohiko Akasaka, Koichi Ohno, and Shintaro Ishida
pp 10606-10609
Publication Date (Web): July 8, 2013 (Communication)
DOI: 10.1021/ja404045f
-  Section: [Organometallic and Organometalloidal Compounds](#)
- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[516K\]](#)
[PDF w/ Links \[291K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)


- Covalent Immobilization of Oriented Photosystem II on a Nanostructured Electrode for Solar Water Oxidation** [Abstract](#) | [Supporting Info](#)
- Masaru Kato, Tanai Cardona, A. William Rutherford, and Erwin Reisner
pp 10610-10613
Publication Date (Web): July 5, 2013 (Communication)
DOI: 10.1021/ja404699h
-  Section: [Electrochemical, Radiational, and Thermal Energy Technology](#)
- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[508K\]](#)
[PDF w/ Links \[233K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)


- Generation of Powerful Tungsten Reductants by Visible Light Excitation** [Abstract](#) | [Supporting Info](#)
- Wesley Sattler, Maraiia E. Ener, James D. Blakemore, Aaron A. Rachford, Paul J. LaBeaume, James W. Thackeray, James F. Cameron, Jay R. Winkler, and Harry B. Gray
pp 10614-10617
Publication Date (Web): July 15, 2013 (Communication)
DOI: 10.1021/ja4047119
-  Section: [Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes](#)
- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[673K\]](#)
[PDF w/ Links \[285K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)


- Interfacial Fabrication of Single-Crystalline ZnTe Nanorods with High Blue Fluorescence** [Abstract](#) | [Supporting Info](#)
- Linrui Hou, Qiang Zhang, Luting Ling, Chen-Xiong Li, Li Chen, and Su Chen
pp 10618-10621
Publication Date (Web): July 8, 2013 (Communication)
DOI: 10.1021/ja4047476
-  Section: [Optical, Electron, and Mass Spectroscopy and Other Related Properties](#)
- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[2847K\]](#)
[PDF w/ Links \[313K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)

- Efficient Dye-Sensitized Photovoltaic Wires Based on an Organic Redox Electrolyte** [Abstract](#) | [Supporting Info](#)
- Shaowu Pan, Zhibin Yang, Houpu Li, Longbin Qiu, Hao Sun, and Huisheng Peng
pp 10622-10625
Publication Date (Web): July 15, 2013 (Communication)
DOI: 10.1021/ja405012w
-  Section: [Electrochemical, Radiational, and Thermal Energy Technology](#)
- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[3320K\]](#)
[PDF w/ Links \[311K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)

- Construction of Vicinal Tertiary and All-Carbon Quaternary Stereocenters via Ir-Catalyzed Regio-, Diastereo-, and Enantioselective Allylic Alkylation and Applications in Sequential Pd Catalysis** [Abstract](#) | [Supporting Info](#)
- ACS ActiveView PDF
Hi-Res Print, Annotate, Reference QuickView
- PDF [437K]
PDF w/ Links [289K]
Full Text HTML
- [Add to ACS ChemWorx](#)
- Wen-Bo Liu, Corey M. Reeves, Scott C. Virgil, and Brian M. Stoltz
pp 10626-10629
Publication Date (Web): July 7, 2013 (Communication)
DOI: 10.1021/ja4052075
-  Section: [General Organic Chemistry](#)


- Rhodium-Catalyzed Directed C–H Cyanation of Arenes with *N*-Cyano-*N*-phenyl-*p*-toluenesulfonamide** [Abstract](#) | [Supporting Info](#)
- ACS ActiveView PDF
Hi-Res Print, Annotate, Reference QuickView
- PDF [765K]
PDF w/ Links [292K]
Full Text HTML
- [Add to ACS ChemWorx](#)
- Tian-Jun Gong, Bin Xiao, Wan-Min Cheng, Wei Su, Jun Xu, Zhao-Jing Liu, Lei Liu, and Yao Fu
pp 10630-10633
Publication Date (Web): July 3, 2013 (Communication)
DOI: 10.1021/ja405742y
-  Section: [Benzene, Its Derivatives, and Condensed Benzenoid Compounds](#)

- A Dual Lewis Base Activation Strategy for Enantioselective Carbene-Catalyzed Annulations** [Abstract](#) | [Supporting Info](#)
- ACS ActiveView PDF
Hi-Res Print, Annotate, Reference QuickView
- PDF [887K]
PDF w/ Links [313K]
Full Text HTML
- [Add to ACS ChemWorx](#)
- Javier Izquierdo, Ane Orue, and Karl A. Scheidt
pp 10634-10637
Publication Date (Web): July 5, 2013 (Communication)
DOI: 10.1021/ja405833m
-  Section: [Heterocyclic Compounds \(One Hetero Atom\)](#)


- Synthesis of Aryl Sulfonamides via Palladium-Catalyzed Chlorosulfonylation of Arylboronic Acids** [Abstract](#) | [Supporting Info](#)
- ACS ActiveView PDF
Hi-Res Print, Annotate, Reference QuickView
- PDF [931K]
PDF w/ Links [373K]
Full Text HTML
- [Add to ACS ChemWorx](#)
- J. Robb DeBergh, Nootaree Niljianskul, and Stephen L. Buchwald
pp 10638-10641
Publication Date (Web): July 9, 2013 (Communication)
DOI: 10.1021/ja405949a
-  Section: [Benzene, Its Derivatives, and Condensed Benzenoid Compounds](#)


- Ligand-Controlled Palladium-Catalyzed Regiodivergent Suzuki–Miyaura Cross-Coupling of Allylboronates and Aryl Halides** [Abstract](#) | [Supporting Info](#)
- ACS ActiveView PDF
Hi-Res Print, Annotate, Reference QuickView
- PDF [1032K]
PDF w/ Links [391K]
Full Text HTML
- [Add to ACS ChemWorx](#)
- Yang Yang and Stephen L. Buchwald
pp 10642-10645
Publication Date (Web): July 9, 2013 (Communication)
DOI: 10.1021/ja405950c
-  Section: [Benzene, Its Derivatives, and Condensed Benzenoid Compounds](#)


ARTICLES


- Femtosecond Electron Solvation at the Ionic Liquid/Metal Electrode Interface** [Abstract](#)
- ACS ActiveView PDF
Hi-Res Print, Annotate, Reference QuickView
- PDF [1054K]
PDF w/ Links [383K]
Full Text HTML
- [Add to ACS ChemWorx](#)
- Eric A. Muller, Matthew L. Strader, James E. Johns, Aram Yang, Benjamin W. Caplins, Alex J. Shearer, David E. Suich, and Charles B. Harris
pp 10646-10653
Publication Date (Web): June 21, 2013 (Article)
DOI: 10.1021/ja3108593
-  Section: [Electrochemistry](#)


- Tetrahedral Framework Structures: Polymorphic Phase Transition with Reorientation of Hexagonal Helical Channels in the Zintl Compound $\text{Na}_5\text{Zn}_{2+x}\text{Sn}_{10-x}$ and Its Relation to $\text{Na}_5\text{Zn}_2\text{Sn}_{10}$** [Abstract](#) | [Supporting Info](#)
- Saskia Stegmaier, Sung-Jin Kim, Alexander Henze, and Thomas F. Fässler
- pp 10654-10663
Publication Date (Web): May 21, 2013 (Article)
DOI: 10.1021/ja401043b
-  Section: [Nonferrous Metals and Alloys](#)
- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
- [PDF \[4999K\]](#)
[PDF w/ Links \[693K\]](#)
[Full Text HTML](#)
- [Add to ACS ChemWorx](#)







- Metal–Organic-Frameworks-Derived General Formation of Hollow Structures with High Complexity** [Abstract](#) | [Supporting Info](#)
- Lei Zhang, Hao Bin Wu, and Xiong Wen (David) Lou
- pp 10664-10672
Publication Date (Web): June 27, 2013 (Article)
DOI: 10.1021/ja401727n
-  Section: [Electrochemical, Radiational, and Thermal Energy Technology](#)
- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
- [PDF \[2574K\]](#)
[PDF w/ Links \[733K\]](#)
[Full Text HTML](#)
- [Add to ACS ChemWorx](#)


- The Role of Reducible Oxide–Metal Cluster Charge Transfer in Catalytic Processes: New Insights on the Catalytic Mechanism of CO Oxidation on Au/TiO_2 from *ab Initio* Molecular Dynamics** [Abstract](#) | [Supporting Info](#)
- Yang-Gang Wang, Yeohoon Yoon, Vassiliki-Alexandra Glezakou, Jun Li, and Roger Rousseau
- pp 10673-10683
Publication Date (Web): June 19, 2013 (Article)
DOI: 10.1021/ja402063v
-  Section: [Catalysis, Reaction Kinetics, and Inorganic Reaction Mechanisms](#)
- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
- [PDF \[2467K\]](#)
[PDF w/ Links \[513K\]](#)
[Full Text HTML](#)
- [Add to ACS ChemWorx](#)


- Biomimetic Reagents for the Selective Free Radical and Acid–Base Chemistry of Glycans: Application to Glycan Structure Determination by Mass Spectrometry** [Abstract](#) | [Supporting Info](#)
- Jinshan Gao, Daniel A. Thomas, Chang Ho Sohn, and J. L. Beauchamp
- pp 10684-10692
Publication Date (Web): June 27, 2013 (Article)
DOI: 10.1021/ja402810t
-  Section: [Biochemical Methods](#)
- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
- [PDF \[2734K\]](#)
[PDF w/ Links \[655K\]](#)
[Full Text HTML](#)
- [Add to ACS ChemWorx](#)


- Multiple Pathways for the Primary Step of the Spiropyran Photochromic Reaction: A CASPT2/CASSCF Study** [Abstract](#) | [Supporting Info](#)
- Fengyi Liu and Keiji Morokuma
- pp 10693-10702
Publication Date (Web): July 2, 2013 (Article)
DOI: 10.1021/ja402868b
-  Section: [Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes](#)
- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
- [PDF \[3696K\]](#)
[PDF w/ Links \[576K\]](#)
[Full Text HTML](#)
- [Add to ACS ChemWorx](#)

- Design of Pd/PANI/Pd Sandwich-Structured Nanotube Array Catalysts with Special Shape Effects and Synergistic Effects for Ethanol Electrooxidation** [Abstract](#) | [Supporting Info](#)
- An-Liang Wang, Han Xu, Jin-Xian Feng, Liang-Xin Ding, Ye-Xiang Tong, and Gao-Ren Li
- pp 10703-10709
Publication Date (Web): July 9, 2013 (Article)
DOI: 10.1021/ja403101r
-  Section: [Electrochemical, Radiational, and Thermal Energy Technology](#)
- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
- [PDF \[4204K\]](#)
[PDF w/ Links \[463K\]](#)
[Full Text HTML](#)
- [Add to ACS ChemWorx](#)

- Formation of Trivalent Zirconocene Complexes from *ansa*-Zirconocene-Based Olefin-Polymerization Precatalysts: An EPR- and NMR-Spectroscopic Study** [Abstract](#) | [Supporting Info](#)
Taylor N. Lenton, John E. Bercaw, Valentina N. Panchenko, Vladimir A. Zakharov, Dmitrii E. Babushkin, Igor E. Soshnikov, Evgenii P. Talsi, and Hans H. Brintzinger
pp 10710-10719
Publication Date (Web): June 10, 2013 (Article)
DOI: 10.1021/ja403170u
 ACS Section: Organometallic and Organometalloidal Compounds
[ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[1451K\]](#)
[PDF w/ Links \[527K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)
- Linear and Nonlinear Two-Coordinate Vanadium Complexes: Synthesis, Characterization, and Magnetic Properties of V(II) Amides** [Abstract](#) | [Supporting Info](#)
Jessica N. Boynton, Jing-Dong Guo, James C. Fettinger, Christopher E. Melton, Shigeru Nagase, and Philip P. Power
pp 10720-10728
Publication Date (Web): June 19, 2013 (Article)
DOI: 10.1021/ja403244w
 ACS Section: Inorganic Chemicals and Reactions
[ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[2296K\]](#)
[PDF w/ Links \[540K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)
- Oxygen "Getter" Effects on Microstructure and Carrier Transport in Low Temperature Combustion-Processed a-InXZnO (X = Ga, Sc, Y, La) Transistors** [Abstract](#) | [Supporting Info](#)
Jonathan W. Hennek, Jeremy Smith, Aiming Yan, Myung-Gil Kim, Wei Zhao, Vinayak P. Dravid, Antonio Facchetti, and Tobin J. Marks
pp 10729-10741
Publication Date (Web): July 2, 2013 (Article)
DOI: 10.1021/ja403586x
 ACS Section: Electric Phenomena
[ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[1930K\]](#)
[PDF w/ Links \[724K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)
- Quantifying the σ and π Interactions between U(V) f Orbitals and Halide, Alkyl, Alkoxide, Amide and Ketimide Ligands** [Abstract](#) | [Supporting Info](#)
Wayne W. Lukens, Norman M. Edelstein, Nicola Magnani, Trevor W. Hayton, Skye Fortier, and Lani A. Seaman
pp 10742-10754
Publication Date (Web): June 19, 2013 (Article)
DOI: 10.1021/ja403815h
 ACS Section: General Physical Chemistry
[ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[886K\]](#)
[PDF w/ Links \[501K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)
- Hexagonal Graphene Onion Rings** [Abstract](#) | [Supporting Info](#)
Zheng Yan, Yuan Yue Liu, Jian Lin, Zhiwei Peng, Gunuk Wang, Elvira Pembroke, Haiqing Zhou, Changsheng Xiang, Abdul-Rahman O. Raji, Errol L. G. Samuel, Ting Yu, Boris I. Yakobson, and James M. Tour
pp 10755-10762
Publication Date (Web): July 2, 2013 (Article)
DOI: 10.1021/ja403915m
 ACS Section: Surface Chemistry and Colloids
[ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[1531K\]](#)
[PDF w/ Links \[514K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)
- In Situ Synthesis of Thin Zeolitic-Imidazolate Framework ZIF-8 Membranes Exhibiting Exceptionally High Propylene/Propane Separation** [Abstract](#) | [Supporting Info](#)
Hyuk Taek Kwon and Hae-Kwon Jeong
pp 10763-10768
Publication Date (Web): June 12, 2013 (Article)
DOI: 10.1021/ja403849c
 ACS Section: Fossil Fuels, Derivatives, and Related Products
[ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[3432K\]](#)
[PDF w/ Links \[374K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)

- Tandem Ring-Opening/Ring-Closing Metathesis Polymerization: Relationship between Monomer Structure and Reactivity** [Abstract](#) | [Supporting Info](#)
Hyeon Park, Ho-Keun Lee, and Tae-Lim Choi
pp 10769-10775
Publication Date (Web): July 11, 2013 (Article)
DOI: 10.1021/ja4039278

- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[720K\]](#)
[PDF w/ Links \[403K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)

- Selective Oxidation of Alcohols to Esters Using Heterogeneous $\text{Co}_3\text{O}_4\text{-N@C}$ Catalysts under Mild Conditions** [Abstract](#) | [Supporting Info](#)
Rajenahally V. Jagadeesh, Henrik Junge, Marga-Martina Pohl, Jörg Radnik, Angelika Brückner, and Matthias Beller
pp 10776-10782
Publication Date (Web): May 13, 2013 (Article)
DOI: 10.1021/ja403615c

- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[993K\]](#)
[PDF w/ Links \[461K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)


- Thioesterase Domains of Fungal Nonreducing Polyketide Synthases Act as Decision Gates during Combinatorial Biosynthesis** [Abstract](#) | [Supporting Info](#)
Yuquan Xu, Tong Zhou, Shuwei Zhang, Li-Jiang Xuan, Jixun Zhan, and István Molnár
pp 10783-10791
Publication Date (Web): July 3, 2013 (Article)
DOI: 10.1021/ja4041362

- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[2965K\]](#)
[PDF w/ Links \[544K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)

- Exploiting Hidden Symmetry in Natural Products: Total Syntheses of Amphidinolides C and F** [Abstract](#) | [Supporting Info](#)
Subham Mahapatra and Rich G. Carter
pp 10792-10803
Publication Date (Web): July 11, 2013 (Article)
DOI: 10.1021/ja404796n

- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[2236K\]](#)
[PDF w/ Links \[952K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)

- Detection of Isomeric Microscopic Host-Guest Complexes. A Time-Evolving Cucurbit[7]uril Complex** [Abstract](#) | [Supporting Info](#)
Mohammad Hossein Tootoonchi, Song Yi, and Angel E. Kaifer
pp 10804-10809
Publication Date (Web): June 24, 2013 (Article)
DOI: 10.1021/ja404797y

- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[1304K\]](#)
[PDF w/ Links \[357K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)

- Unraveling the Photoluminescence Response of Light-Switching Ruthenium(II) Complexes Bound to Amyloid- β** [Abstract](#) | [Supporting Info](#)
Nathan P. Cook, Mehmet Ozbil, Christina Katsampes, Rajeev Prabhakar, and Angel A. Martí
pp 10810-10816
Publication Date (Web): July 11, 2013 (Article)
DOI: 10.1021/ja404850u

- [ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[2480K\]](#)
[PDF w/ Links \[366K\]](#)
[Full Text HTML](#)
[Add to ACS ChemWorx](#)

- Precise Supramolecular Control of Selectivity in the Rh-Catalyzed Hydroformylation of Terminal and Internal Alkenes**
Paweł Dydio, Remko J. Detz, and Joost N. H. Reek
pp 10817-10828
Publication Date (Web): June 25, 2013 (Article)
DOI: 10.1021/ja4046235
- ACS Section: **Physical Organic Chemistry**
- Abstract | Supporting Info
ACS ActiveView PDF
Hi-Res Print, Annotate, Reference QuickView
PDF [2729K]
PDF w/ Links [602K]
Full Text HTML
Add to ACS ChemWorx

- Catalyst-Controlled Divergent C–H Functionalization of Unsymmetrical 2-Aryl Cyclic 1,3-Dicarbonyl Compounds with Alkynes and Alkenes**
Johnathon D. Dooley, Suresh Reddy Chidipudi, and Hon Wai Lam
pp 10829-10836
Publication Date (Web): June 27, 2013 (Article)
DOI: 10.1021/ja404867k
- ACS Section: **Benzene, Its Derivatives, and Condensed Benzenoid Compounds**
- Abstract | Supporting Info
ACS ActiveView PDF
Hi-Res Print, Annotate, Reference QuickView
PDF [1738K]
PDF w/ Links [542K]
Full Text HTML
Add to ACS ChemWorx

- Precursor Transformation during Molecular Oxidation Catalysis with Organometallic Iridium Complexes**
Ulrich Hintermair, Stafford W. Sheehan, Alexander R. Parent, Daniel H. Ess, David T. Richens, Patrick H. Vaccaro, Gary W. Brudvig, and Robert H. Crabtree
pp 10837-10851
Publication Date (Web): July 3, 2013 (Article)
DOI: 10.1021/ja4048762
- ACS Section: **Catalysis, Reaction Kinetics, and Inorganic Reaction Mechanisms**
- Abstract | Supporting Info
ACS ActiveView PDF
Hi-Res Print, Annotate, Reference QuickView
PDF [4280K]
PDF w/ Links [867K]
Full Text HTML
Add to ACS ChemWorx

- Porphyrins Fused with Strongly Electron-Donating 1,3-Dithiol-2-ylidene Moieties: Redox Control by Metal Cation Complexation and Anion Binding**
Nathan L. Bill, Masatoshi Ishida, Steffen Bähring, Jong Min Lim, Sangsu Lee, Christina M. Davis, Vincent M. Lynch, Kent A. Nielsen, Jan O. Jeppesen, Kei Ohkubo, Shunichi Fukuzumi, Dongho Kim, and Jonathan L. Sessler
pp 10852-10862
Publication Date (Web): June 21, 2013 (Article)
DOI: 10.1021/ja404830y
- ACS Section: **Inorganic Chemicals and Reactions**
- Abstract | Supporting Info
ACS ActiveView PDF
Hi-Res Print, Annotate, Reference QuickView
PDF [2392K]
PDF w/ Links [614K]
Full Text HTML
Add to ACS ChemWorx

- Engineering an Enantioselective Amine Oxidase for the Synthesis of Pharmaceutical Building Blocks and Alkaloid Natural Products**
Diego Ghislieri, Anthony P. Green, Marta Pontini, Simon C. Willies, Ian Rowles, Annika Frank, Gideon Grogan, and Nicholas J. Turner
pp 10863-10869
Publication Date (Web): June 28, 2013 (Article)
DOI: 10.1021/ja4051235
- ACS Section: **Fermentation and Bioindustrial Chemistry**
- Abstract | Supporting Info
ACS ActiveView PDF
Hi-Res Print, Annotate, Reference QuickView
PDF [2803K]
PDF w/ Links [484K]
Full Text HTML
Add to ACS ChemWorx

- In Situ AFM Imaging of LI–O₂ Electrochemical Reaction on Highly Oriented Pyrolytic Graphite with Ether-Based Electrolyte**
Rui Wen, Misun Hong, and Hye Ryung Byon
pp 10870-10876
Publication Date (Web): June 28, 2013 (Article)
DOI: 10.1021/ja405188g
- ACS Section: **Electrochemical, Radiational, and Thermal Energy Technology**
- Abstract | Supporting Info
ACS ActiveView PDF
Hi-Res Print, Annotate, Reference QuickView
PDF [1486K]
PDF w/ Links [550K]
Full Text HTML
Add to ACS ChemWorx

ADDITIONS AND CORRECTIONS

Correction to Interaction of Cisplatin with Adenine and Guanine: A Combined IRMPD, MS/MS, and Theoretical Study

Barbara Chiavarino, Maria Elisa Crestoni, Simonetta Fornarini, Debora Scuderi, and Jean-Yves Salpin

pp 10877-10877

Publication Date (Web): July 12, 2013 (Addition/Correction)

DOI: 10.1021/ja405235n

 Section: **Inorganic Chemicals and Reactions**
[First Page](#)
[Original Article](#)
[ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[325K\]](#)[PDF w/ Links \[136K\]](#)[Full Text HTML](#)[Add to ACS ChemWorx](#)
 Correction to Isolation of Notoamide E, a Key Precursor in the Biosynthesis of Prenylated Indole Alkaloids in a Marine-Derived Fungus, Aspergillus sp.

Sachiko Tsukamoto, Hikaru Kato, Thomas J. Greshock, Hiroshi Hirota, Tomihisa Ohta, and Robert M. Williams

pp 10878-10878

Publication Date (Web): July 15, 2013 (Addition/Correction)

DOI: 10.1021/ja405894m

 ACS AuthorChoice  Section: **Microbial, Algal, and Fungal Biochemistry**
[First Page](#)
[Original Article](#)
[ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[176K\]](#)[PDF w/ Links \[120K\]](#)[Full Text HTML](#)[Add to ACS ChemWorx](#)
 Correction to Multisite Prenylation of 4-Substituted Tryptophans by Dimethylallyltryptophan Synthase

Jeffrey D. Rudolf, Hong Wang, and C. Dale Poulter

pp 10879-10879

Publication Date (Web): July 12, 2013 (Addition/Correction)

DOI: 10.1021/ja405989j

 Section: **Enzymes**
[First Page](#)
[Original Article](#)
[ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[219K\]](#)[PDF w/ Links \[139K\]](#)[Full Text HTML](#)[Add to ACS ChemWorx](#)
 Correction to Palladium-Catalyzed Cross-Coupling of Aryl Chlorides and Triflates with Sodium Cyanate: A Practical Synthesis of Unsymmetrical Ureas

Ekaterina V. Vinogradova, Brett P. Fors, and Stephen L. Buchwald

pp 10880-10880

Publication Date (Web): July 15, 2013 (Addition/Correction)

DOI: 10.1021/ja4058019

 Section: **Benzene, Its Derivatives, and Condensed Benzenoid Compounds**
[First Page](#)
[Original Article](#)
[ACS ActiveView PDF](#)
Hi-Res Print, Annotate, Reference QuickView
[PDF \[117K\]](#)[PDF w/ Links \[118K\]](#)[Full Text HTML](#)[Add to ACS ChemWorx](#)
 For Selected: [View Abstracts](#) [Add to ACS ChemWorx](#) [Download Citations](#)
1155 Sixteenth Street N.W.
Washington, DC 20036

Products

[Journals A-Z](#)[Books](#)[C&EN](#)[C&EN Archives](#)[ACS Legacy Archives](#)[ACS Mobile](#)[Video](#)

User Resources

[About Us](#)[ACS Members](#)[Librarians](#)[Authors & Reviewers](#)[Website Demos](#)

Support

[Get Help](#)[For Advertisers](#)[Institutional Sales](#)[Live Chat](#)

Partners

[Atypon](#)[COPE](#)[COUNTER](#)[CrossRef](#)[ORCID Open Researcher & Contributor ID](#)[PORTICO](#)

Search ACS Publications

Search Anywhere **Search**