

**1. Two New Receptors for Carboxylate Anions with an IR-Active Reporting Group**

Xiaohui Tian, Li Song, Yizhong Yuan, Jiaping Lin

*Organometallics* **2010** 29 (3), 509-511

**2. Synthesis and Reactivity of the Triply Bonded Binuclear Anion  $[W_2(\eta^5-C_5H_5)_2(\mu-PCy_2)(\mu-CO)_2]^-$ : Tungsten Makes a Difference**

M. Angeles Alvarez, M. Esther García, Daniel García-Vivó, Miguel A. Ruiz, M. Fernanda Vega

*Organometallics* **2010** 29 (3), 512-515

**3. The Zirconium Benzyl Mediated C–N Bond Cleavage of an Amino-Linked N-Heterocyclic Carbene**

Yu-Cheng Hu, Chung-Chih Tsai, Wei-Chih Shih, Glenn P. A. Yap, Tiow-Gan Ong

*Organometallics* **2010** 29 (3), 516-518

**4. Ruthenium Seleno- and Tellurocarbonyl Complexes: Selenium and Tellurium Atom Transfer to a Terminal Carbido Ligand**

Yuichiro Mutoh, Naoki Kozono, Miho Araki, Noriko Tsuchida, Keiko Takano, Youichi Ishii

*Organometallics* **2010** 29 (3), 519-522

**5. A New Approach for Understanding the Mechanism of Butadiene and Butenol Reactions with  $Pd(TPPTS)_3$  Catalyst in Water**

Emile Kuntz, Jean-Marie Basset, Denis Bouchu, Gregory Godard, Frédéric Lefebvre, Nicolas Legagneux, Christine Lucas, Daniel Michelet

*Organometallics* **2010** 29 (3), 523-526

**6. Theoretical Investigations on Reactions of a Series of Stable Dialkyl-Substituted Silicon–Chalcogen Doubly Bonded Compounds**

Jeng-Horng Sheu, Ming-Der Su

*Organometallics* **2010** 29 (3), 527-535

**7. Palladium Template Promoted Asymmetric Synthesis of 1,2-Diphosphines by Hydrophosphination of Functionalized Allenes**

Yinhua Huang, Sumod A. Pullarkat, Mingjun Yuan, Yi Ding, Yongxin Li, Pak-Hing Leung

*Organometallics* **2010** 29 (3), 536-542

**8. Preference of  $H_2$  as Hydrogen Source in Hydrogenation of Ketones Catalyzed by Late Transition Metal Complexes. A DFT Study**

Ming Lei, Wenchao Zhang, Yue Chen, Yanhui Tang

*Organometallics* **2010** 29 (3), 543-548

**9. Half-Sandwich Indenyl Rare Earth Metal Dialkyl Complexes: Syntheses, Structures, and Catalytic Activities of (1,3-(SiMe<sub>3</sub>)<sub>2</sub>C<sub>9</sub>H<sub>5</sub>)Ln(CH<sub>2</sub>SiMe<sub>3</sub>)<sub>2</sub>(THF)**

Xin Xu, Yaofeng Chen, Jian Feng, Gang Zou, Jie Sun

*Organometallics* **2010** 29 (3), 549-553

**10. Benzimidazoles as Ligands in the Ruthenium-Catalyzed Enantioselective Bifunctional Hydrogenation of Ketones**

Jeremy M. Praetorius, Ruiyao Wang, Cathleen M. Crudden

*Organometallics* **2010** 29 (3), 554-561

**11. Density Functional Study of the [2+2+2] Cyclotrimerization of Acetylene Catalyzed by Wilkinson's Catalyst, RhCl(PPh<sub>3</sub>)<sub>3</sub>**

Anna Dachs, S<sup>†</sup>lvia Osuna, Anna Roglans, Miquel Sol<sup>à</sup>

*Organometallics* **2010** 29 (3), 562-569

**12. Palladium(II) and Platinum(II) Complexes Featuring a Nitrile-Functionalized N-Heterocyclic Carbene Ligand**

Wylie W. N. O, Alan J. Lough, Robert H. Morris

*Organometallics* **2010** 29 (3), 570-581

**13. Use of <sup>73</sup>Ge NMR Spectroscopy and X-ray Crystallography for the Study of Electronic Interactions in Substituted Tetrakis(phenyl)-, -(phenoxy)-, and -(thiophenoxy)germanes**

Claude H. Yoder, Tamara M. Agee, Allison K. Griffith, Charles D. Schaeffer Jr., Mary J. Carroll, Alaina S. DeToma, Adam J. Fleisher, Cameron J. Gettel, Arnold L. Rheingold

*Organometallics* **2010** 29 (3), 582-590

**14. Low-Valent Ruthenium Complexes of the Non-innocent 2,6-Bis(imino)pyridine Ligand**

Michelle Gallagher, Noah L. Wieder, Vladimir K. Dioumaev, Patrick J. Carroll, Donald H. Berry

*Organometallics* **2010** 29 (3), 591-603

**15. Complexation and C-H/C-P Bond Activation of the (PPh<sub>2</sub>)C<sub>60</sub>H Molecule on Triosmium Carbonyl Clusters**

Wen-Yann Yeh, Kune-You Tsai

*Organometallics* **2010** 29 (3), 604-609

**16. Reactions Starting from Diiron Propanedithiolate [(μ-SCH<sub>2</sub>)<sub>2</sub>CH(OH)]Fe<sub>2</sub>(CO)<sub>6</sub> Leading to Malonyl-, PPh<sub>3</sub>-, and [60]Fullerene-Containing Compounds Relevant to the Active Site of FeFe-Hydrogenases**

Li-Cheng Song, Xu-Feng Liu, Jiang-Bo Ming, Jian-Hua Ge, Zhao-Jun Xie, Qing-Mei Hu

*Organometallics* **2010** 29 (3), 610-617

**17. Synthesis and Reactivity of NH<sub>2</sub> Derivatives of Dodecamethylcyclohexasilane**

Harald Stueger, Gottfried Fuerpass, Thomas Mitterfellner, Judith Baumgartner

*Organometallics* **2010** 29 (3), 618-623

**18. Selective Activation of Benzylic Carbon–Hydrogen Bonds of Toluenes with Rhodium(III) Porphyrin Methyl: Scope and Mechanism**

Kwong Shing Choi, Peng Fai Chiu, Kin Shing Chan

*Organometallics* **2010** 29 (3), 624-629

**19. Unsaturation and Variable Hapticity in Binuclear Azulene Iron Carbonyl Complexes**

Hongyan Wang, Zhonghua Sun, Yaoming Xie, R. Bruce King, Henry F. Schaefer III

*Organometallics* **2010** 29 (3), 630-641

**20. Dinuclear Dicyclopentadienyl Titanium Complexes with Bridging Cyclopentadienylsiloxo Ligands**

Lorena Postigo, Luca Bellarosa, Javier Sánchez-Nieves, Pascual Royo, Agust<sup>1</sup> Lled<sup>o</sup>s, Marta E. G. Mosquera

*Organometallics* **2010** 29 (3), 642-655

**21. Partial Ring-Opening and Rearrangement Reactions of P,C-Cages to Yield Unusual Phosphinous Acids Stabilized by Pentacarbonyltungsten**

Maren Bode, Gregor Schnakenburg, Jörg Daniels, Angela Marinetti, Rainer Streubel

*Organometallics* **2010** 29 (3), 656-661

**22. Fast Kinetics Study of the Reactions of Transient Silylenes with Alcohols. Direct Detection of Silylene–Alcohol Complexes in Solution**

William J. Leigh, Svetlana S. Kostina, Adroha Bhattacharya, Andrey G. Moiseev

*Organometallics* **2010** 29 (3), 662-670

**23. Ambiphilic Reactivity of a Phosphane-Functionalized Cycloheptatrienyl–Cyclopentadienyl Zirconium Sandwich Complex**

Susanne Büschel, Constantin Daniliuc, Peter G. Jones, Matthias Tamm

*Organometallics* **2010** 29 (3), 671-675

**24. Different Reactivity Patterns of Trimethylsilyl- and Phenyl-Substituted Propargylallenes: Fe<sub>2</sub>(CO)<sub>9</sub>- and [Ag]<sup>+</sup>-Promoted Cyclizations**

Pascal Ouli<sup>é</sup>, Lena Altes, Sandra Milosevic, Romain Bouteille, Helge Müller-Bunz, Michael J. McGlinchey

*Organometallics* **2010** 29 (3), 676-686

**25. Phosphine-Catalyzed Si–C Coupling of Bissilylmethanes: Preparation of Cyclic (Cl<sub>2</sub>SiCH<sub>2</sub>)<sub>2</sub> and Linear Cl<sub>2</sub>Si(CH<sub>2</sub>SiCl<sub>3</sub>)<sub>2</sub> via Silylene and Silene Intermediates**

Soon Hyun Hong, Sang Il Hyun, Il Nam Jung, Won-Sik Han, Min-Hye Kim, Hoseop Yun, Suk-Woo Nam, Sang Ook Kang

*Organometallics* **2010** 29 (3), 687-691

**26. Attempting to Reduce the Irreducible: Preparation of a Rare Paramagnetic Thorium Species**

Ilya Korobkov, Balamurugan Vidjayacoumar, Serge I. Gorelsky, Paul Billone, Sandro Gambarotta

*Organometallics* **2010** 29 (3), 692-702

**27. Synthesis of a New C<sub>3</sub>-Symmetric Tripodal P<sub>4</sub>-Tetradentate Ligand and Its Application to the Formation of Chiral Metal Complexes**

Dirk Penno, Igor O. Koshevoy, Francisco Estevan, Mercedes Sana<sup>†</sup>, Maria Angeles Ubeda, Julia Pérez-Prieto

*Organometallics* **2010** 29 (3), 703-706