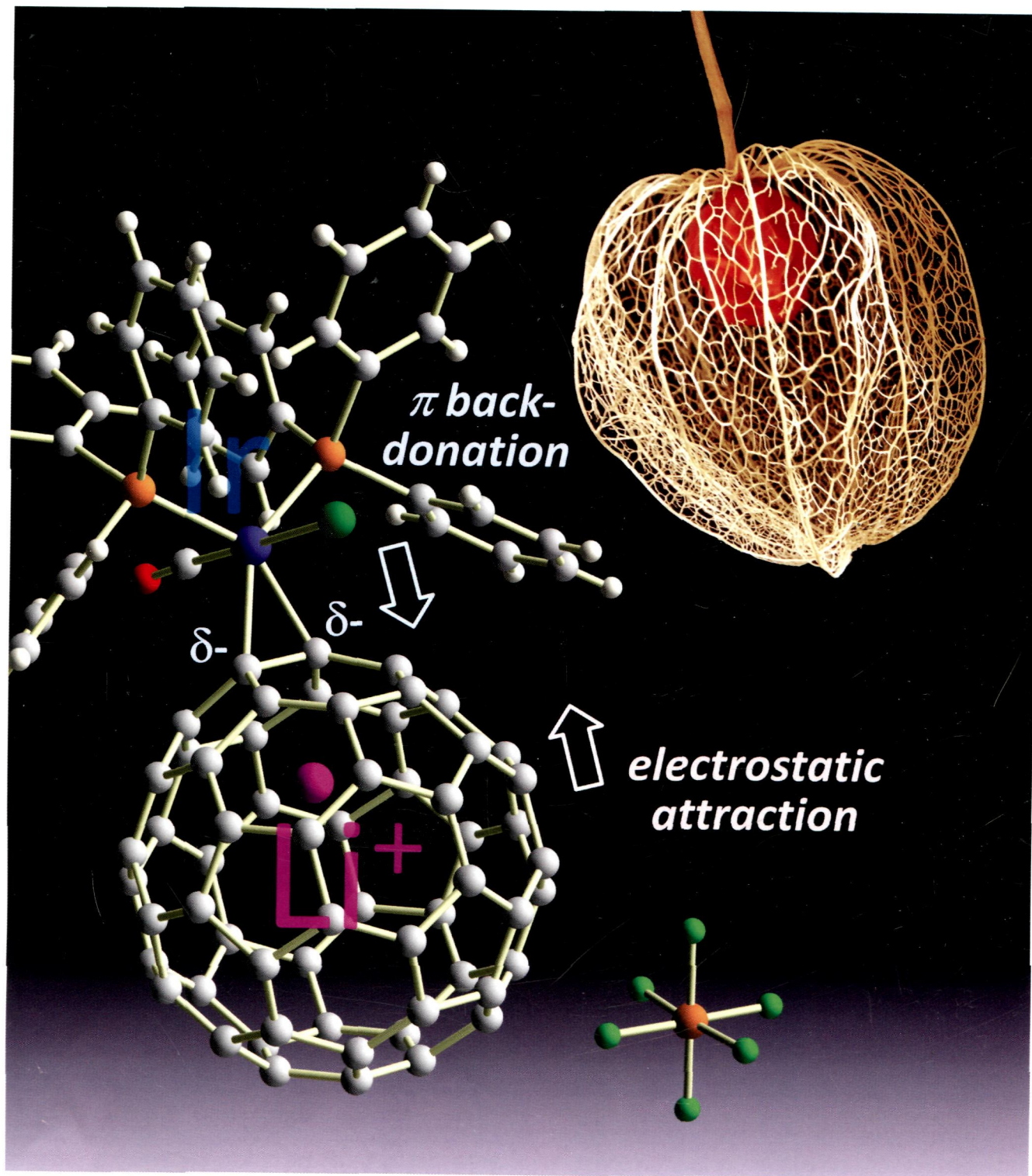


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ON THE COVER: The cover graphic shows the iridium complex of the lithium cation encapsulated fullerene $\text{Li}^+@C_{60}$ and a dried *hozuki* (Chinese lantern). The shape of the $\text{Li}^+@C_{60}$ moiety resembles that of a *hozuki* encapsulating a bright red fruit. The encaged lithium cation of the complex is chemically fully protected from the outside world, but it greatly strengthens the π back-donation to the C_{60} cage from the iridium center. At the same time, the lithium cation is attracted toward the two negatively charged carbon atoms bound to the iridium center. See the paper by Tobita et al. on pages 608–611.

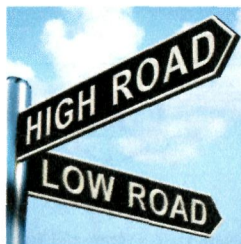
Editor's Page

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[dx.doi.org/10.1021/om401186q](https://doi.org/10.1021/om401186q)

Editors' Comments on the Addition/Correction to "Synthesis, Structure, and Catalytic Studies of Palladium and Platinum Bis-Sulfoxide Complexes"

John A. Gladysz* and Lanny S. Liebeskind



Communications

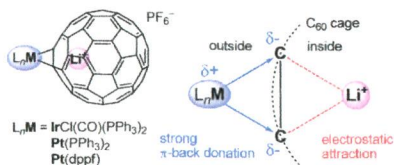
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[dx.doi.org/10.1021/om4008899](https://doi.org/10.1021/om4008899)

Iridium and Platinum Complexes of $\text{Li}^+@C_{60}$

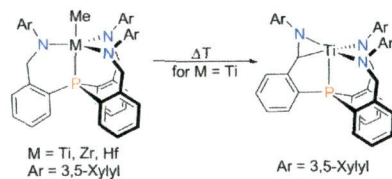
Takahito Watanabe, Masato F. Itoh, Takashi Komuro, Hiroshi Okada, Takeshi Sakai, Yoshihiro Ono, Kazuhiko Kawachi, Yasuhiko Kasama, and Hiromi Tobita*



A Novel Trisamidophosphine Ligand and Its Group(IV) Metal Complexes

Malte Sietzen, Hubert Wadepohl, and Joachim Ballmann*

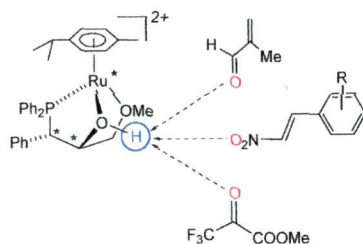
dx.doi.org/10.1021/om401018f



Arene–Ruthenium Chemistry and Brønsted Acid Catalysis of a Chiral Phosphane-Hydroxyl Ligand

Daniel Carmona,* M. Pilar Lamata,* Pilar Pardo, Ricardo Rodríguez,* Fernando J. Lahoz, Pilar García-Orduña, Ibon Alkorta, José Elguero, and Luis A. Oro

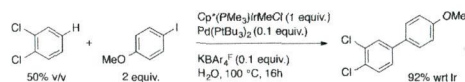
dx.doi.org/10.1021/om401215m



Iridium-Promoted, Palladium-Catalyzed Direct Arylation of Unactivated Arenes

Landon J. Durak and Jared C. Lewis*

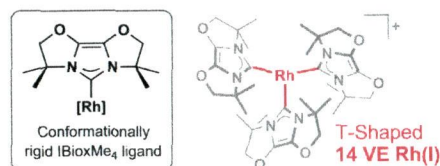
dx.doi.org/10.1021/om401221v



Rhodium(I) Complexes of the Conformationally Rigid IBioxMe₄ Ligand: Isolation of a Stable Low-Coordinate T-Shaped Complex

Adrian B. Chaplin*

dx.doi.org/10.1021/om401223w

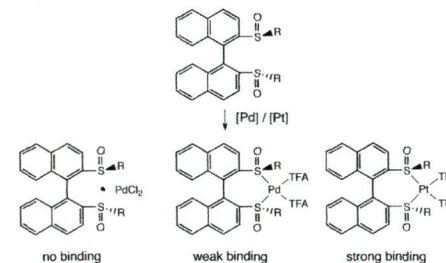


Articles

Synthesis, Structure, and Catalytic Studies of Palladium and Platinum Bis-Sulfoxide Complexes

Emma E. Drinkel, Linglin Wu, Anthony Linden, and Reto Dorta*

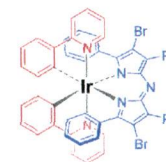
dx.doi.org/10.1021/om4000067



Cyclometalated Iridium(III) Complexes of Azadipyrromethene Chromophores

Nihal Deligonul, Amberle R. Browne, James A. Golen, Arnold L. Rheingold, and Thomas G. Gray*

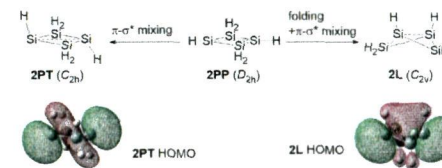
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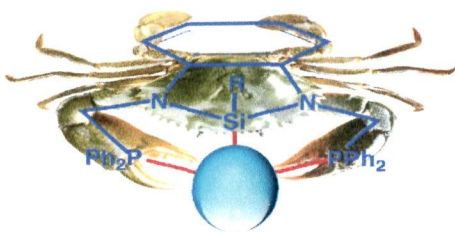
Importance of π - σ^* Orbital Mixing in Bonding and Structure of Bicyclo[1.1.0]tetrasilane and Related Compounds

Mitsuo Kira*

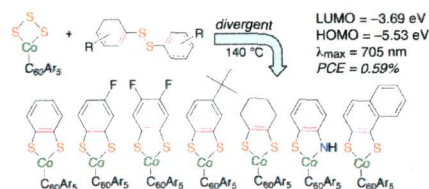
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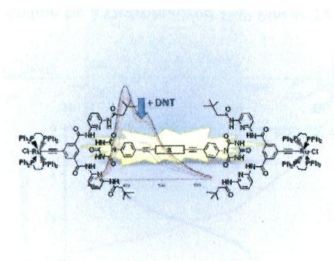
- 653 **5** dx.doi.org/10.1021/om400792j
N-Heterocyclic Silyl Pincer Ligands
 Lily S. H. Dixon, Anthony F. Hill,* Arup Sinha, and Jas S. Ward



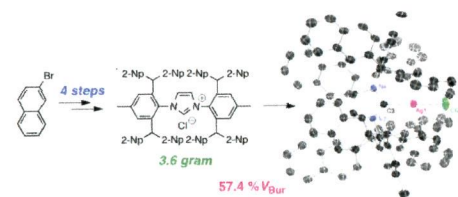
- 659 **5** dx.doi.org/10.1021/om400796p
Divergent Synthesis and Tuning of the Electronic Structures of Cobalt–Dithiolene–Fullerene Complexes for Organic Solar Cells
 Yutaka Matsuo,* Keisuke Ogumi, Masashi Maruyama, and Takafumi Nakagawa



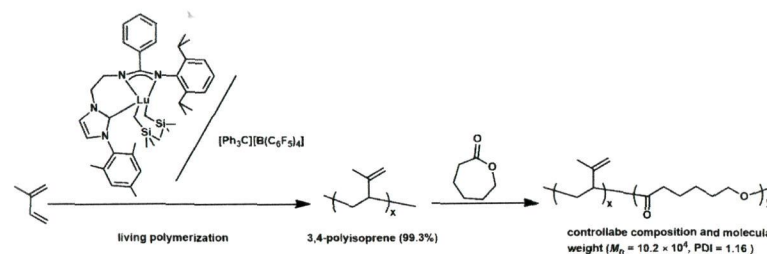
- 665 **5** dx.doi.org/10.1021/om400811z
Supramolecular Ruthenium–Alkynyl Multicomponent Architectures: Engineering, Photophysical Properties, and Responsiveness to Nitroaromatics
 Rafik Gatri, Ines Ouerfelli, Mohamed Lofti Efrat, Françoise Serein-Spirau, Jean-Pierre Lère-Porte, Pierre Valvin, Thierry Roisnel, Sébastien Bivaud, Huriye Akdas-Kilig, and Jean-Luc Fillaut*



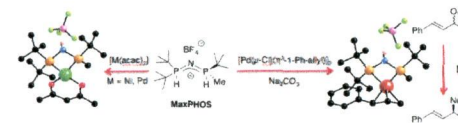
- 677 **5** dx.doi.org/10.1021/om400895s
IPr*(2-Np)—An Exceedingly Bulky N-Heterocyclic Carbene
 Steve Dierick, Damien F. Dewez, and István E. Markó*



- 684 **5** dx.doi.org/10.1021/om400925a
Highly 3,4-Selective Living Polymerization of Isoprene and Copolymerization with ε-Caprolactone by an Amidino N-Heterocyclic Carbene Ligated Lutetium Bis(alkyl) Complex
 Changguang Yao, Dongtao Liu, Ping Li, Chunji Wu, Shihui Li, Bo Liu, and Dongmei Cui*

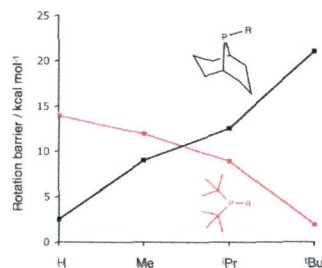


- 692 **5** dx.doi.org/10.1021/om400952y
Nickel(II) and Palladium(II) Complexes of the Small-Bite-Angle P-Stereogenic Diphosphine Ligand MaxPHOS and Its Monosulfide
 Arnald Grabulosa,* Séan Doran, Guillem Brandariz, Guillermo Muller, Jordi Benet-Buchholz, Antoni Riera, and Xavier Verdaguer*



Unexpectedly High Barriers to M–P Rotation in Tertiary Phobane Complexes: PhobPR Behavior That Is Commensurate with ^tBu₂PR

Julia M. Lister, Monica Carreira, Mairi F. Haddow, Alex Hamilton, Claire L. McMullin,* A. Guy Orpen, Paul G. Pringle,* and Tom E. Stennett



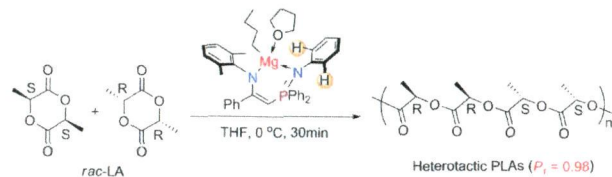
Mechanism of N–H Bond Cleavage of Aniline by a Dearomatized PNP-Pincer Type Phosphaalkene Complex of Iridium(II)

Yung-Hung Chang, Yumiko Nakajima, Hiromasa Tanaka, Kazunari Yoshizawa,* and Fumiyouki Ozawa*



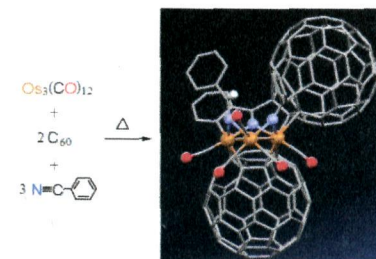
Phosphinimino-amino Magnesium Complexes: Synthesis and Catalysis of Heteroselective ROP of *rac*-Lactide

Hongyan Xie, Zehuai Mou, Bo Liu, Ping Li, Weifeng Rong, Shihui Li, and Dongmei Cui*



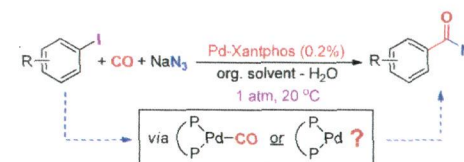
Unusual Coupling Reaction of C₆₀ and Benzonitrile with Triosmium Carbonyls To Generate Fullerodiketimide Cluster Complexes

Yi-Sin Lin and Wen-Yann Yeh*



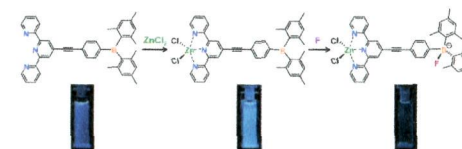
The Challenge of Palladium-Catalyzed Aromatic Azidocarbonylation: From Mechanistic and Catalyst Deactivation Studies to a Highly Efficient Process

Fedor M. Miloserdov, Claire L. McMullin, Marta Martínez Belmonte, Jordi Benet-Buchholz, Vladimir I. Bakhmutov, Stuart A. Macgregor,* and Vladimir V. Grushin*



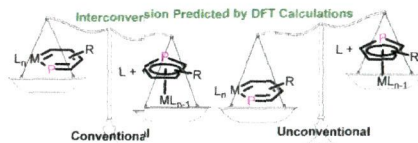
Terpyridine-Triarylborane Conjugates for the Dual Complexation of Zinc(II) Cation and Fluoride Anion

Young Hoon Lee, Nguyen Van Nghia, Min Jeong Go, Junseong Lee, Sang Uck Lee,* and Min Hyung Lee*



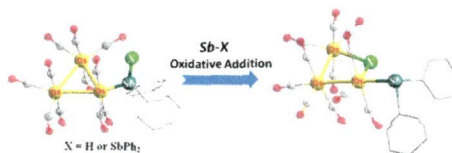
Computations Offer an Unconventional Route to Metallaphosphabenzene from a Half-Phosphametalloocene

Chao Huang, Yulei Hao, Yufen Zhao,* and Jun Zhu*



Oxidative Addition across Sb–H and Sb–Sb Bonds by an Osmium Carbonyl Cluster: Trapping the Intermediate

Ying-Zhou Li, Rakesh Ganguly, and Weng Kee Leong*



Additions and Corrections

Correction to Synthesis, Structure, and Catalytic Studies of Palladium and Platinum Bis-Sulfoxide Complexes

Emma E. Drinkel, Linglin Wu, Anthony Linden, and Reto Dorta*

Correction to Neutral Bimetallic Nickel(II) Phenoxyiminato Catalysts for Highly Branched Polyethylenes and Ethylene–Norbornene Copolymerizations

Brandon Rodriguez, Massimiliano Delferro, and Tobin J. Marks*