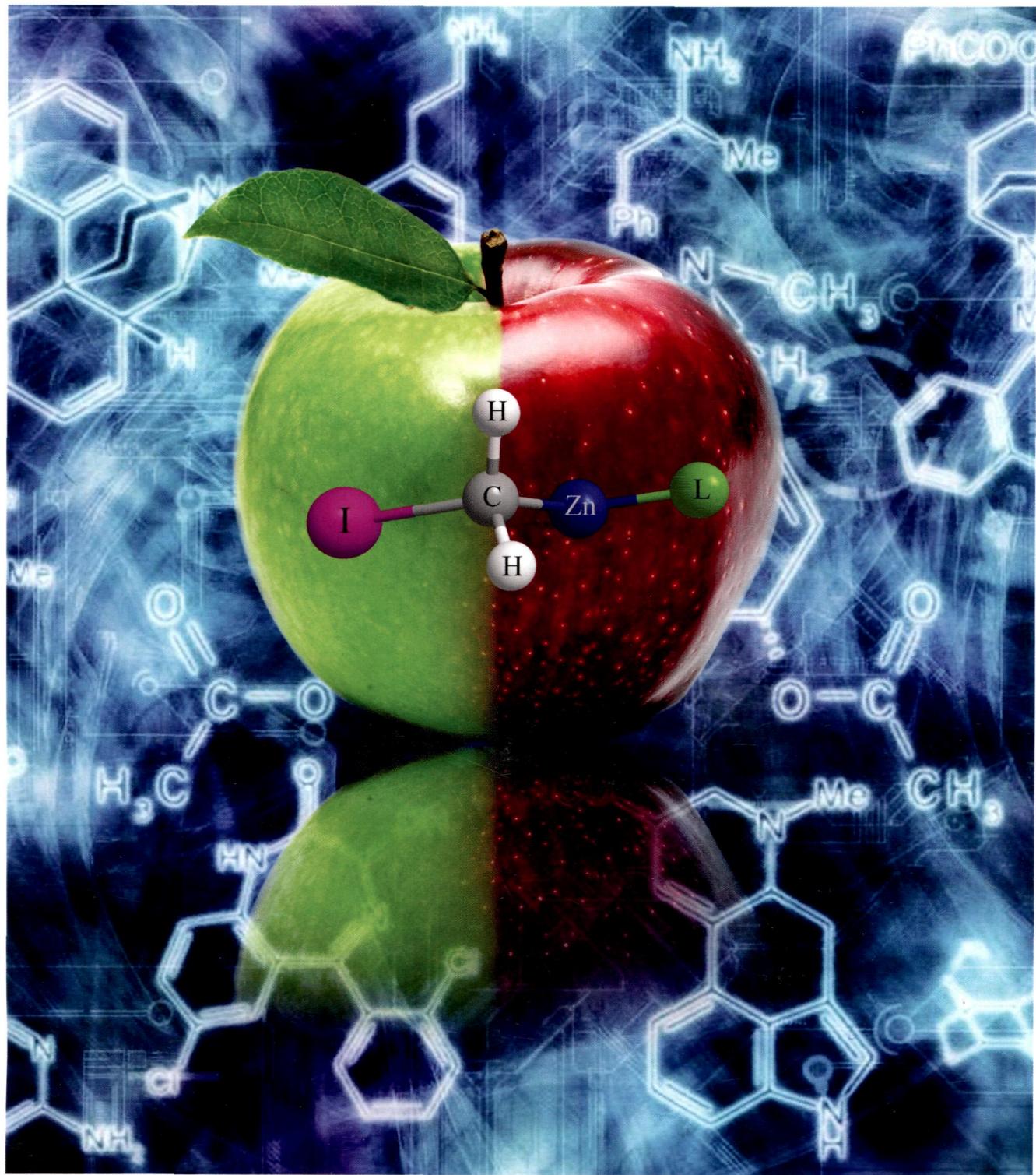


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# ORGANOMETALLICS



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**ON THE COVER:** The cover depicts an apple, colored in green and red (two halves) with a representation of a zinc carbenoid molecule on a blue background. This symbolizes the creation of asymmetry through the use of carbenoids. See the paper by Marek et al. on pages 942–950.

## Editor's Page

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[dx.doi.org/10.1021/om400058x](https://doi.org/10.1021/om400058x)

Award-Winning Organometallic Chemistry: The 2011 RSC Organometallic Chemistry Award (and More)  
John A. Gladysz

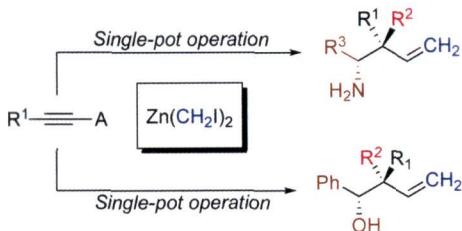


## Reviews

942

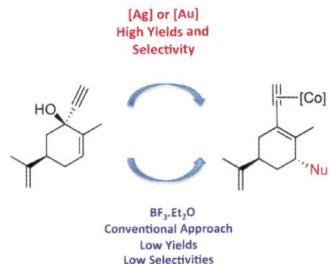
[dx.doi.org/10.1021/om301220a](https://doi.org/10.1021/om301220a)

The Renaissance of Zinc Carbenoid in Stereoselective Synthesis in Acyclic Systems  
Morgane Pasco, Noga Gilboa, Tom Mejuch, and Ilan Marek\*



## The Gold(I)- and Silver(I)-Catalyzed Nicholas Reaction

Carolina Valderas, María C. de la Torre,\* Israel Fernández, María Paz Muñoz, and Miguel A. Sierra\*



dx.doi.org/10.1021/om3011257

## Articles

**Cp\*** Iridium Precatalysts for Selective C–H Oxidation with Sodium Periodate As the Terminal Oxidant

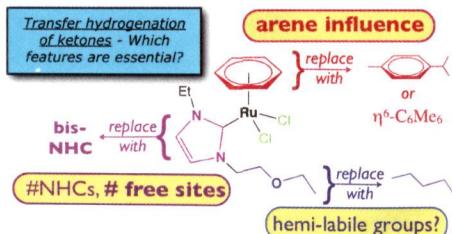
Meng Zhou, Ulrich Hintermair, Brian G. Hashiguchi, Alexander R. Parent, Sara M. Hashmi, Menachem Elimelech,\* Roy A. Periana,\* Gary W. Brudvig,\* and Robert H. Crabtree\*



dx.doi.org/10.1021/om301252w

## Variations on an NHC Theme: Which Features Enhance Catalytic Transfer Hydrogenation with Ruthenium Complexes?

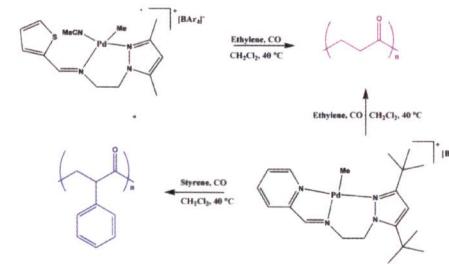
Joseph DePasquale, Mukesh Kumar, Matthias Zeller, and Elizabeth T. Papish\*



dx.doi.org/10.1021/om300547f

## Ethylene and Styrene Carbon Monoxide Copolymerization Catalyzed by Pyrazolyl Palladium(II) Complexes

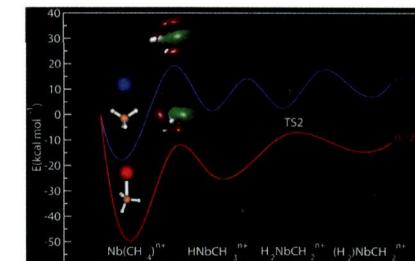
Collins Obuah, Michael K. Ainooson, Sibulele Boltina, Ilia A. Guzei, Kyoko Nozaki, and James Darkwa\*



dx.doi.org/10.1021/om300798y

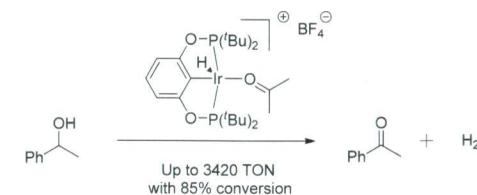
## Methane Dehydrogenation by Niobium Ions: A First-Principles Study of the Gas-Phase Catalytic Reactions

K. J. de Almeida,\* T. C. Ramalho, J. L. Neto, R. T. Santiago, V. C. Felicissimo, and H. A. Duarte

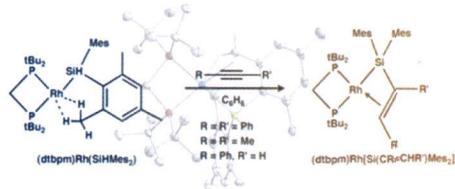


## Dehydrogenation of Alcohols by Bis(phosphinite) Benzene Based and Bis(phosphine) Ruthenocene Based Iridium Pincer Complexes

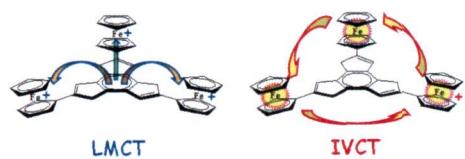
Alexey V. Polukeev, Pavel V. Petrovskii, Alexander S. Peregudov, Mariam G. Ezernitskaya, and Avtandil A. Koridze\*



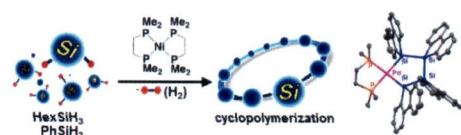
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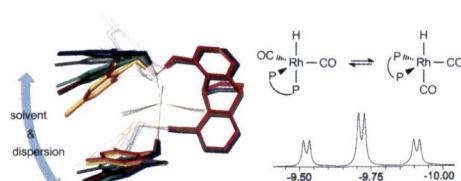
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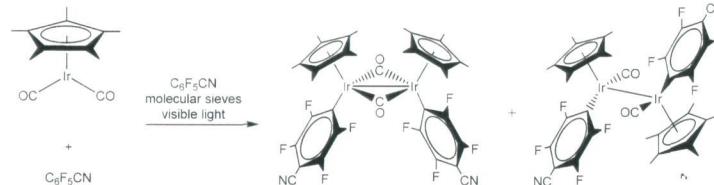
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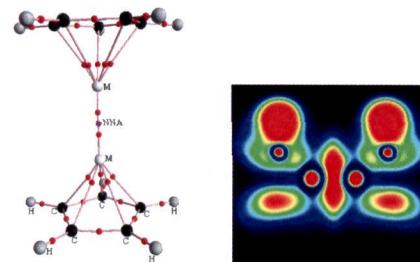
dx.doi.org/10.1021/om301052f



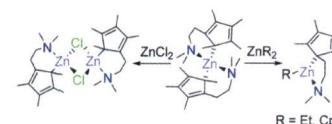
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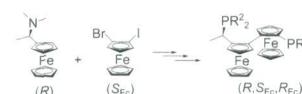
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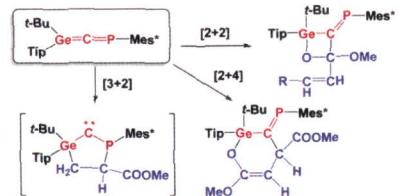


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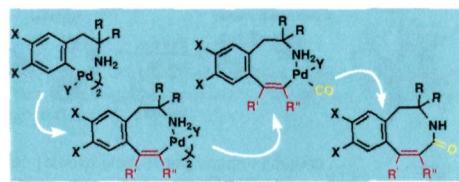


dx.doi.org/10.1021/om3012147

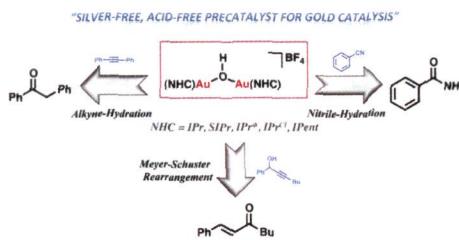
Dumitru Ghereg, Fatima Ouhssaine, Jean Escudié,\* Stéphane Labat, Erwan André, Karinne Miqueu, Jean-Marc Sotiropoulos, Heinz Gornitzka,\* and Nathalie Saffon



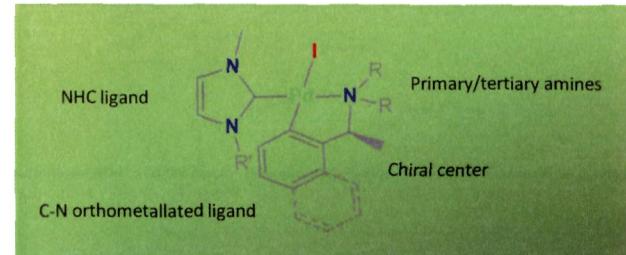
José-Antonio García-López, María-José Oliva-Madrid, Isabel Saura-Llamas,\* Delia Bautista, and José Vicente\*



Adrián Gómez-Suárez, Yoshihiro Oonishi, Sébastien Meiries, and Steven P. Nolan\*



Sara Sabater, Jose A. Mata,\* and Eduardo Peris



Eric J. Derrah, Carmen Martin, Sonia Mallet-Ladeira, Karinne Miqueu, Ghenwa Bouhadir,\* and Didier Bourissou\*



## Notes

Steven P. Cummings, Julia Savchenko, Phillip E. Fanwick, Anastasia Kharlamova, and Tong Ren\*

