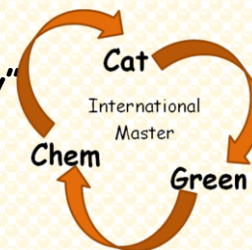




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Selected peer-reviewed papers

Schrock Promotion (2016)



Rui Sang

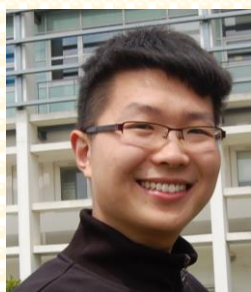
From East China University of Science & Technology (ECUST)
China

Efficient Domino Hydroformylation/Benzoin Condensation: Highly Selective Synthesis of α -Hydroxy Ketones

K. Dong, R. Sang, J.-F. Soulé, C. Bruneau, R. Franke, R. Jackstell, M. Beller, *Chem. Eur. J.* **2015**, 21, 18033-18037.

Selective catalytic two-step process for ethylene glycol from carbon monoxide

K. Dong, S. Elangovan, R. Sang, A. Spannenberg, R. Jackstell, K. Junge, Y. Li, M. Beller, *Nature Commun.* **2016**, 7, 12075.



Duo Wei

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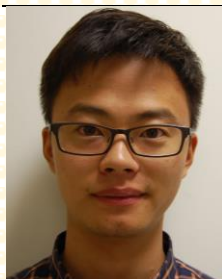
Hydrogenation of carbonyl derivatives with well-defined rhenium pre-catalyst

D. Wei, T. Roisnel, C. Darcel, E. Clot, J.-B. Sortais, *ChemCatChem* **2016**, doi: 10.1002/cctc.201601141.

Nickel 1,2,4-triazole based N-heterocyclic carbene complexes: synthesis and catalytic application

L. P. Bheeter, **D. Wei**, V. Dorcet, T. Roisnel, P. Ghosh, J.-B. Sortais, C. Darcel, *Eur. J. Inorg. Chem.* **2015**, 5226-5231.

Hoffmann Promotion (2015)



Shi Jiang

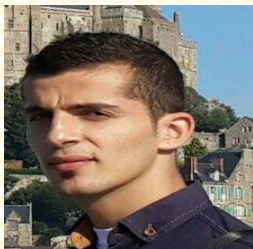
From Lanzhou University
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Iron Catalyzed C-H Borylation of Arenes

T. Dombray, C. G. Werncke, **S. Jiang**, M. Grellier, L. Vendier, S. Bontemps, J.-B. Sortais, S. Sabo-Etienne, C. Darcel, *J. Am. Chem. Soc.* **2015**, 137, 4062-4065.

Direct synthesis of dicarbonyl PCP-iron hydride complexes and catalytic dehydrogenative borylation of styrene

S. Jiang, **S. Quintero-Duque**, T. Roisnel, V. Dorcet, M. Grellier, S. Sabo-Etienne, C. Darcel, J.-B. Sortais, *Dalton Trans*, **2016**, 45, 11101-11108.



Ali Khalil

From the Libanese University

Lebanon

Poly(trimethylene carbonate)/Poly(malic acid) Amphiphilic Diblock Copolymers as Biocompatible Nanoparticles

G. Barouti, A. Khalil, C. Orione, K. Jarnouen, S. Cammas-Marion, P. Loyer, S. M. Guillaume, *Chem. Eur. J.* **2016**, 22, 2819-2830.



Mian (William) He

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Mian He, Jean-François Soulé, Henri Doucet, *ChemCatChem* **2014**, 6, 1824-1859.

Reactivity of 3-substituted fluorobenzenes in palladium-catalysed direct arylations with aryl bromides

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Reactivity of Para-Substituted Fluorobenzenes in Palladium-catalyzed Intermolecular Direct Arylations

Mian He, **Jean-François** Soule, Henri Doucet *ChemCatChem* **2015**, 7, 2130-2140.

Brookhart Promotion (2014)



Samuel Quintero Duque

From Universidad EAFIT, Medellin

Columbia

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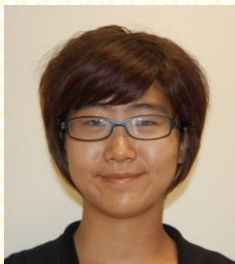
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Rongwei Jin

From Lanzhou University
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C. B. Bheeter, **R. Jin**, J. K. Bera, Henri Doucet,
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Sami Fadlallah

From the Libanese University
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Haoquan Li

From Huazhong Univ. of Science & Technology
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Selective Reduction of Esters to Aldehydes under the Catalysis of NHC-Iron Complexes

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Saravanakumar Elangoran

From St Joseph's College –Tiruchirapalli
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Hydrosilylation of Aldehydes and Ketones Catalyzed by Half-Sandwich Mn(I) NHC Complexes

J. Zheng, **S. Elangovan**, D. A. Valyaev, R. Brousses, V. César, J.-B. Sortais, C. Darcel, N. Lukan, G. Lavigne, *Adv. Synth. Catal.* **2014**, 356, 1093-1097.



Hanyu Zhang

From Zhejiang Sci-Tech University
China

Ruthenium-Catalysed Synthesis of Functional Conjugated Dienes from Propargylic Carbonates and Silyl Diazo Compounds

S. Moulin, H. Zhang, S. Raju, C. Bruneau, S. Derien, *Chem. Eur. J.* **2013**, 19, 3292-3296.



Yan Tao

From Lanzhou University
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Pd-catalyzed direct arylation of 5-chloropyrazoles: A selective access to 4-aryl pyrazoles

T. Yan, L. Chen, C. Bruneau, P. H. Dixneuf, H. Doucet, *J. Org. Chem.*, **2012**, 77, 7659-7664.

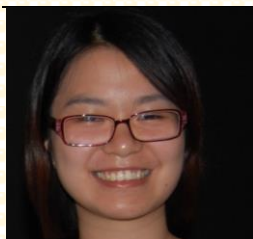
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A carbon-rich ruthenium decorated dysprosium single molecule magnet

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Kedong Yuan

From Jiangnan University – Wuxi
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Iridium-Catalyzed Oxidant-Free Dehydrogenative C–H Bond Functionalization: Selective Preparation of N-Arylpiperidines through Tandem Hydrogen Transfers

K. Yuan, F. Jiang, Z. Sahli, M. Achard, T. Roisnel, C. Bruneau, *Angew. Chem., Int. Ed.* **2012**, 51, 8876-8880.



Chengshuo Shen

From Lanzhou University
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Multifunctional and reactive enantiopure organometallic helicenes: tuning chiroptical properties by structural variations of mono- and bis(platinahelicene)s.

E. Anger, M. Rudolph, L. Norel, **C. Shen**, N. Vanthuyne, L. Toupet, J. A. G. Williams, C. Roussel, J. Autschbach, J. Crassous, R. Réau, *Chem. Eur. J.* **2011**, 17, 14178-14198

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E. Anger, M. Rudolph, **C. Shen**, N. Vanthuyne, L. Toupet, C. Roussel, J. Autschbach, J. Crassous, R. Réau, *J. Am. Chem. Soc.* **2011**, 133, 3800-3803.



Karthik Devaraj

From National Institute of Technology – Trichy
India

Ruthenium(II) catalysed synthesis of unsaturated oxazolines via arene C–H bond alkenylation
B. Li, **K. Devaraj**, C. Darcel, P. H. Dixneuf, *Green Chem.* **2012**, 14, 2706-2709.



Jenny Laroche

From the University of Rennes 1
France

Direct heteroarylation of 5-bromothiophen-2-ylpyridine and of 8-bromoquinoline via palladium-catalysed C-H bond activation: simpler access to heteroarylated nitrogen-based derivatives
J. Laroche, K. Beydoun, V. Guerchais, H. Doucet, *Catal. Sci. Tech.* **2013**, 3, 2072-2080.

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Marya Baloch

From University of Sindh
Pakistan

Palladium-catalysed direct polyheteroarylation of di- or tribromobenzene derivatives: a one step synthesis of conjugated poly(hetero)aromatics
M. Baloch, R. Jacob Roy, D. Roy, K. Beydoun, H. Doucet, *RSC Adv.* **2011**, 1, 1527-1536.



Wembo Li

From Lanzhou University
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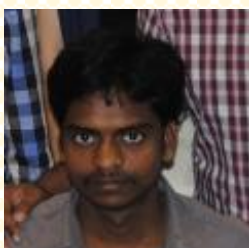
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W. Li, P. B. Arockiam, C. Fischmeister, C. Bruneau, P. H. Dixneuf, *Green Chem.* **2011**, 13, 2315-2319



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From Lanzhou university
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NHC piano-stool Fe complexes as efficient catalysts for hydrosilylation of carbonyl derivatives
F. Jiang, D. Bézier, J.-B. Sortais, C. Darcel, *Adv. Synth. Catal.* 2011, 353, 239-244.



Sathiyamoorthy Murugesan

From St Joseph's College –Tiruchirapalli
India

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Lehn Promotion (2010)



Jia Jia Dong

From Nanjing University of Technology
China)

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Charles Beromeo Bheeter

From St Joseph's College –Tiruchirapalli
India

Sequential Catalysis for the Production of Sterically Hindered Amines: Ru(II)-Catalyzed C-H Bond Activation and Hydrosilylation of Imines

B. Li, **C. B. Bheeter**, C. Darcel, P. H. Dixneuf, *ACS Catal.* **2011**, *1*, 1221-1224.



Ghazi Ghattas

From the Libanese University
Lebanon

New ruthenium metathesis catalysts with chelating indenylidene ligands: synthesis, characterization and reactivity

A. Kabro, **G. Ghattas**, T. Roisnel, C. Fischmeister, C. Bruneau, *Dalton Trans.* **2012**, *41*, 3695.

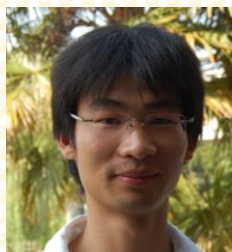


Hassan Srour

From the Libanese University
Lebanon

Dendralenes Preparation via Ene–Yne Cross-Metathesis from In Situ Generated 1,3-Enynes

H. Srour, K. Abidi, Z. Sahli, B. Sundararaju, N. Hamdi, M. Achard, C. Bruneau, *ChemCatChem* **2011**, *3*, 1876-1879.



ZHOU Tang

From South China Univ. of Technology, Guangzhou
China

Ruthenium-Catalyzed Cascade N- and C(3)-Dialkylation of Cyclic Amines with Alcohols Involving Hydrogen Autotransfer Processes

B. Sundararaju, **Z. Tang**, M. Achard, G. V. M. Sharma, L. Toupet, C. Bruneau, *Adv. Synth. Catal.* **2010**, 352, 3141-3146.



RAJU Suresh

From St Joseph's College –Tiruchirapalli
India

Ruthenium-Catalysed Synthesis of Functional Conjugated Dienes from Propargylic Carbonates and Silyl Diazo Compounds

S. Moulin, H. Zhang, **S. Raju**, C. Bruneau, S. Derien, *Chem. Eur. J.* **2013**, 19, 3292-3296.



Areej MERHI

From the Libanese University
Lebanon

Ruthenium Carbon-Rich Complexes as Redox Switchable Metal Coupling Units

E. Di Piazza, **A. Merhi**, L. Norel, S. Choua, P. Turek, S. Rigaut, *Inorg. Chem.*, **2015**, 54, 6347.

Schrock Promotion (2009)



Xiao-Feng Wu

From Zhejiang Sci-Tech University
China

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Kassem Beydoun

From the Libanese University,
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Percia Arockiam

From St Joseph's College -Tiruchirapalli
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Aditya Gottumukkala

From Loyola College, Chennai
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Yifei Liu

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