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### CoP Nanoframes as Bifunctional Electrocatalysts for Efficient Overall Water Splitting

Lvli Ji, Jianying Wang, Xue Teng, Thomas J. Meyer and Zuofeng Chen\*

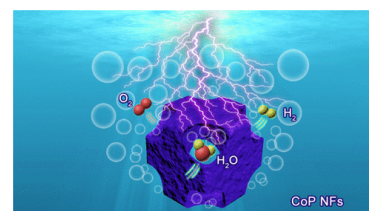
ACS Catal. 2020 10, 1, 412-419 (Article)  ACS Editors' Choice

Publication Date (Web): November 26, 2019

ACS Editors' Choice Date: December 21, 2019


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ABSTRACT



### Bromide-Promoted Visible-Light-Induced Reductive Minisci Reaction with Aldehydes

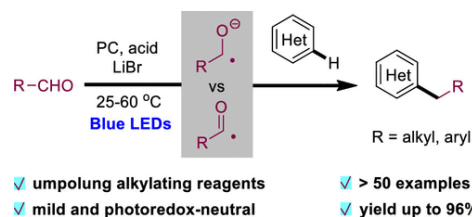
Zhongzhen Wang, Qiong Liu, Xiaochen Ji\*, Guo-Jun Deng and Huawen Huang\*

ACS Catal. 2020 10, 1, 154-159 (Article)  Subscribed

Publication Date (Web): November 27, 2019


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ABSTRACT



### Potassium Trimethylsilanolate Enables Rapid, Homogeneous Suzuki–Miyaura Cross-Coupling of Boronic Esters

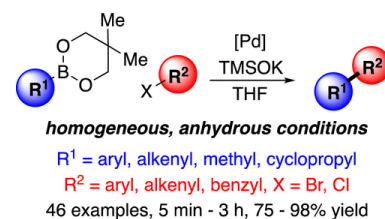
Connor P. Delaney, Vincent M. Kassel and Scott E. Denmark\*

ACS Catal. 2020 10, 1, 73-80 (Article)  Subscribed

Publication Date (Web): December 2, 2019


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ABSTRACT



### Arylsilylation of Electron-Deficient Alkenes via Cooperative Photoredox and Nickel Catalysis

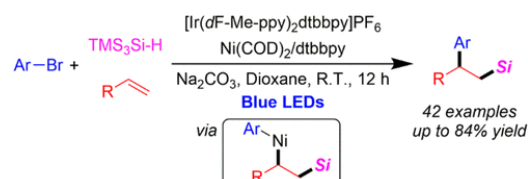
Zhikun Zhang and Xile Hu\*

ACS Catal. 2020 10, 1, 777-782 (Article)  Subscribed

Publication Date (Web): December 13, 2019

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ABSTRACT



## OER Catalysis at Activated and Codeposited NiFe-Oxo/Hydroxide Thin Films Is Due to Postdeposition Surface-Fe and Is Not Sustainable without Fe in Solution

Rida Farhat, Jihan Dhainy and Lara I. Halaoui\*

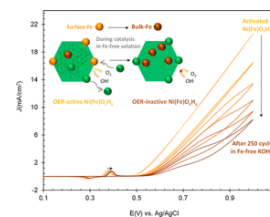
ACS Catal. 2020 10, 1, 20-35 (Article) ACS Editors' Choice

Publication Date (Web): November 4, 2019

ACS Editors' Choice Date: December 7, 2019

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## Dual Photoredox/Nickel-Catalyzed Conversion of Aryl Halides to Aryl Aminooxetanes: Computational Evidence for a Substrate-Dependent Switch in Mechanism

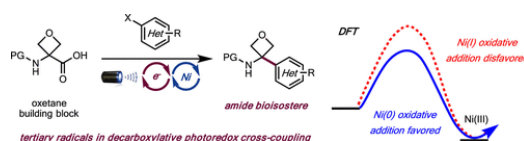
Kavoos Kolehdozan, Ryan Khalaf, Jessica M. Grandner, Yongsheng Chen, Jack A. Terrett\* and Malcolm P. Huestis\*

ACS Catal. 2020 10, 1, 405-411 (Article) Subscribed

Publication Date (Web): November 8, 2019

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## Radical Philicity Inversion in Co- and Fe-Catalyzed Hydrogen-Atom-Transfer-Initiated Cyclizations of Unsaturated Acylsilanes

Bin Wu and Rong Zhu\*

ACS Catal. 2020 10, 1, 510-515 (Article) Subscribed

Publication Date (Web): December 9, 2019

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## Photoredox Ni-Catalyzed Branch-Selective Reductive Coupling of Aldehydes with 1,3-Dienes

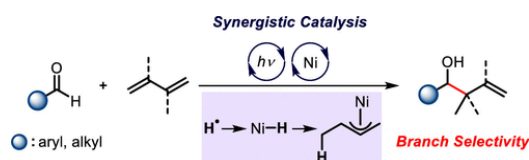
Yan-Lin Li, Wen-Duo Li, Zheng-Yang Gu, Jie Chen and Ji-Bao Xia\*

ACS Catal. 2020 10, 2, 1528-1534 (Article) Subscribed

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## our report

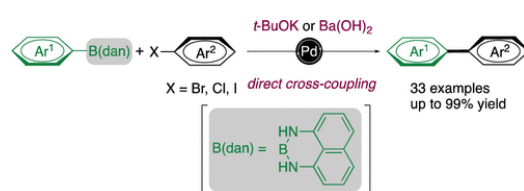
### Direct Suzuki–Miyaura Coupling with Naphthalene-1,8-diaminato (dan)-Substituted Organoboron

Hirotoshi Yoshida\*, Michinari Seki, Shintaro Kamio, Hideya Tanaka, Yuki Izumi, Jialun Li, Itaru Osaka, Manabu Abe, Hiroki Andoh, Tomoki Yajima, Tomohiro Tani and Teruhisa Tsuchimoto\*

ACS Catal. 2020 10, 1, 346-351 (Article) Subscribed

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## Dialkylation of 1,3-Dienes by Dual Photoredox and Chromium Catalysis

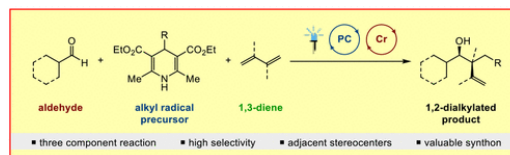
J. Luca Schwarz, Huan-Ming Huang, Tiffany O. Paulisch and Frank Glorius\*

ACS Catal. 2020 10, 2, 1621-1627 (Article) ✓ Subscribed

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## Suzuki–Miyaura Cross-Coupling of 1,8-Diaminonaphthalene (dan)-Protected Arylboronic Acids

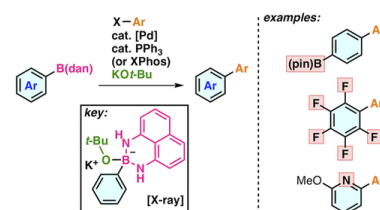
Yuichiro Mutoh\*, Kensuke Yamamoto and Shinichi Saito\*

ACS Catal. 2020 10, 1, 352-357 (Article) ✓ Subscribed

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## Palladium-Catalyzed Dual Ligand-Enabled Alkylation of Silyl Enol Ether and Enamide under Irradiation: Scope, Mechanism, and Theoretical Elucidation of Hybrid Alkyl Pd(I)-Radical Species

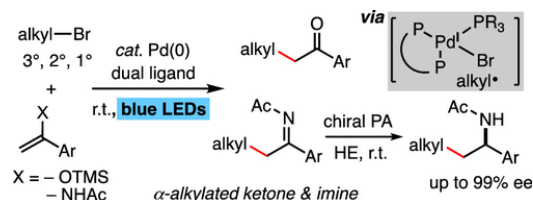
Bin Zhao, Rui Shang\*, Guang-Zu Wang, Shaohong Wang, Hui Chen\* and Yao Fu\*

ACS Catal. 2020 10, 2, 1334-1343 (Article) ✓ Subscribed

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## Iron-Catalyzed Reductive Coupling of Nitroarenes with Olefins: Intermediate of Iron–Nitroso Complex

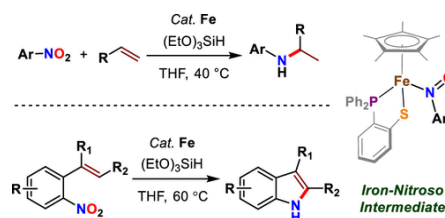
Heng Song, Zhuoyi Yang, Chen-Ho Tung and Wenguang Wang\*

ACS Catal. 2020 10, 1, 276-281 (Article) ✓ Subscribed

Publication Date (Web): November 22, 2019

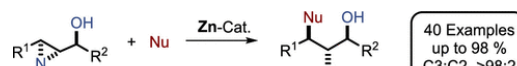
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## Zinc-Catalyzed Hydroxyl-Directed Regioselective Ring Opening of Aziridines in S<sub>N</sub>2 Reaction Pathway

Jiawei Liu and Chuan Wang\*




ACS Catal. 2020 10, 1, 556-561 (Article)  Subscribed  
 Publication Date (Web): December 11, 2019

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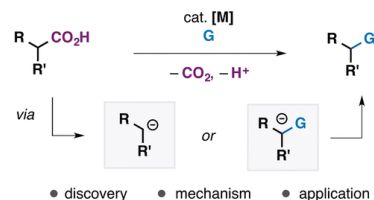
## Metal-Catalyzed Ionic Decarboxylative Cross-Coupling Reactions of C(sp<sup>3</sup>) Acids: Reaction Development, Mechanisms, and Application

Patrick J. Moon and Rylan J. Lundgren\*

ACS Catal. 2020 (Article)  Subscribed  
 Publication Date (Web): December 27, 2019


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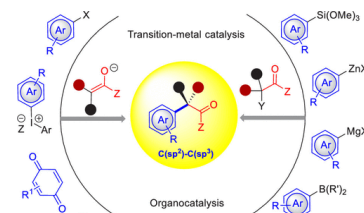
## Catalytic Enantioselective $\alpha$ -Arylation of Carbonyl Enolates and Related Compounds

Yong-Jia Hao, Xiao-Si Hu, Ying Zhou\*, Jian Zhou and Jin-Sheng Yu\*

ACS Catal. 2020 10, 2, 955-993 (Article)  Subscribed  
 Publication Date (Web): December 11, 2019


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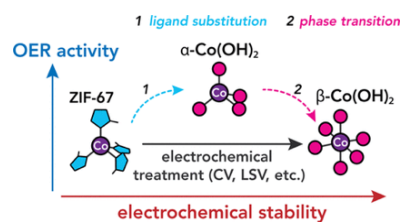
## Electrochemical Instability of Metal–Organic Frameworks: In Situ Spectroelectrochemical Investigation of the Real Active Sites

Weiran Zheng, Mengjie Liu and Lawrence Yoon Suk Lee\*

ACS Catal. 2020 10, 1, 81-92 (Article)  Subscribed  
 Publication Date (Web): November 21, 2019


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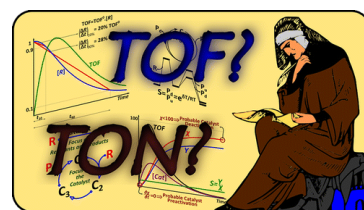


## “Turning Over” Definitions in Catalytic Cycles

Sebastian Kozuch\* and Jan M. L. Martin

ACS Catal. 2012 2, 12, 2787-2794 (Article)  Subscribed  
 Publication Date (Web): November 8, 2012


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## Application of Ceria in CO<sub>2</sub> Conversion Catalysis

### Application of Cu in CO<sub>2</sub> Conversion Catalysts

Kuan Chang, Haochen Zhang, Mu-jeng Cheng\* and Qi Lu\*

ACS Catal. 2020 10, 1, 613-631 (Article)  Subscribed


Publication Date (Web): November 26, 2019

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### Catalytic Enantio- and Regioselective Addition of Nucleophiles in the Intermolecular Hydrofunctionalization of 1,3-Dienes

Nathan J. Adamson and Steven J. Malcolmson\*

ACS Catal. 2020 10, 2, 1060-1076 (Article)  Subscribed

Publication Date (Web): December 12, 2019

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