Catalysis Science & Technology

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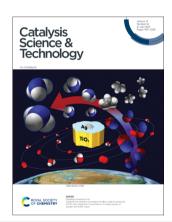
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Zeolite-based catalysts for oxidative upgrading of methane: design and control of active sites

Mizuho Yabushita,* Ryota Osuga,* Toshiyuki Yokoi and Atsushi Muramatsu*



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Recent research advances on catalysts for selective hydrogenation of ethyne

Jiawen Guo, Yiming Lei, Huimin Liu,* Yuqiao Li, Dezheng Li and Dehua He*



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COMMUNICATION

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Bifunctionality of Zn dust in Ullmann C-C crosscoupling by Ni/Pd dual catalysis: theoretical insight

Rong-Wan Gao, Yu-Jiao Dong, Bo Zhu* and Wei Guan*

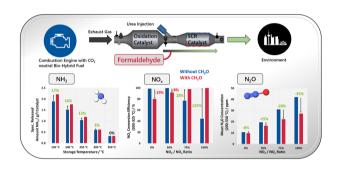


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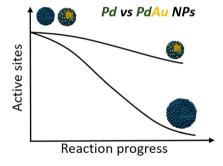
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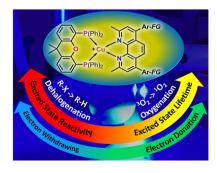
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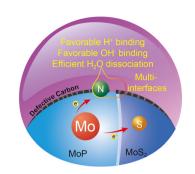
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Rich or poor: the impact of electron donation and withdrawal on the photophysical and photocatalytic properties of copper(1) complexes

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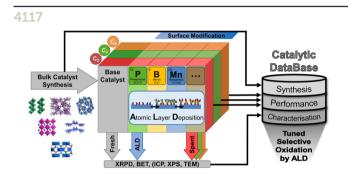


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Multi-interfacial charge polarization for enhancing the hydrogen evolution reaction

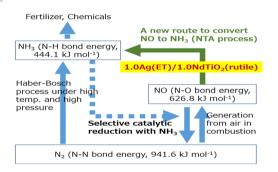
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Frederik Rüther, Robert Baumgarten, Fabian Ebert, Esteban Gioria, Raoul Naumann d'Alnoncourt,* Annette Trunschke and Frank Rosowski

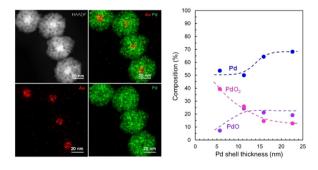
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Catalysts for selective conversion of nitric oxide to ammonia (NTA) with propene in the presence of a large excess of oxygen and water vapor

Bungo Suzumura, Kiyokazu Tanaka, Kasumi Kitazume, Shougo Hioki, Ayaka Kubo and Masakazu Iwamoto*

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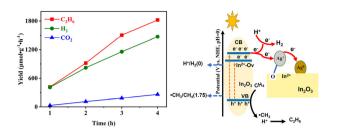
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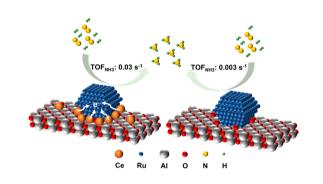
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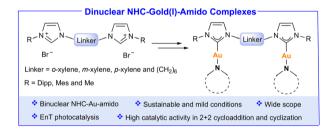
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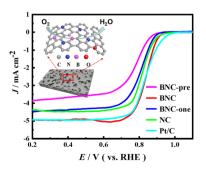
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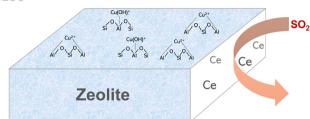


Effective construction of a B and N co-doped 3D porous carbon metal-free oxygen reduction reaction catalyst by a secondary pyrolysis strategy

Guang-Lan Li,* Xin Wang, Fei Deng, Zhong-Fa Lu, Ce Hao, Suli Wang* and Gongquan Sun



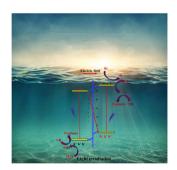
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In situ construction of S-scheme heterojunctionconjugated polymer/g-C₃N₄ photocatalysts for enhanced H2 production and organic pollutant degradation

Na Mao

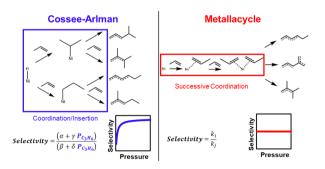
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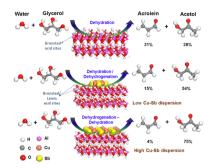
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