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IN THIS ISSUE

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Cover

See Liang Cheng et al., pp. 2031–2081.
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Inside cover

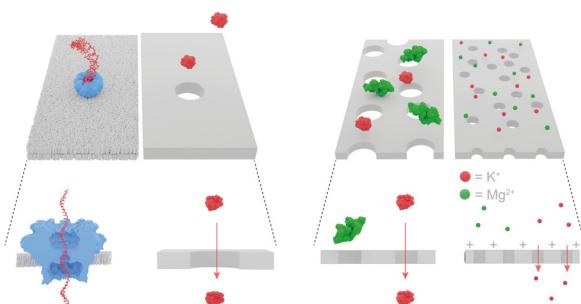
See Hiroyuki Furuta, Lechosław Łatos-Grażyński et al., pp. 2082–2144.
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VIEWPOINT

1983

Nanopores: synergy from DNA sequencing to industrial filtration – small holes with big impact

Zuzanna S. Siwy,* Merlin L. Bruening* and Stefan Howorka*

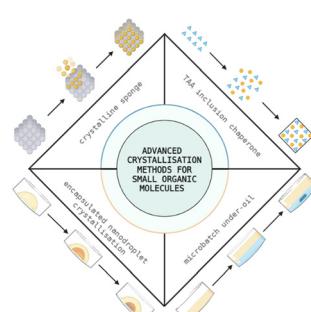


TUTORIAL REVIEWS

1995

Advanced crystallisation methods for small organic molecules

J. P. Metherall,* R. C. Carroll, S. J. Coles, M. J. Hall* and M. R. Probert*



Chem Soc Rev

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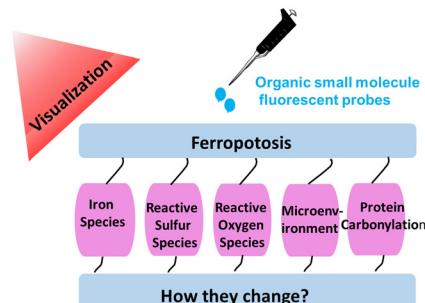


TUTORIAL REVIEWS

2011

Fluorescent probes for ferroptosis bioimaging: advances, challenges, and prospects

Junling Yin,* Jingting Zhan, Qingxia Hu, Shuhong Huang and Weiying Lin*



REVIEW ARTICLES

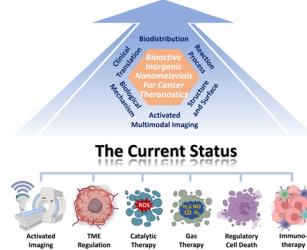
2031

Bioactive inorganic nanomaterials for cancer theranostics

Zifan Pei, Huali Lei and Liang Cheng*

The Future

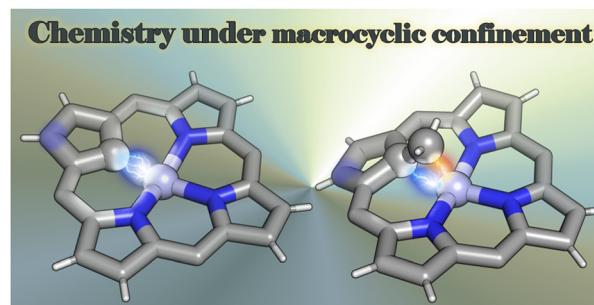
✓ Biosafety ✓ Efficiency ✓ Convenience



2082

Organometallic chemistry confined within a porphyrin-like framework

Michał J. Białyk, Karolina Hurej, Hiroyuki Furuta* and Lechosław Łatos-Grażyński*

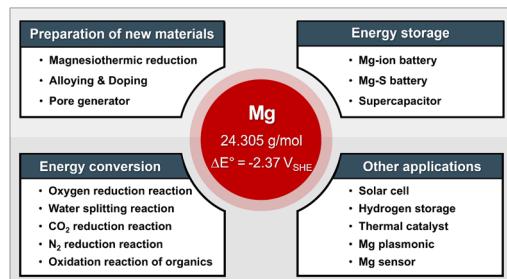


2145

Magnesium: properties and rich chemistry for new material synthesis and energy applications

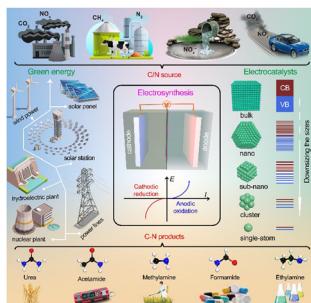
Cheol-Hwan Shin, Ha-Young Lee, Caleb Gyan-Barimah, Jeong-Hoon Yu and Jong-Sung Yu*

Mg acts as reducing agent, pore generator, catalysis site, and chemical regulator.



REVIEW ARTICLES

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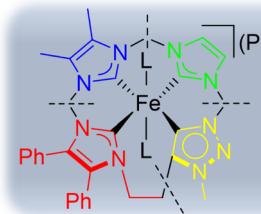
Electrochemical C–N coupling of CO₂ and nitrogenous small molecules for the electrosynthesis of organonitrogen compounds

Xianyun Peng, Libin Zeng, Dashuai Wang, Zhibin Liu, Yan Li, Zhongjian Li, Bin Yang, Lecheng Lei, Liming Dai* and Yang Hou*

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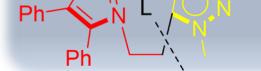
Fe Tetracarbenes

Synthesis



Properties

Catalysis



Reactivity

✓ NHC ✓ aNHC ✓ chiral

Cyclic iron tetra N-heterocyclic carbenes: synthesis, properties, reactivity, and catalysis

Tim P. Schlachta and Fritz E. Kühn*