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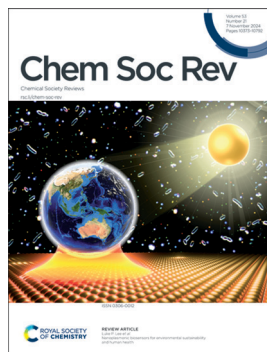
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See Simon R. Bare, Ziyi Zhong, Charlotte Vogt *et al.*, pp. 10450–10490. Image reproduced by permission of Charlotte Vogt from *Chem. Soc. Rev.*, 2024, 53, 10450. Cover illustrated by Thomas Hartman Illustrates Science.



Inside cover

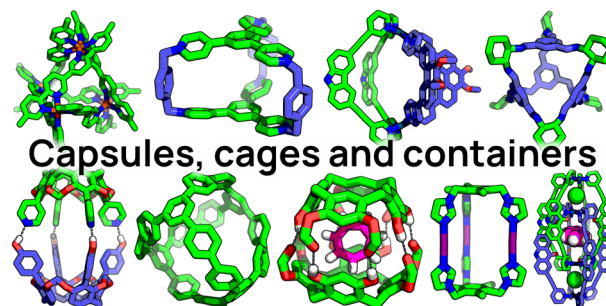
See Luke P. Lee *et al.*, pp. 10491–10522. Image reproduced by permission of Wenpeng Liu from *Chem. Soc. Rev.*, 2024, 53, 10491.

TUTORIAL REVIEWS

10380

Supramolecular and molecular capsules, cages and containers

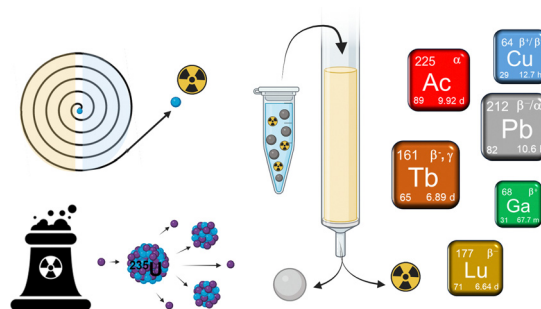
Cameron J. T. Cox, Jessica Hale, Paulina Molinska and James E. M. Lewis*



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From cyclotrons to chromatography and beyond: a guide to the production and purification of theranostic radiometals

Brooke L. McNeil and Caterina F. Ramogida*



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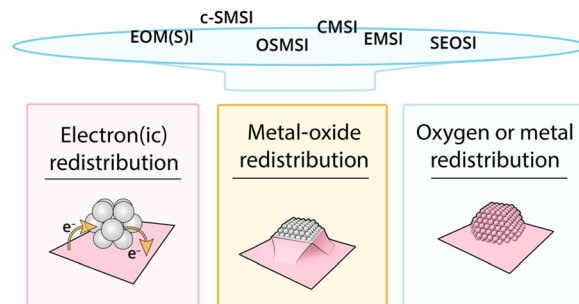
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REVIEW ARTICLES

10450

Metal–support interactions in metal oxide-supported atomic, cluster, and nanoparticle catalysis

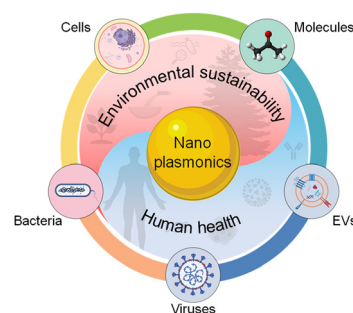
Denis Leybo, Ubong J. Etim, Matteo Monai, Simon R. Bare,* Ziyi Zhong* and Charlotte Vogt*



10491

Nanoplasmonic biosensors for environmental sustainability and human health

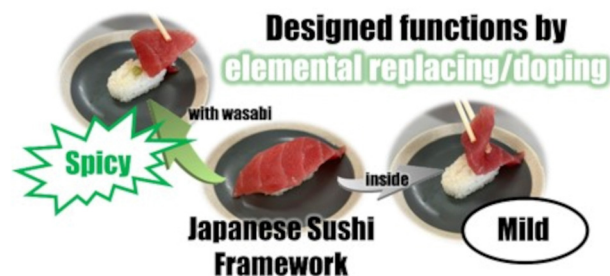
Wenpeng Liu, Kyungwha Chung, Subin Yu and Luke P. Lee*



10523

Designed functions of oxide/hydroxide nanosheets via elemental replacement/doping

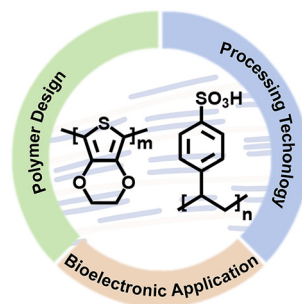
Kanji Saito, Masashi Morita, Tomohiko Okada, Rattanawadee (Ploy) Wijitwongwan and Makoto Ogawa*



10575

PEDOT-based stretchable optoelectronic materials and devices for bioelectronic interfaces

Weizhen Li, Yiming Li, Ziyu Song, Yi-Xuan Wang* and Wenping Hu*

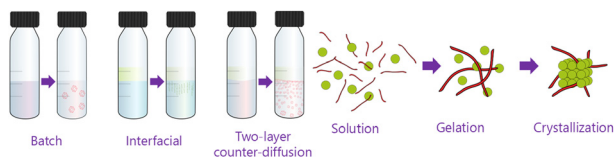


REVIEW ARTICLES

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Supramolecular gel-phase crystallization modes

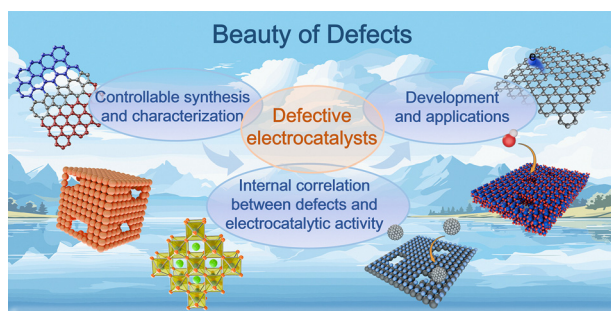
Stepwise orthogonal self-assembly



Supramolecular gels: a versatile crystallization toolbox

Rafael Contreras-Montoya,* Luis Álvarez de Cienfuegos, José A. Gavira and Jonathan W. Steed

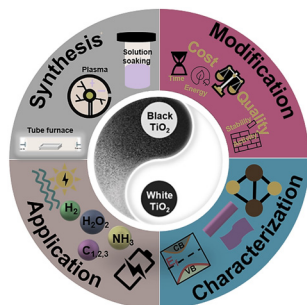
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Design and regulation of defective electrocatalysts

Yiqiong Zhang,* Jingjing Liu, Yangfan Xu, Chao Xie, Shuangyin Wang and Xiangdong Yao*

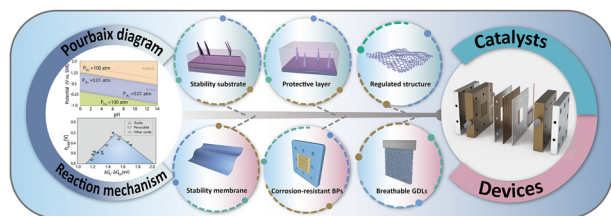
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Black titanium oxide: synthesis, modification, characterization, physiochemical properties, and emerging applications for energy conversion and storage, and environmental sustainability

Xuelan Hou, Yiyang Li, Hang Zhang, Peter D. Lund, James Kwan* and Shik Chi Edman Tsang*

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Stability of electrocatalytic OER: from principle to application

HuangJingWei Li, Yu Lin, Junyuan Duan, Qunlei Wen, Youwen Liu* and Tianyou Zhai*

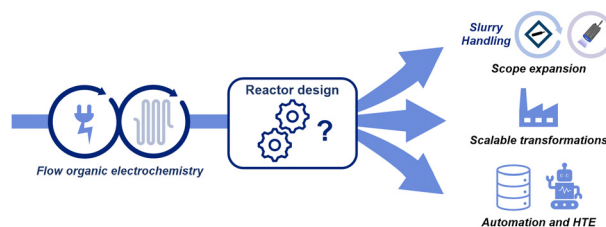


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Enhancing electrochemical reactions in organic synthesis: the impact of flow chemistry

Morgan Regnier, Clara Vega, Dimitris I. Ioannou and Timothy Noël*



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Current development, optimisation strategies and future perspectives for lead-free dielectric ceramics in high field and high energy density capacitors

Hareem Zubairi, Zhilun Lu,* Yubo Zhu, Ian M. Reaney and Ge Wang*

