

Chem Soc Rev

Chemical Society Reviews

rsc.li/chem-soc-rev

The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

IN THIS ISSUE

ISSN 0306-0012 CODEN CSRVBR 55(11) 6011-6454 (2026)



Cover

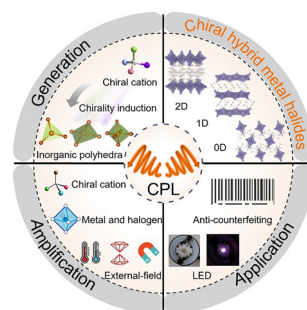
See Lemeng Zhang,
Hongwen Liu,
Juyoung Yoon *et al.*,
pp. 6075–6116.
Image reproduced
by permission of
Juyoung Yoon from
Chem. Soc. Rev.,
2026, 55, 6075.

TUTORIAL REVIEWS

6018

Circularly polarized luminescence in chiral hybrid metal halides

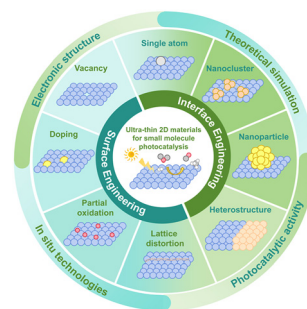
Yi Wei, Huimin Kang, Yuxuan Wang, Yulian Liu and Zewei Quan*



6037

Surface and interface atomic engineering of ultrathin 2D inorganic materials for small molecule photocatalysis

Juncheng Zhu, Zijia Lin, Yang Wu, Yongfu Sun* and Yi Xie*



RSC Advances

At the heart of open access for
the global chemistry community

Editor-in-chief

Russell J Cox

Leibniz Universität Hannover, Germany

We stand for:



Breadth We publish work in all areas of chemistry and reach a global readership



Affordability Low APCs, discounts and waivers make publishing open access achievable and sustainable



Quality Research to advance the chemical sciences undergoes rigorous peer review for a trusted, society-run journal



Community Led by active researchers, we publish quality work from scientists at every career stage, and all countries

Submit your work now

rsc.li/rsc-advances

@RSC_Adv

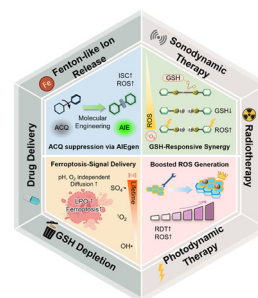


TUTORIAL REVIEWS

6058

Chemical insights on covalent organic frameworks for ferroptosis and pyroptosis in cancer

Eunji Kim, Min-Goo Lee, Yoonji Heo, Sumin Kim, Jiwoo Seo, Sungwook Jung, Jong Seung Kim* and Min Kim*

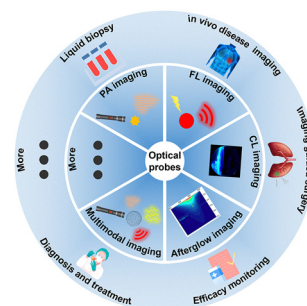


REVIEW ARTICLES

6075

Optical probes for bioimaging of tumor-infiltrating immune cells and their applications in cancer immunotherapy

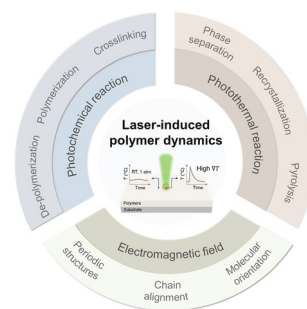
Xinglong Chen, Cong Hu, Heejeong Kim, Lemeng Zhang,* Zhipengjun Zhang, Hongwen Liu* and Juyoung Yoon*



6117

Laser-induced polymer dynamics and applications

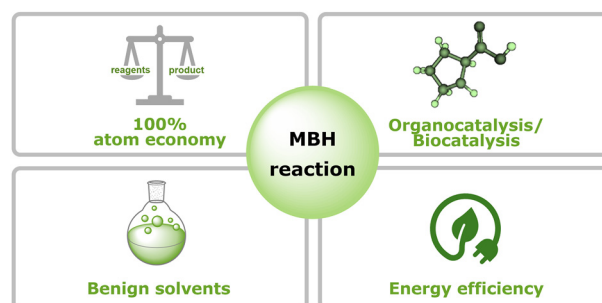
Daeyeon Won, Jiyong Ahn, Jooyeon Chong, Ahyoung Cho, Taehyun Kim, Seok Hwan Choi, Deog-Gyu Seo,* Jiheong Kang* and Seung Hwan Ko*



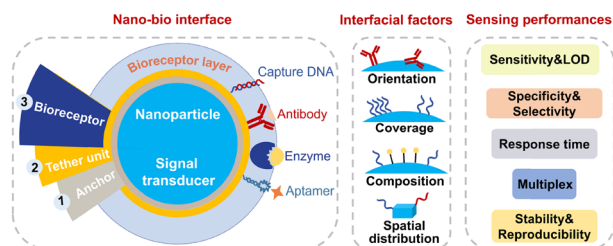
6155

The sustainability of the Morita–Baylis–Hillman reaction

Thaynan A. B. Chagas, Manoel T. Rodrigues Jr, Fábio S. Fernandes, Luna S. dos Santos, Cíntia D. F. Milagre,* Wanda P. Almeida* and Fernando Coelho*



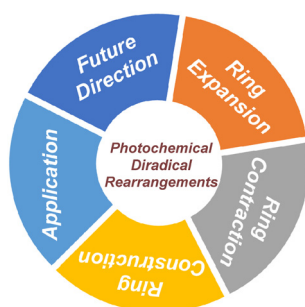
6182



The importance of nano–bio interfacial design in the sensing performance of nanoparticle-based affinity biosensors

Xueqian Chen, Xuejie Li, Richard D. Tilley and J. Justin Gooding*

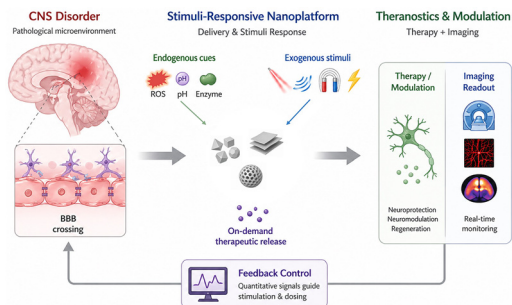
6221



Recent advances in photochemical rearrangements involving diradicals

Jun-Jie Chen, Shu-Sheng Chen, Qiu-Zhu Wang and Huan-Ming Huang*

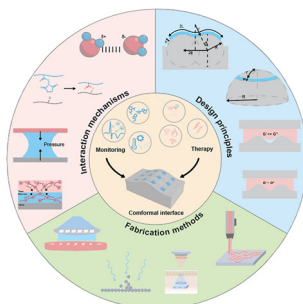
6257



Stimuli-responsive nanoplatforms for central nervous system disorders: integrating delivery, modulation, and imaging

Yihan Chen, Yuanqing Ding, Han Lin* and Jianlin Shi*

6307



Tissue-bioelectronics interfaces

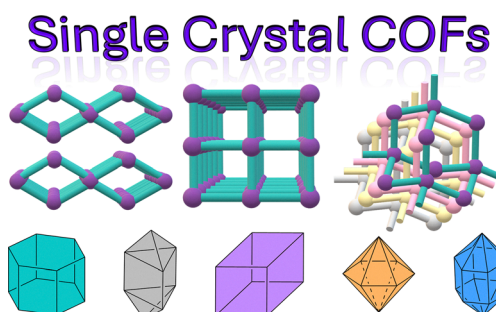
Jiahong Li, Jin Qu and Wei Gao*



6344

Single crystal covalent organic frameworks

Yongzhi Chen, Zhihao Zhang and Donglin Jiang*



6417

How far can you go? Extrapolating values of catalytic activity from known protein landscapes in natural and directed evolution

Douglas B. Kell* and Ivayla Roberts

