

Nanoscale Horizons

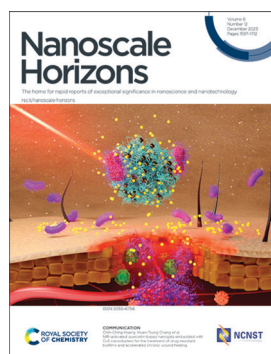
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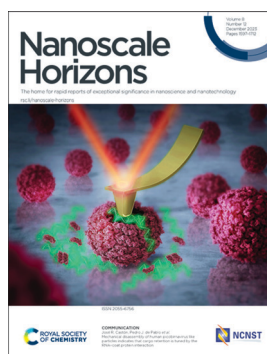
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ISSN 2055-6756 CODEN NHAOAW 8(12) 1597-1712 (2023)



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See José R. Castón, Pedro J. de Pablo *et al.*, pp. 1665–1676. Image reproduced by permission of María J. Rodríguez Espinosa and Pedro J. de Pablo from *Nanoscale Horiz.*, 2023, 8, 1665.

EDITORIALS

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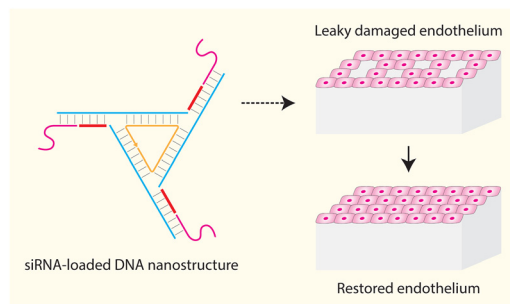
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siRNA-loaded DNA nanostructures restore endothelial leakiness

Arun Richard Chandrasekaran*



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Nanoscale Horizons (print: ISSN 2055-6756 electronic: ISSN 2055-6764) is published 12 times a year by the Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, UK CB4 0WF. All orders, with cheques made payable to the Royal Society of Chemistry, should be sent to the Royal Society of Chemistry Order Department, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, CB4 0WF, UK. Tel +44 (0)1223 432398; E-mail orders@rsc.org

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Published in collaboration with the National Centre for Nanoscience and Technology, Beijing, China

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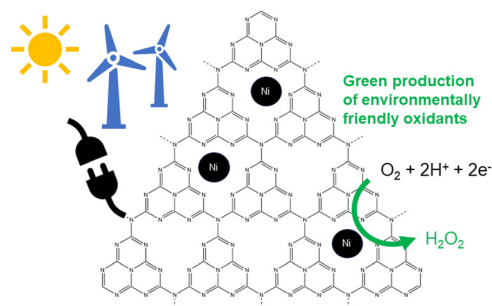


EDITORIALS

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Electrifying H₂O₂ synthesis with g-C₃N₄-based single atom catalysts

Jungki Ryu*

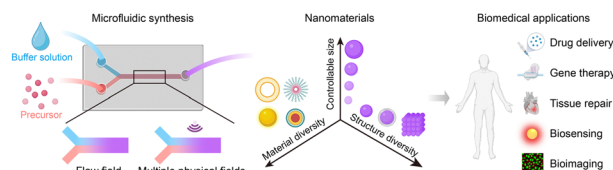


REVIEWS

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Microfluidic synthesis of nanomaterials for biomedical applications

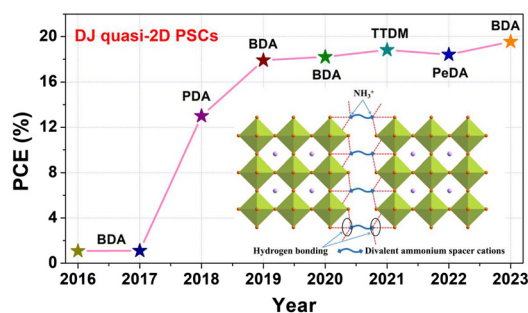
Yanjuan Huang, Chao Liu, Qiang Feng* and Jiashu Sun*



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The rise of quasi-2D Dion–Jacobson perovskites for photovoltaics

Jieyi Chen, Zihao Zhai,* Qi Liu and Huiqiong Zhou*

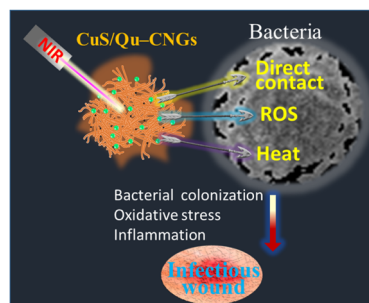


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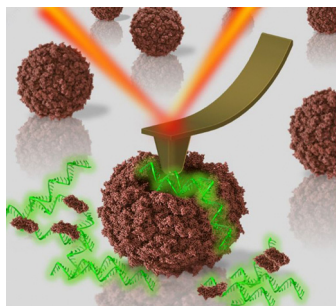
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NIR-activated quercetin-based nanogels embedded with CuS nanoclusters for the treatment of drug-resistant biofilms and accelerated chronic wound healing

Amit Nain, Yu-Ting Tseng, Akash Gupta, Yu-Feng Lin, Sangili Arumugam, Yu-Fen Huang, Chih-Ching Huang* and Huan-Tsung Chang*



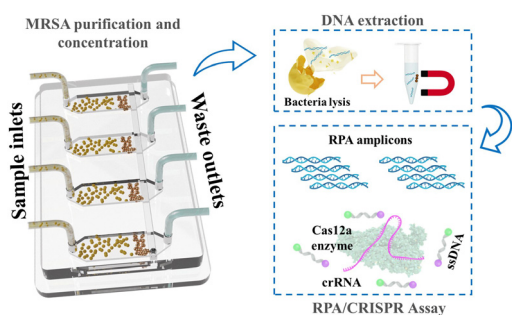
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Mechanical disassembly of human picobirnavirus like particles indicates that cargo retention is tuned by the RNA-coat protein interaction

María J. Rodríguez-Espinosa, Javier M. Rodríguez, José R. Castón* and Pedro J. de Pablo*

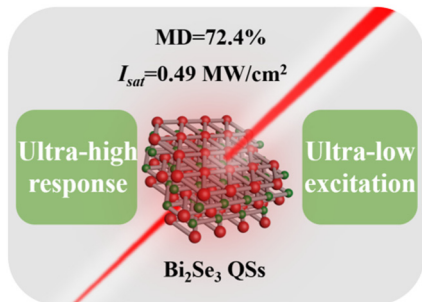
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Pneumatic nano-sieve for CRISPR-based detection of drug-resistant bacteria

Ruonan Peng, Xinye Chen, Fengjun Xu, Richard Hailstone, Yujie Men and Ke Du*

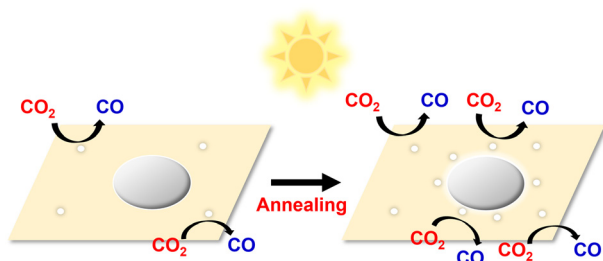
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Quantum-sized topological insulators/semimetals enable ultrahigh and broadband saturable absorption

Zhexue Chen, Xinyu Sui, Zhangqiang Li, Yueqi Li, Xinfeng Liu and Yong Zhang*

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Defect engineering enhances plasmonic-hot electrons exploitation for CO₂ reduction over polymeric catalysts

Hang Yin, Zhehao Sun, Kaili Liu, Ary Anggara Wibowo, Julien Langley, Chao Zhang, Sandra E. Saji, Felipe Kremer, Dmitri Golberg, Hieu T. Nguyen, Nicholas Cox and Zongyou Yin*



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A selenoureido-iminoglycolipid transported by zeolitic-imidazolate framework nanoparticles: a novel antioxidant therapeutic approach

Fátima Guerrero, Andrés Carmona, Victoria Vidal, Ana Franco, Alejandro Martín-Malo, Elena M. Sánchez-Fernández* and Carolina Carrillo-Carrión*

