

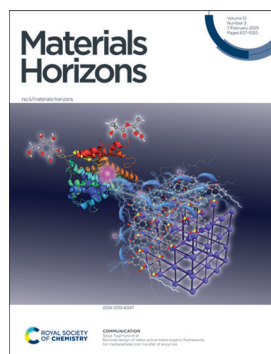
Materials Horizons

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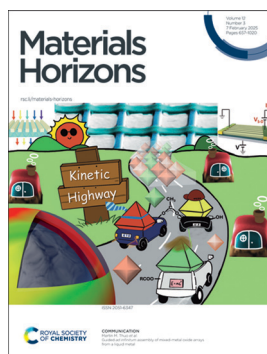
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See Seiya Tsujimura *et al.*, pp. 760-769.
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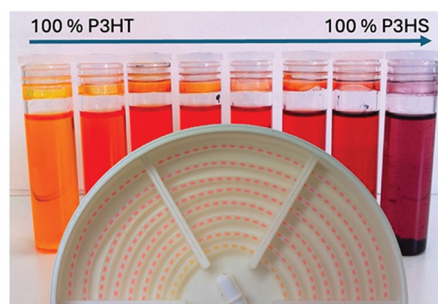
See Martin M. Thuo *et al.*, pp. 770-778.
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Martin Heeney and John C. de Mello

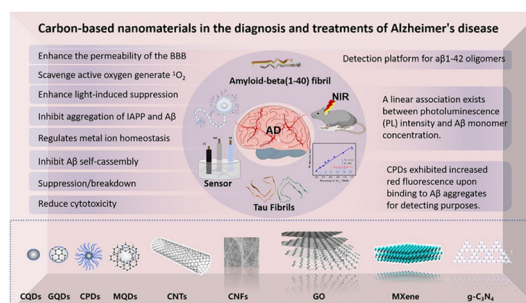


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Application of carbon-based nanomaterials in Alzheimer's disease

Mengyao Bai, Xu Shao, Chao Wang, Juanxia Wang, Xin Wang,* Ping Guan* and Xiaoling Hu*



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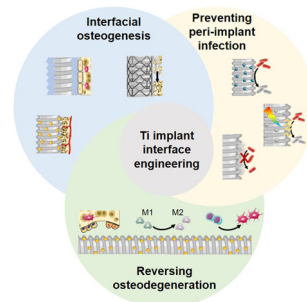


REVIEWS

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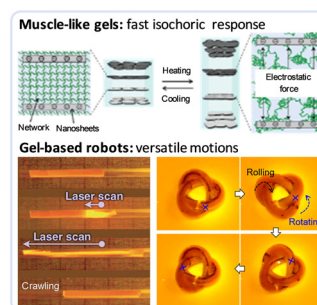
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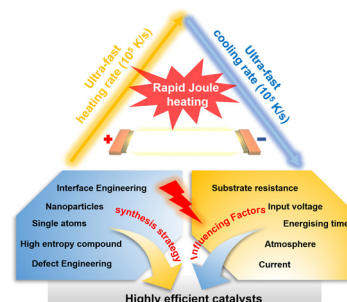
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Zhan Zhao, Ting Wu, Xiang Li, Yiming Chen and Xiangchao Meng*

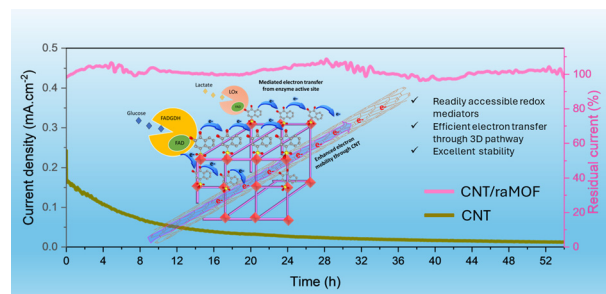


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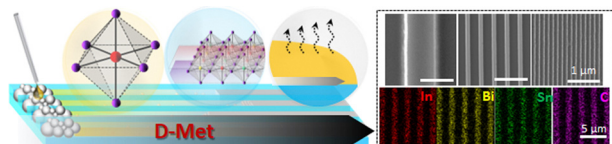
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Rational design of redox active metal organic frameworks for mediated electron transfer of enzymes

Muhammad Rezki, Md Motaher Hossain, Thomas Kouyou Savage, Yoshihide Tokunou and Seiya Tsujimura*



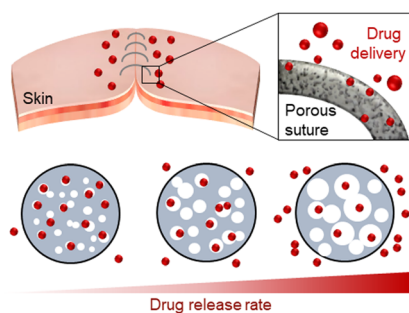
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Guided *ad infinitum* assembly of mixed-metal oxide arrays from a liquid metal

Julia J. Chang, Chuanshen Du, Dhanush Jamadgni, Alana Pauls, Andrew Martin, Le Wei, Thomas Ward, Meng Lu and Martin M. Thuo*

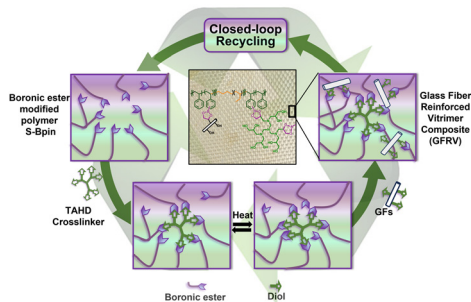
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Thermally drawn porous sutures for controlled drug release using thermally induced phase separation

Hyeonyeob Seo, Woo Mi Ryu, Jaehyun Jang and Seongjun Park*

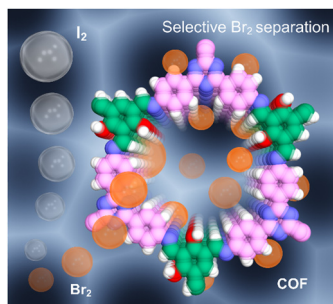
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Tough and circular glass fiber composites via a tailored dynamic boronic ester interface

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Chemically robust functionalized covalent organic framework for the highly efficient and selective separation of bromine

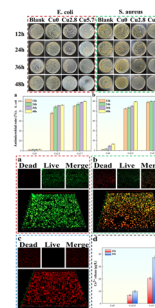
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Fresh insights into structure–function-integrated self-antibacterial Cu-containing Al alloys: giving Al alloys a new function

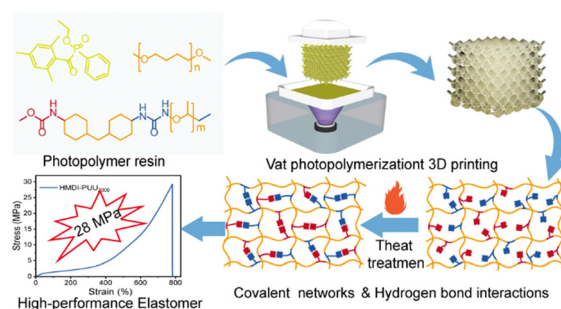
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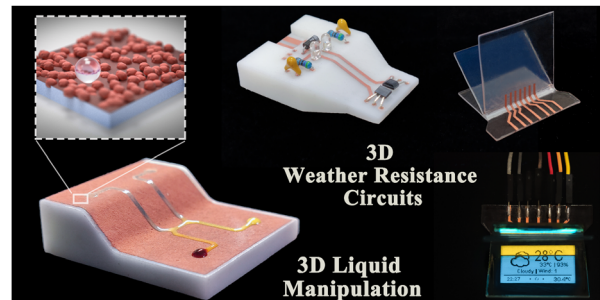
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Patternable, high-precision, controllable wettability copper layers for 3D resin-based weather-resistant electronics and 3D liquid manipulation

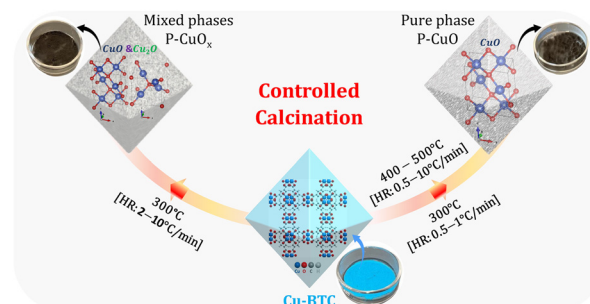
Pengan Luo, Haoran Xu, Hao Lu, Huaiyu Zhao, Siying Li and Tao Zhou*



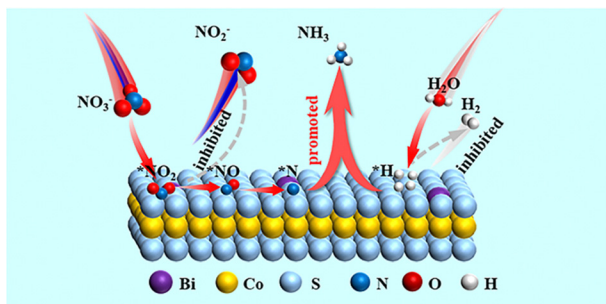
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Transformation study and characterization of Cu-BTC MOF-derived nanoporous copper oxide

Sameh Khalil, Abhijit Ganguly, Davide Mariotti and Supriya Chakrabarti*



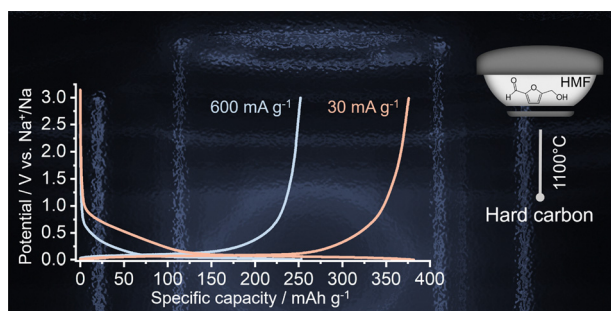
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Manipulating key intermediates and suppressing the hydrogen evolution reaction *via* dual roles of Bi for high-efficiency nitrate to ammonia and energy conversion

Chunming Yang,* Tingting Wei, Chuantao Wang,* Feng Yue, Xiang Li, Huijuan Pang, Xueyan Zheng, Yantu Zhang* and Feng Fu*

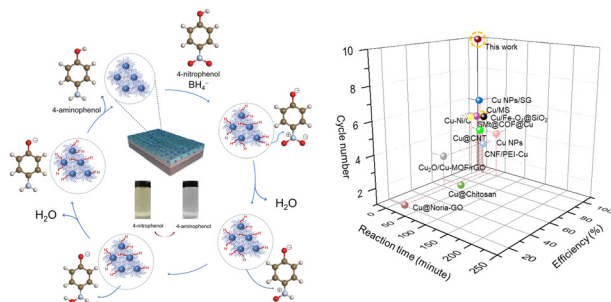
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Hard carbon from a sugar derivative for next-generation sodium-ion batteries

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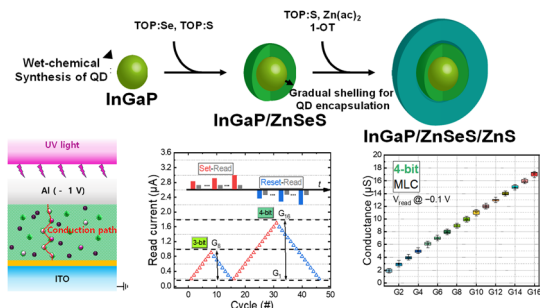
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Reduction-immobilizing strategy of polymer-embedded sub-2 nm Cu nanoparticles with uniform size and distribution responsible for robust catalytic reactions

Rosy Amalia Kurnia Putri, Wail Al Zoubi,* Bassem Assfour, Abdul Wahab Allaf, Sudiarmanto and Young Gun Ko*

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Precise weight tuning in quantum dot-based resistive-switching memory for neuromorphic systems

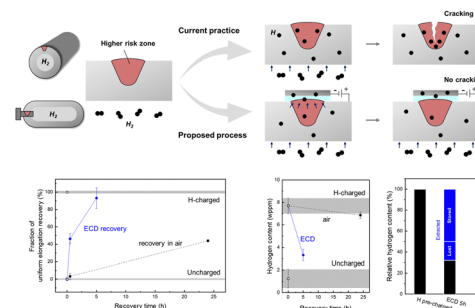
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Remove hydrogen and store it too: an acid-in-clay based electro-chemical solution

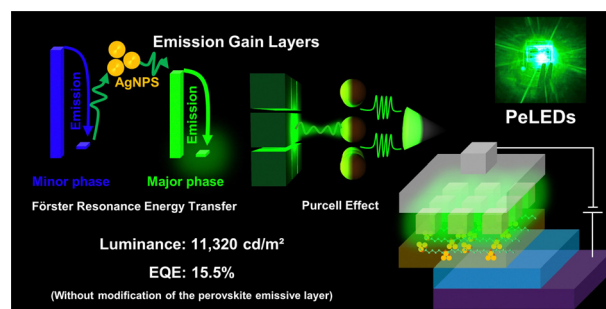
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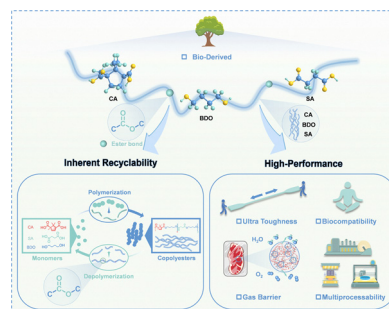
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High-performance chemically recyclable multifunctional polyolefin-like biomass-derived polyester materials

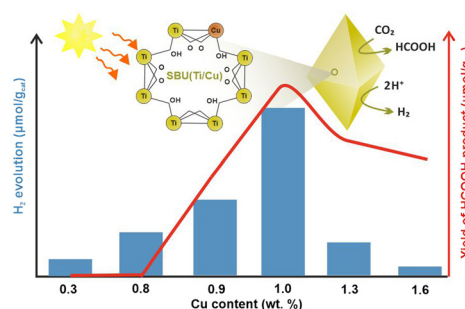
Zheng-Ming Li, Xing-Liang Li,* Yao Li, Yu-Hang Zhang, Teng Fu, Xiu-Li Wang* and Yu-Zhong Wang



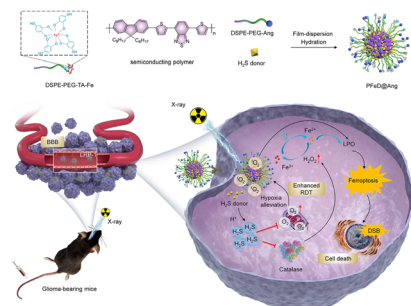
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Cu-incorporated NH₂-MIL-125(Ti): a versatile visible-light-driven platform for enhanced photocatalytic H₂ generation and CO₂ photoconversion

Anna Pancielejko,* Mateusz A. Baluk, Hanna Zagórska, Magdalena Miodyńska-Melzer, Anna Gołąbiewska, Tomasz Klimczuk, Mirosław Krawczyk, Mirosława Pawłyta, Krzysztof Matus, Alicja Mikołajczyk, Henry P. Pinto, Aleksandra Pieczyńska, Joanna Dołżonek and Adriana Zaleska-Medynska*



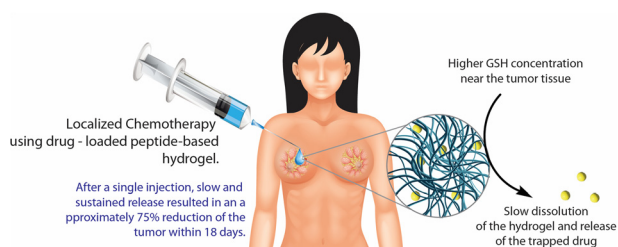
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Hydrogen sulfide-generating semiconducting polymer nanoparticles for amplified radiodynamic-ferroptosis therapy of orthotopic glioblastoma

Anni Zhu, Shuai Shao, Jinyuan Hu, Wenzhi Tu,*
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Qin Zhang* and Jingchao Li*

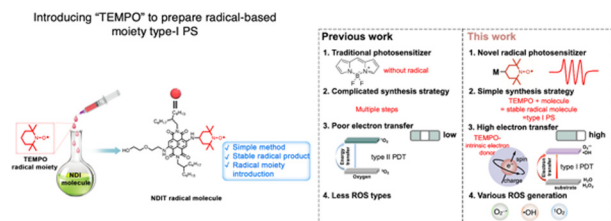
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Targeted and precise drug delivery using a glutathione-responsive ultra-short peptide-based injectable hydrogel as a breast cancer cure

Satyajit Halder, Tanushree Das, Ritvika Kushwaha,
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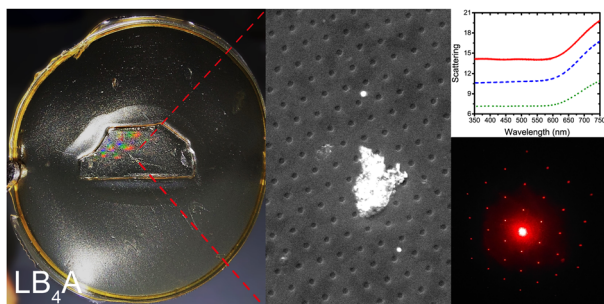
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Using a stable radical as an "electron donor" to develop a radical photosensitizer for efficient type-I photodynamic therapy

Xiao Cui, Fang Fang, Huan Chen, Chen Cao,
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Biological metasurfaces based on tailored Luria Bertani Agar growth medium formulations for photonic applications

Francesca Leone, Olga Favale, Mauro Daniel Luigi Bruno,
Roberto Bartolino, Ferdinanda Annesi,*
Vincenzo Caligiuri* and Antonio De Luca*



CORRECTION

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Correction: Application of carbon-based nanomaterials in Alzheimer's disease

Mengyao Bai, Xu Shao, Chao Wang, Juanxia Wang, Xin Wang,* Ping Guan* and Xiaoling Hu*

