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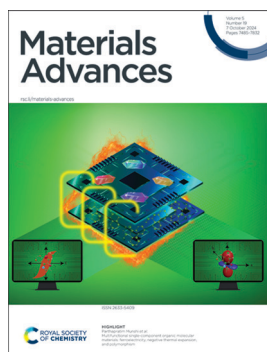
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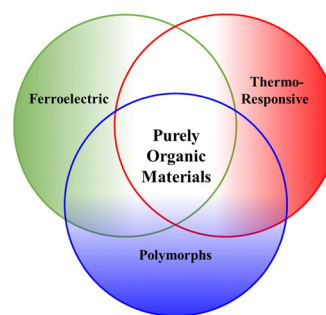
See Parthapratim Munshi *et al.*, pp. 7495–7515. Image reproduced by permission of Parthapratim Munshi from *Mater. Adv.*, 2024, 5, 7495.

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Multifunctional single-component organic molecular materials: ferroelectricity, negative thermal expansion, and polymorphism

Sanjay Dutta, Lalita Negi and Parthapratim Munshi*

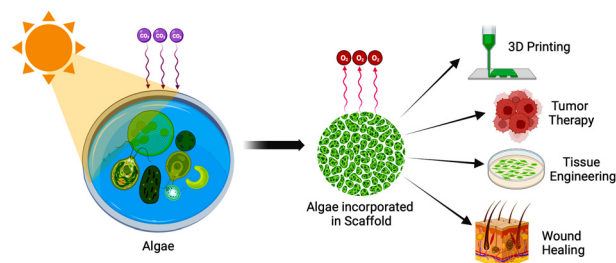


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Roadmap of algal autotrophic tissue engineering in the avenue of regenerative wound therapy

Nikhita Pandian, Radhika Chaurasia, Satyaki Chatterjee, Bhaskar Biswas, Prabir Patra, Archana Tiwari* and Monalisa Mukherjee*



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Eco-friendly, sustainable, and safe energy storage: a nature-inspired materials paradigm shift

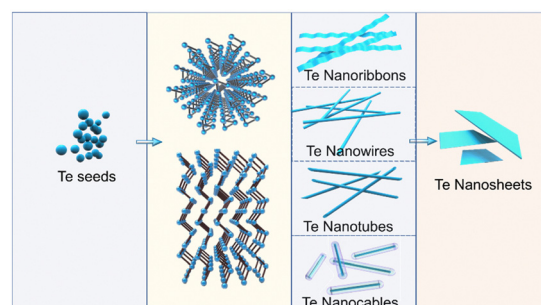
Thiago Bertaglia, Carlos M. Costa, Senentxu Lanceros-Méndez* and Frank N. Crespilho*



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Morphology-controlled synthesis, growth mechanism, and applications of tellurium nanostructures

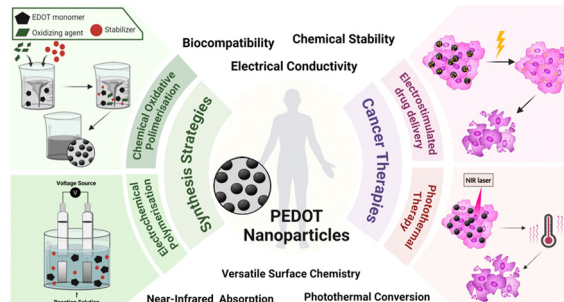
Jinshu Li, Qingshan Yang, Dawei He, Yongsheng Wang, Euyheon Hwang and Yajie Yang*



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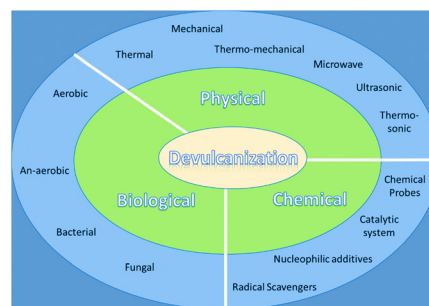
Diogo Dias, Leonor Resina, Frederico Castelo Ferreira, Paola Sanjuan-Alberte* and Teresa Esteves*



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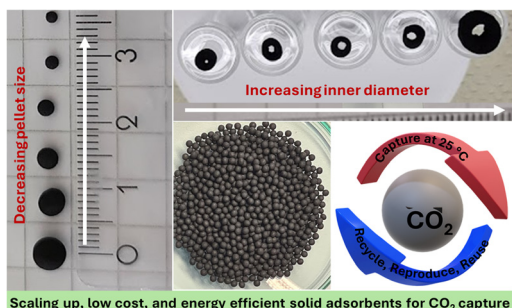
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Amit Kumar, Ritesh J. Dhanorkar, Subhra Mohanty and Virendra Kumar Gupta*



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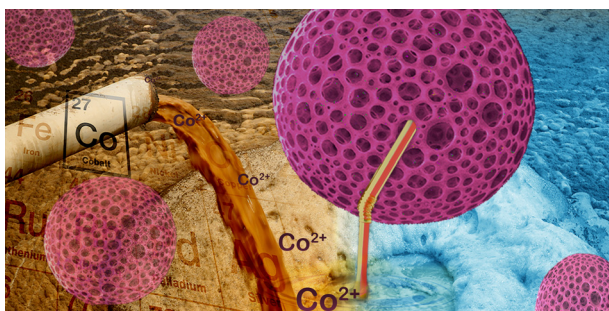
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Porous carbon pellets for physical adsorption of CO₂: size and shape effect

Baljeet Singh,* Marianna Kemell and Timo Repo*

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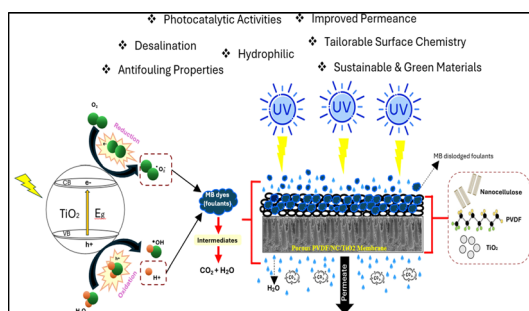


EDTA-functionalized hierarchical porous microspheres for effective cobalt ion recovery from water

Mao-Hsuan Peng and Chia-Chen Li*

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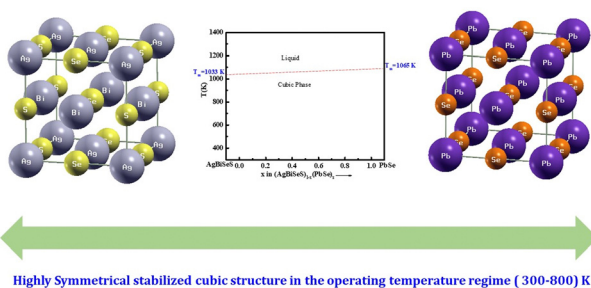
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A TiO₂ grafted bamboo derivative nanocellulose polyvinylidene fluoride (PVDF) nanocomposite membrane for wastewater treatment by a photocatalytic process

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Entropy engineering in I–V–VI₂ family: a paradigm to bestow enhanced average ZT in the entire operating temperature regime

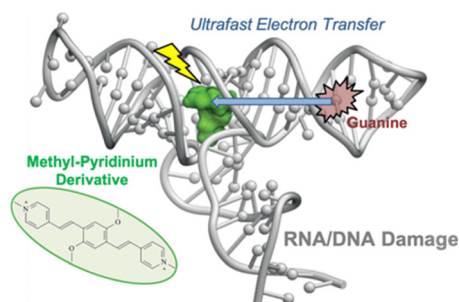
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Direct observation of guanine photo-oxidation from new potential anticancer drugs *via* ultrafast electron transfer

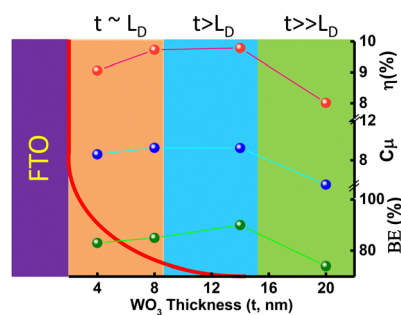
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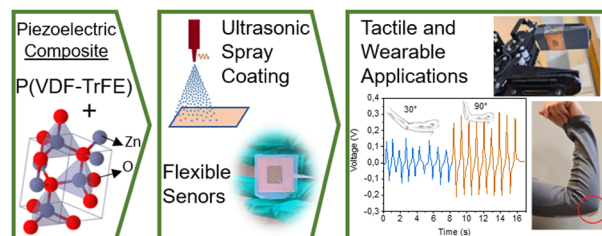
Neeraj Kumar, Sipra Choudhury, Aman Mahajan and Vibha Saxena*



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Toward high quality tactile sensors using ZnO/P(VDF-TrFE) flexible piezoelectric composite films

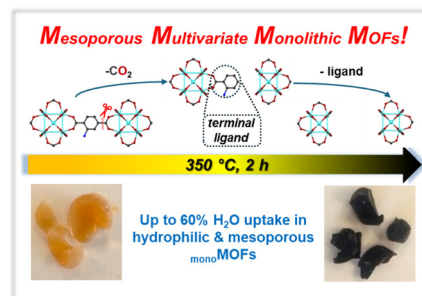
Sepide Taleb,* Wiebren M. van Lingen and Mónica Acuautila



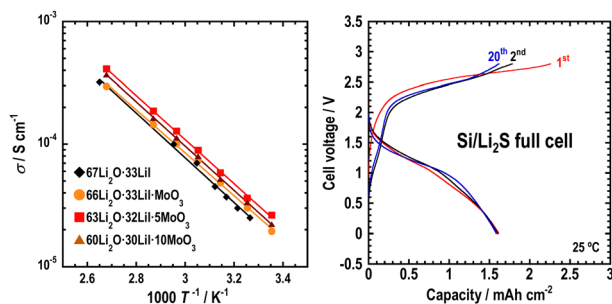
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Water sorption studies with mesoporous multivariate monoliths based on UiO-66

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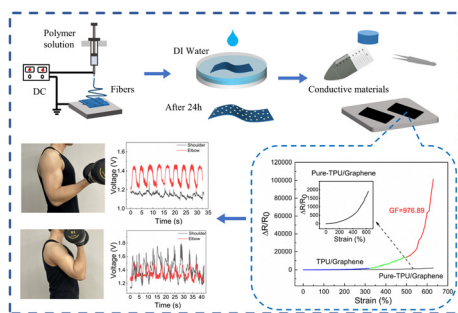
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Amorphous $\text{Li}_2\text{O-LiI-MoO}_3$ solid electrolytes: mechanochemical synthesis and application to all-solid-state batteries

Yushi Fujita, Tomoya Otono, Taichi Asakura, Jiong Ding, Hirofumi Tsukasaki, Shigeo Mori, Kota Motohashi, Atsushi Sakuda* and Akitoshi Hayashi

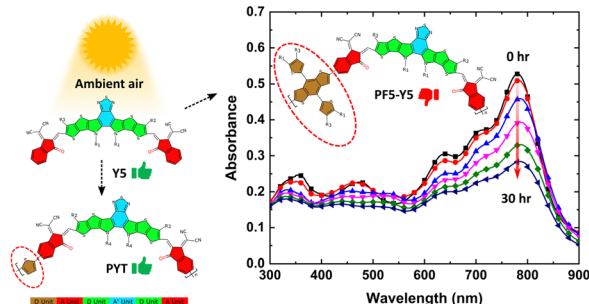
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Highly tensile and sensitive strain sensors with micro-nano topology optimization

Weixia Lan, Qiqi Ding, Tao Zhou, Zilong Guo, Wenbin Sun, Zhenghui Wu,* Yingjie Liao,* Bin Wei and Yuanyuan Liu*

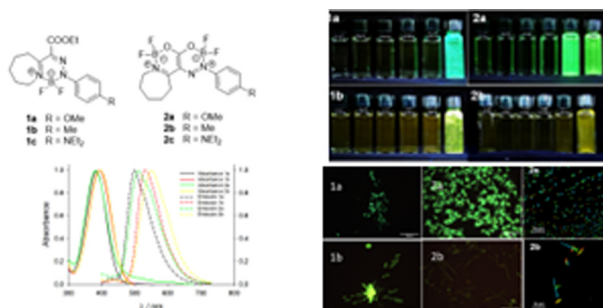
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Effect of molecular structure on the photochemical stability of acceptor and donor polymers used in organic solar cells

Suraj Prasad, Zewdneh Genene, Cleber F. N. Marchiori, Shivam Singh, Leif K. E. Ericsson, Ergang Wang, C. Moyses Araujo and Ellen Moons*

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Solid-state and aggregation-induced emission of novel bicyclic and tricyclic difluoroboron heterocycles

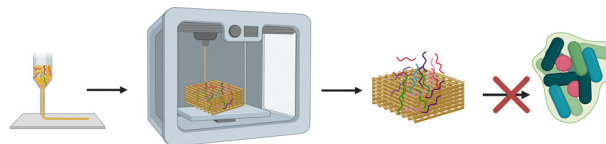
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3D printable gelatin/nisin biomaterial inks for antimicrobial tissue engineering applications

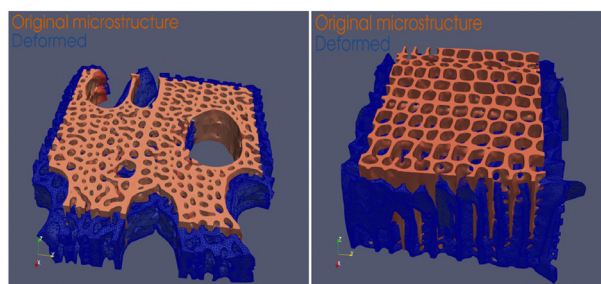
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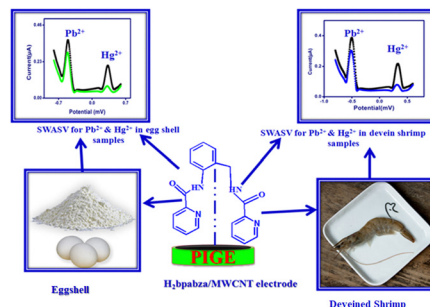
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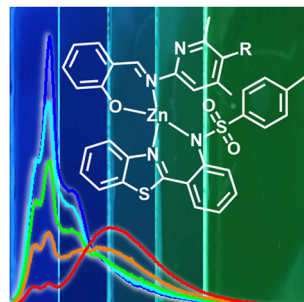
Kumar Sangeetha Selvan,* Jayagopi Gayathri* and Sivakumar Sivalingam



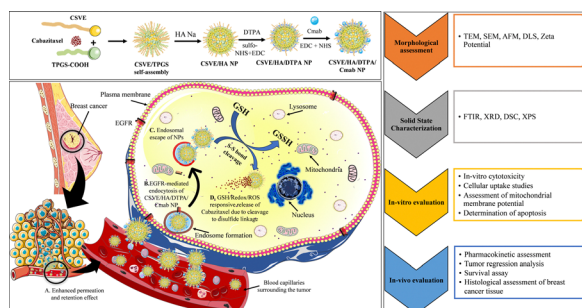
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Zinc(II)-heteroligand compounds for wet processing OLEDs: a study on balancing charge carrier transport and energy transfer

Emmanuel Santos Moraes, Luís Gustavo Teixeira Alves Duarte, Fabiano Severo Rodembusch, José Carlos Germino,* Luiz Fernando Ribeiro Pereira* and Teresa Dib Zambon Atvars*



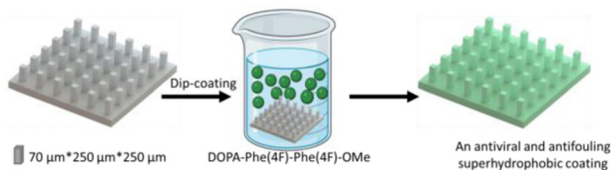
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Cabazitaxel-loaded redox-responsive nanocarrier based on D-alpha-tocopheryl-chitosan and hyaluronic acid for improved anti-tumor efficacy in DMBA-induced breast cancer model

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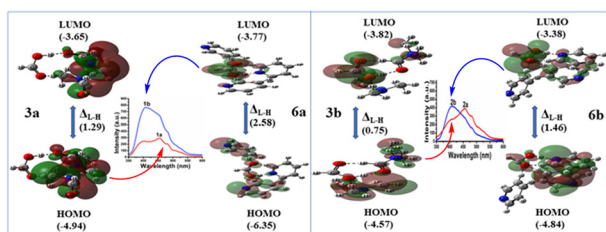
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An antifouling and antiviral superhydrophobic elastomer formed by 3D printing and a peptide-based coating

Tan Hu, Noa Trink, Shlomo Magdassi* and Meital Rechtes*

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