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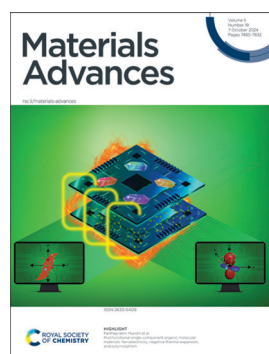
IN THIS ISSUE

ISSN 2633-5409 CODEN MAADC9 5(19) 7485-7832 (2024)



Cover

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Inside cover

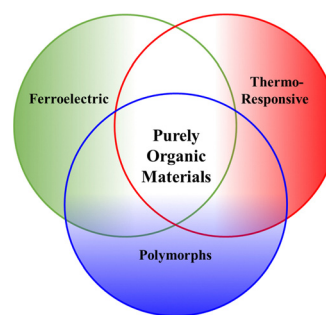
See Parthapratim Munshi *et al.*, pp. 7495–7515. Image reproduced by permission of Parthapratim Munshi from *Mater. Adv.*, 2024, 5, 7495.

HIGHLIGHT

7495

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

Sanjay Dutta, Lalita Negi and Parthapratim Munshi*

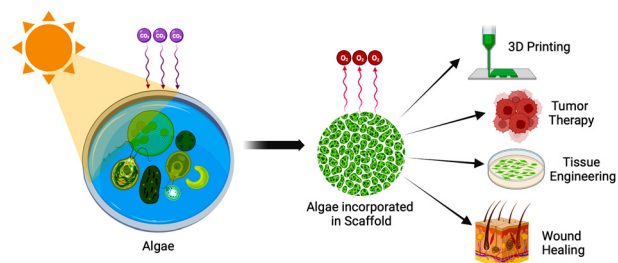


PERSPECTIVE

7516

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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REVIEWS

7534

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

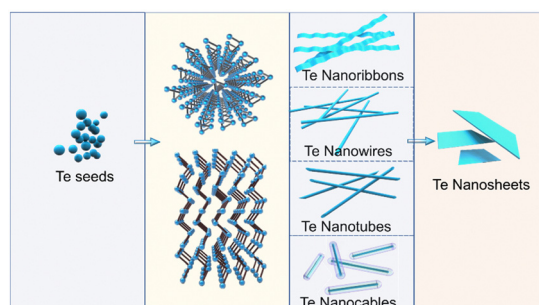
Thiago Bertaglia, Carlos M. Costa, Senentxu Lanceros-Méndez* and Frank N. Crespilho*



7548

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

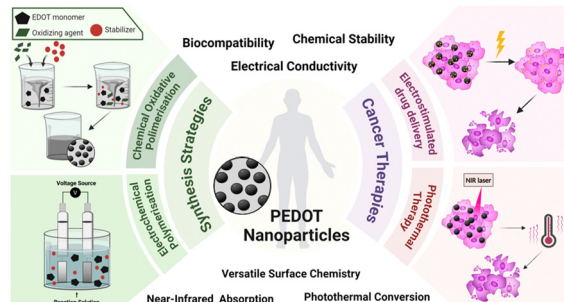
Jinshu Li, Qingshan Yang, Dawei He, Yongsheng Wang, Euyheon Hwang and Yajie Yang*



7561

Synthesis strategies and cancer therapy applications of PEDOT nanoparticles

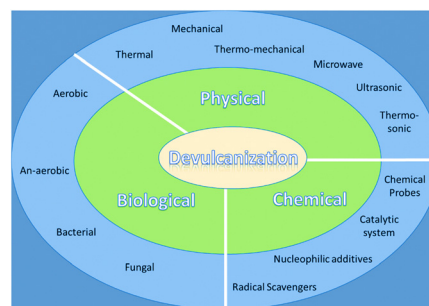
Diogo Dias, Leonor Resina, Frederico Castelo Ferreira, Paola Sanjuan-Alberte* and Teresa Esteves*



7584

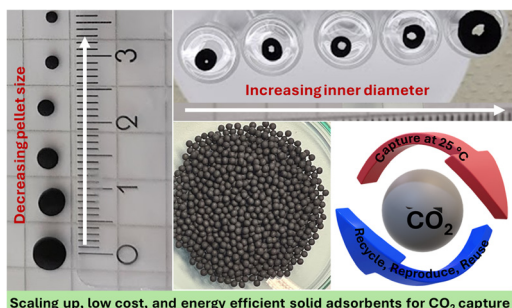
Advances in recycling of waste vulcanized rubber products via different sustainable approaches

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



COMMUNICATIONS

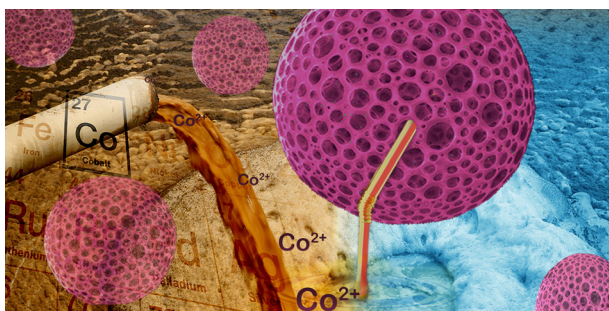
7601



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

Baljeet Singh,* Marianna Kemell and Timo Repo*

7609

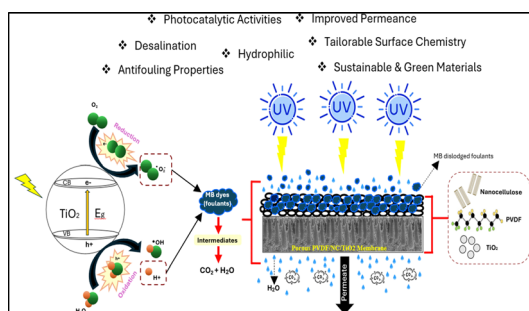


EDTA-functionalized hierarchical porous microspheres for effective cobalt ion recovery from water

Mao-Hsuan Peng and Chia-Chen Li*

PAPERS

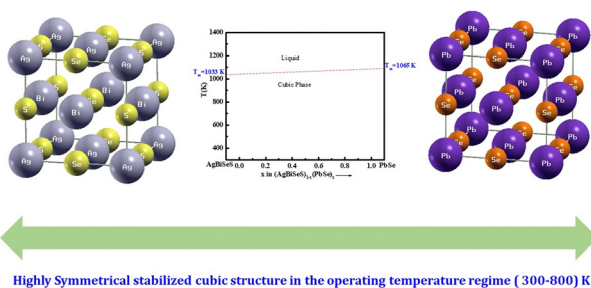
7617



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

Md Rezaur Rahman,* Anthonette James, Khairul Anwar Mohamed Said, Murtala Namakka, Mayeen Uddin Khandaker, Woo Haw Jiunn, Jehan Y. Al-Humaidi, Raed H. Althomali and Mohammed Muzibur Rahman

7637



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

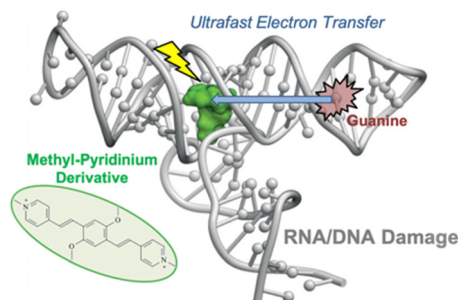
Ranita Basu,* U. Sandhya Shenoy, Ankita Pathak, Shweta Singh, P. Jha, D. Krishna Bhat, Hirakendu Basu and Ajay Singh



7650

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

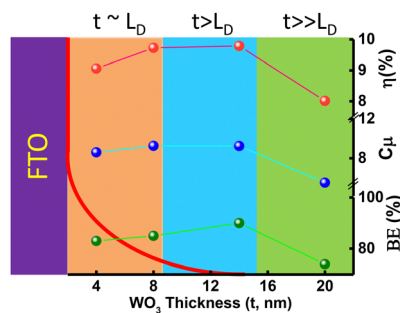
Alessio Cesaretti, Giulia Pantella, Gianmarco Reali, Giuseppe Consiglio, Cosimo G. Fortuna, Fausto Elisei, Anna Spalletti and Benedetta Carlotti*



7659

Enhanced efficiency of dye-sensitized solar cells *via* controlled thickness of the WO₃ Langmuir–Blodgett blocking layer in the Debye length regime

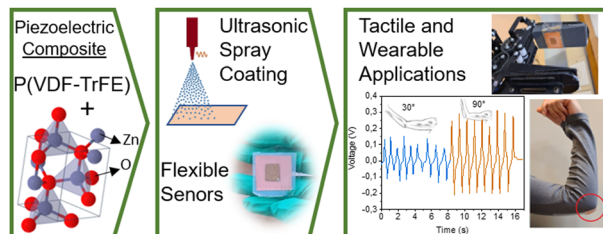
Neeraj Kumar, Sipra Choudhury, Aman Mahajan and Vibha Saxena*



7671

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

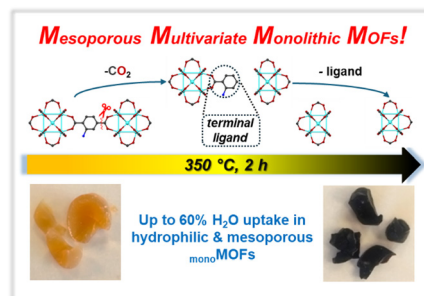
Sepide Taleb,* Wiebren M. van Lingen and Mónica Acuautila



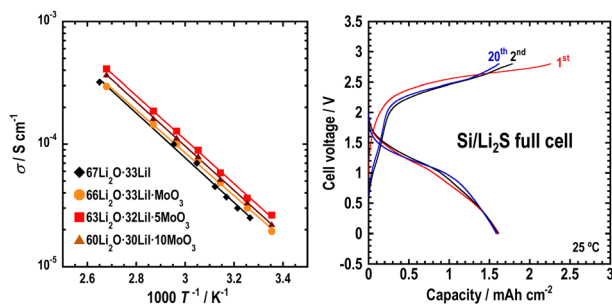
7679

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

Linia Gedi Marazani, Victoria Gascon-Perez, Ayush Pathak, Michele Tricarico, Jin-Chong Tan, Michael J. Zaworotko, Andrew E. H. Wheatley, Banothile C. E. Makhubela and Gift Mehlana*



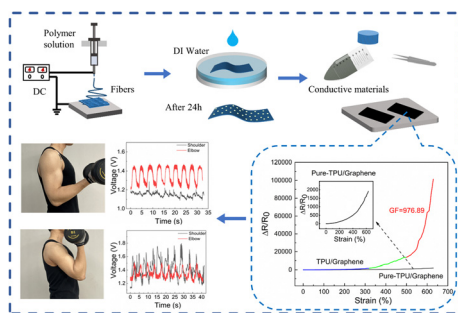
7690



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

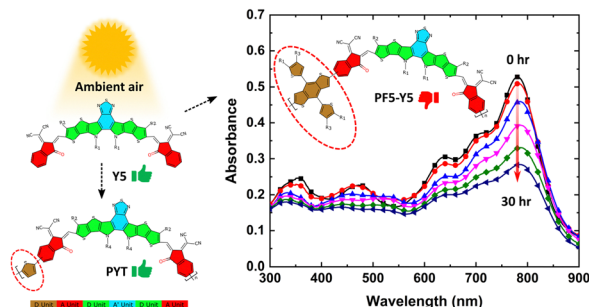
7700



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*

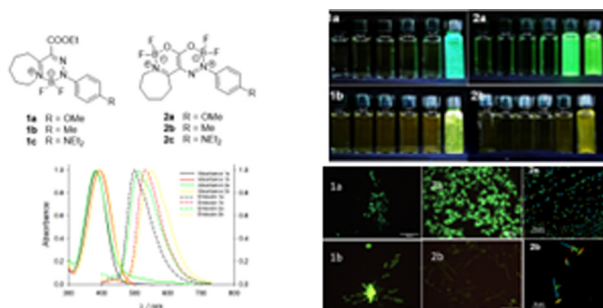
7708



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*

7721



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

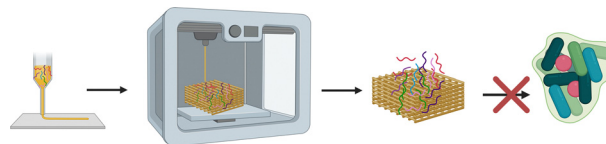
Martina Žabenská, Chiara Capolungo, Chiara Mariani, Damiano Genovese, Tomáš Mikysek, Jiří Vaňa, Aleš Růžička, František Josefík, Markéta Svobodová* and Petr Šimůnek*



7729

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

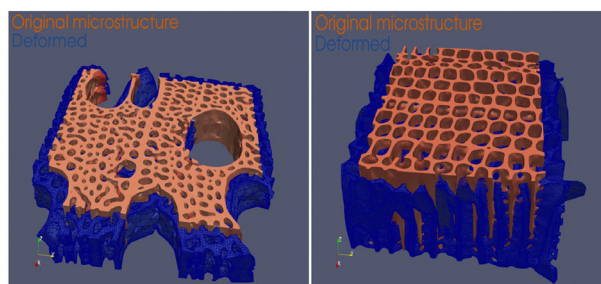
Mateo Dallos Ortega, Jenny Aveyard, Alexander Ciupa, Robert J. Poole, David Whetnall, Julia G. Behnsen and Raechelle A. D'Sa*



7747

Developing the orthotropic linear-elastic model for wood applications using the FE method

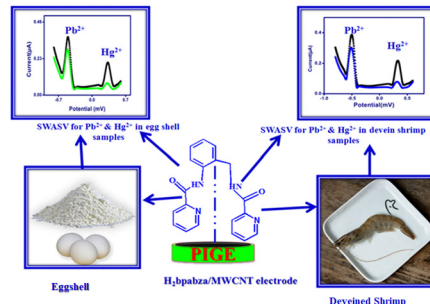
Tarik Chakkour* and Patrick Perré



7766

Stripping analysis of Pb²⁺ and Hg²⁺ in deveined shrimp and eggshells using a H₂bpbzta/MWCNT-modified graphite electrode

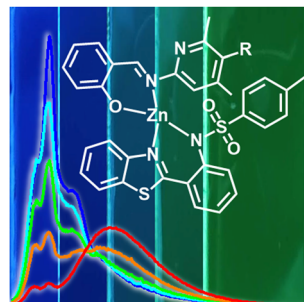
Kumar Sangeetha Selvan,* Jayagopi Gayathri* and Sivakumar Sivalingam



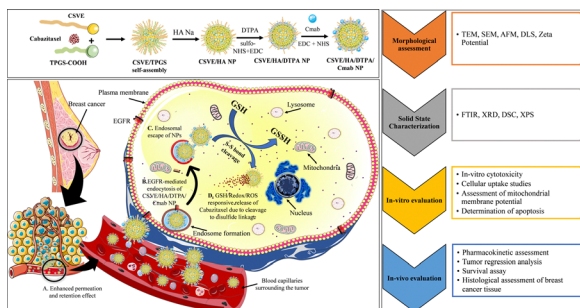
7778

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*



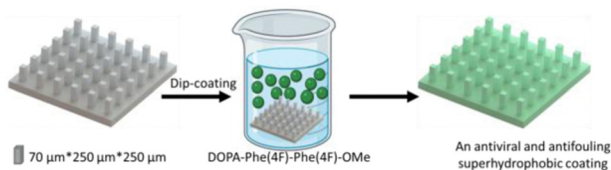
7789



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

Abhishek Jha, Manish Kumar, Pooja Goswami, Kanchan Bharti, Manjit Manjit, Ashutosh Gupta, Sudheer Moorkoth, Biplob Koch* and Brahmeshwar Mishra*

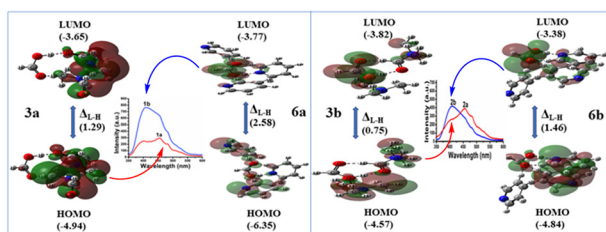
7809



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

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

7817



Development of photoluminescent hydrogen-bonded frameworks based on pyromellitic diimide-tethered carboxylic acid hosts and multi-bonding solvent guests

Raju Ram Puniya, Priyanka Takhar, Monika Chhapoliya, Rinki Deka, Dhruva Jyoti Kalita and Devendra Singh*

