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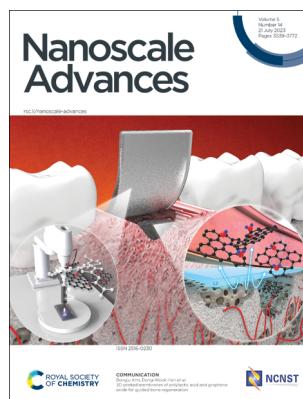
IN THIS ISSUE

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Cover

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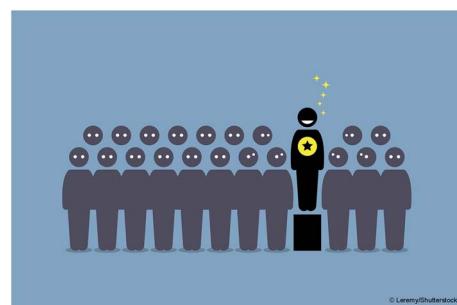
Inside cover

See Bongju Kim, Dong-Wook Han *et al.*, pp. 3619–3628. Image reproduced by permission of Dong-Wook Han from *Nanoscale Adv.*, 2023, 5, 3619.

EDITORIAL

3548

Outstanding Reviewers for *Nanoscale Advances* in 2022



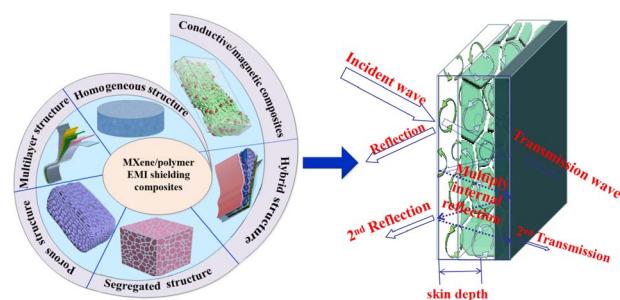
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REVIEWS

3549

Structural design and preparation of $Ti_3C_2T_x$ MXene/polymer composites for absorption-dominated electromagnetic interference shielding

Qimei Zhang, Qi Wang, Jian Cui, Shuai Zhao, Guangfa Zhang, Ailin Gao and Yehai Yan*



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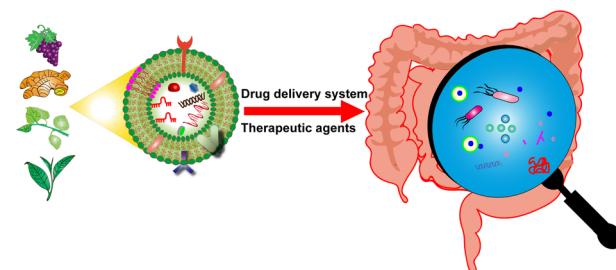


REVIEWS

3575

Plant-derived exosomal nanoparticles: potential therapeutic for inflammatory bowel disease

De-feng Li, Qi Tang, Mei-feng Yang, Hao-ming Xu, Min-zheng Zhu, Yuan Zhang, Cheng-mei Tian, Yu-qiang Nie, Jian-yao Wang,* Yu-jie Liang,* Li-sheng Wang* and Jun Yao*

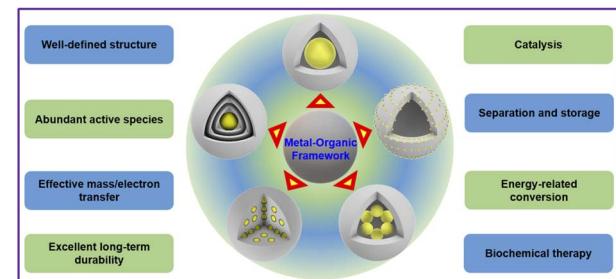


MINIREVIEWS

3589

Recent strategies for constructing hierarchical multicomponent nanoparticles/metal–organic framework hybrids and their applications

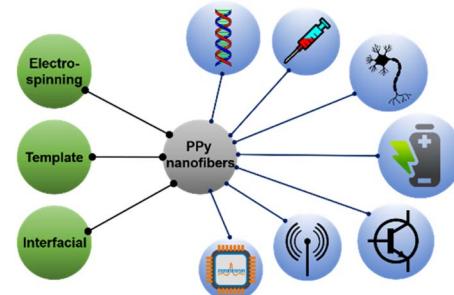
Ngoc Minh Tran, Anh Ngoc Nguyen, Jungeun Bae, Jinhee Kim, Dahae Kim and Hyojong Yoo*



3606

Synthesis and application of polypyrrole nanofibers: a review

Yang Liu* and Feng Wu*

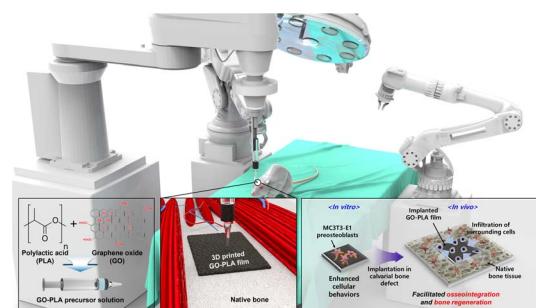


COMMUNICATIONS

3619

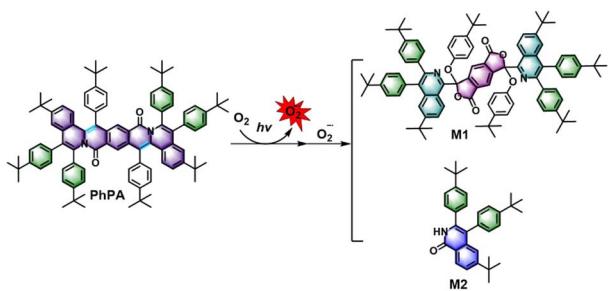
3D printed membranes of polylactic acid and graphene oxide for guided bone regeneration

Hee Jeong Jang, Moon Sung Kang, Won-Hyeon Kim, Hyo Jung Jo, Sung-Ho Lee, Eun Jeong Hahm, Jung Hyun Oh, Suck Won Hong, Bongju Kim* and Dong-Wook Han*



COMMUNICATIONS

3629

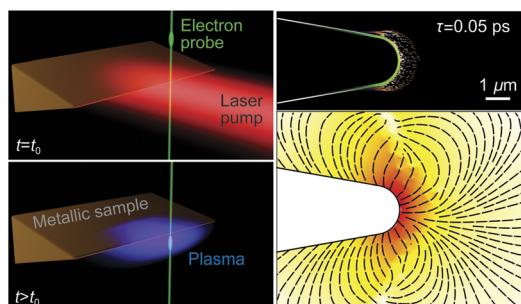


Synthesis and properties of novel type I photosensitizer polycyclic amide

Kui Wang, Tao Ye, Haoyang Du, Xiangyu Jin, Xiaofen Yi, Huiying Gao, Yuan Zhang, Wei Dong, Shihui Liu, Jing Guan,* Feng Lin* and Debin Xia

PAPERS

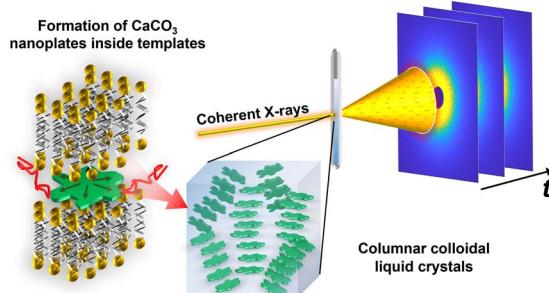
3634



Generation and control of localized terahertz fields in photoemitted electron plasmas

Eduardo J. C. Dias,* Ivan Madan, Simone Gargiulo, Francesco Barantani, Michael Yannai, Giovanni Maria Vanacore, Ido Kaminer, Fabrizio Carbone and F. Javier García de Abajo*

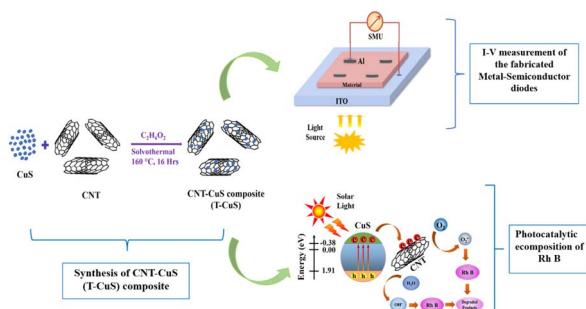
3646



Experimental probing of dynamic self-organized columnar assemblies in colloidal liquid crystals

Taiki Hoshino,* Masanari Nakayama,* Yoshihiro Hosokawa, Kohei Mochizuki, Satoshi Kajiyama, Yoshiki Kohmura and Takashi Kato*

3655



Development of hierarchical copper sulfide–carbon nanotube (CuS–CNT) composites and utilization of their superior carrier mobility in efficient charge transport towards photodegradation of Rhodamine B under visible light

Mainak Das, Dhananjoy Das, Sayantan Sil and Partha Pratim Ray*

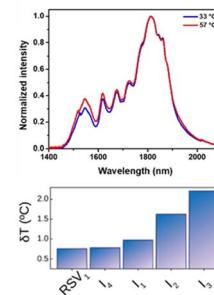


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3664

Lanthanide doped nanoparticles for reliable and precise luminescence nanothermometry in the third biological window

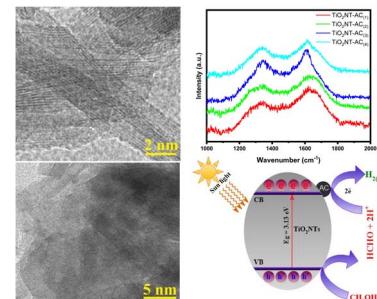
Ana C. C. Soares, Tasso O. Sales, Erving C. Ximenes, Daniel Jaque* and Carlos Jacinto*



3671

Biomass-derived carbon deposited TiO_2 nanotube photocatalysts for enhanced hydrogen production

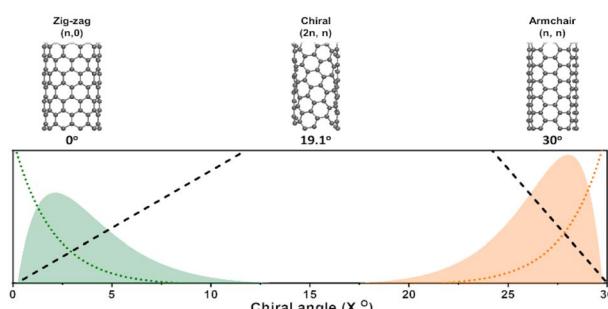
Shaeel Ahmed Alhabaiti, Zaheer Khan, Maqsood Ahmad Malik,* Salem Mohamed Bawaked, Soad Zahir Al-Sheheri, Mohamed Mokhtar, Sharf Ilahi Siddiqui and Katabathini Narasimharao*



3684

An extended model for chirality selection in single-walled carbon nanotubes

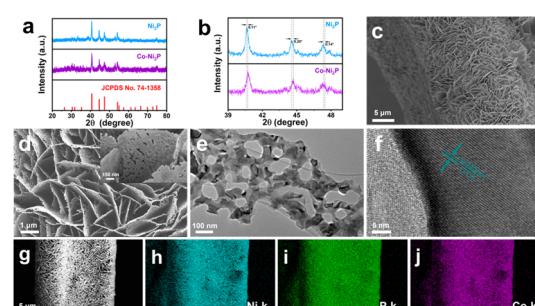
Nigora Turaeva, Yoosuk Kim and Irma Kuljanishvili*



3691

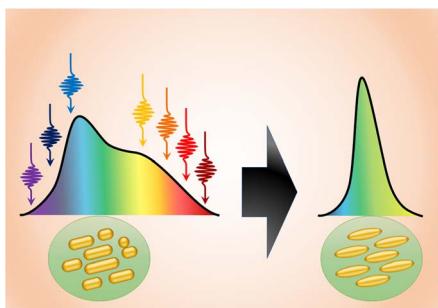
Defect engineering and atomic doping of porous Co-Ni₂P nanosheet arrays for boosting electrocatalytic oxygen evolution

Qiangqiang Wang, Hongmin Ma, Xiang Ren, Xu Sun, Xuejing Liu, Dan Wu* and Qin Wei*



PAPERS

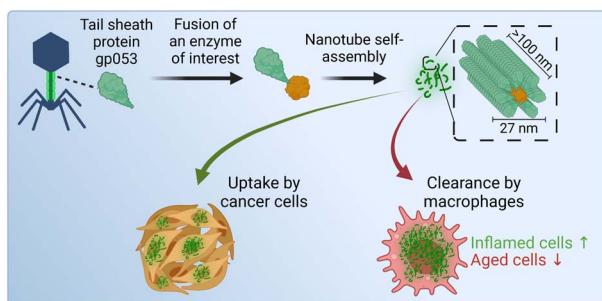
3697



Tunable-wavelength nanosecond laser tailoring of plasmon resonance spectra of gold nanoparticle colloids

Thanyada Sukmanee, Michał Szuster, Aleksander Gorski, Marcin Hołyński and Sylwester Gawinkowski*

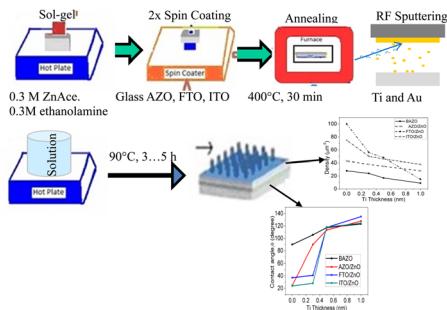
3705



Nanotubes from bacteriophage tail sheath proteins: internalisation by cancer cells and macrophages

Dovydas Gabrielaitis, Vilmane Zitkute, Lina Saveikyte, Greta Labutyte, Martynas Skapas, Rolandas Meskys, Vida Casaite, Ausra Sasnauskiene* and Urte Neniskyte*

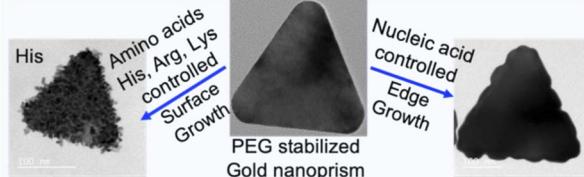
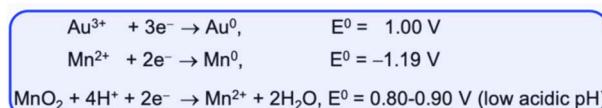
3717



Effect of Ti and Au buffer layers on controlling the density and wettability of well-aligned ZnO nanorod arrays grown on different substrates

M. Kamruzzaman* and J. A. Zapien*

3729



Seed free synthesis of polyethylene glycol stabilized gold nanoprisms exploiting manganese metal at low pH

Kanika Bharti, Md Azimuddin Sk and Kalyan K. Sadhu*

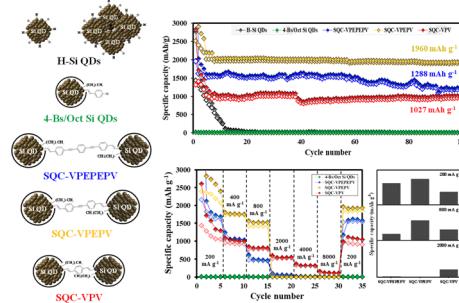


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3737

Influence of bridge structure manipulation on the electrochemical performance of π -conjugated molecule-bridged silicon quantum dot nanocomposite anode materials for lithium-ion batteries

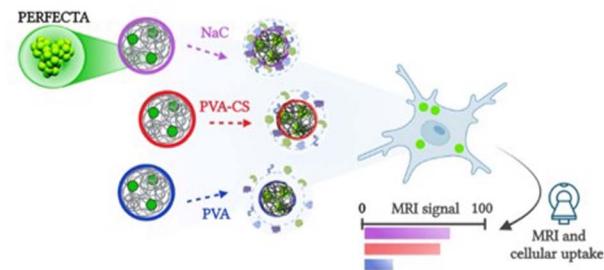
Young-Hwa Choi, Jiyoung Bang, Sunyoung Lee and Hyun-Dam Jeong*



3749

Pivotal role of the protein corona in the cell uptake of fluorinated nanoparticles with increased sensitivity for ^{19}F -MR imaging

Lodovico Gatti, Cristina Chirizzi, Giulia Rotta, Pietro Milesi, María Sancho-Albero, Victor Sebastián, Anna Mondino, Jesús Santamaría, Pierangelo Metrangolo, Linda Chaabane* and Francesca Baldelli Bombelli*



3761

Highly selective CO_2 sensing response of lanthanum oxide nanoparticle electrodes at ambient temperature

Amutha Eswaran, Madhumitha Thirumalainambi, Rajaduraipandian Subramaniam and Gurusamy Annadurai*

