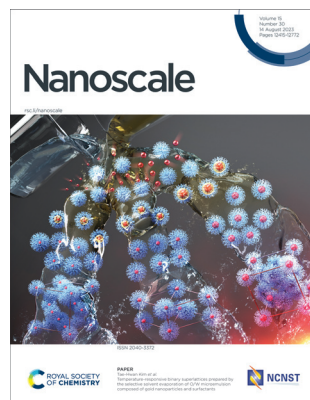


IN THIS ISSUE

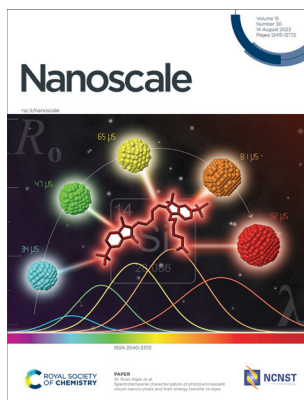
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See W. Russ Algar *et al.*, pp. 12492–12505.

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PROFILE

12426

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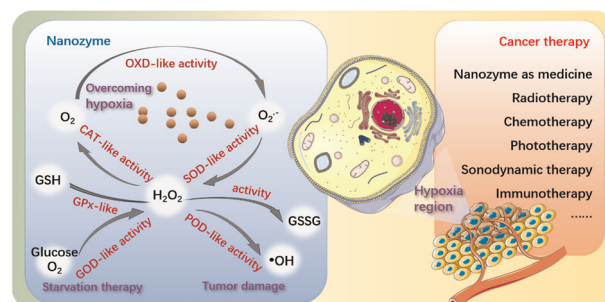


MINIREVIEW

12455

Nanozyme: a rising star for cancer therapy

Qingqing Wang,* Jing Liu, Liangcan He, Shaoqin Liu* and Piaoping Yang*



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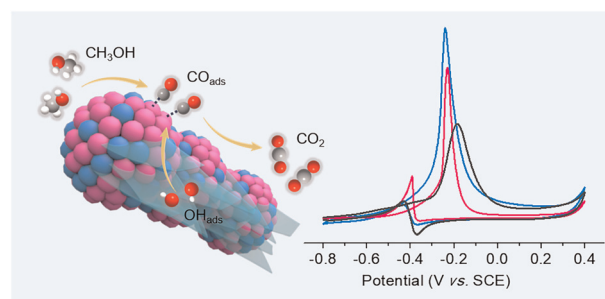


COMMUNICATIONS

12464

Hierarchical PdNi alloy nanochains coupled with Ni(OH)₂ nanosheets to enhance CO-poisoning resistance for the methanol oxidation reaction

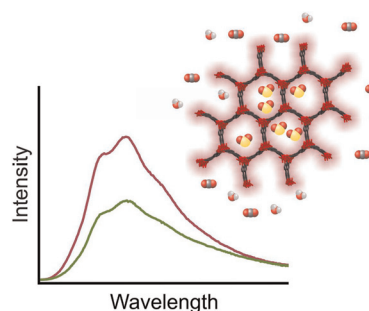
Anzhou Yang, Keying Su, Yujia Liang, Shan Yang, Wu Lei, Yawen Tang* and Xiaoyu Qiu*



12471

Detection of SO₂ using a chemically stable Ni(II)-MOF

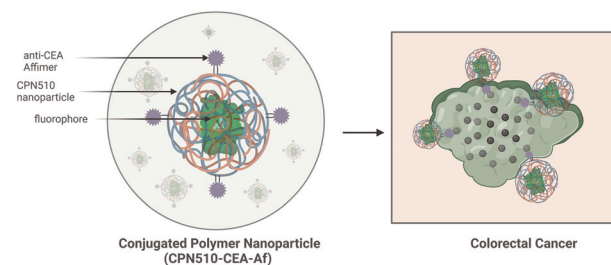
Valeria B. López-Cervantes, Dae Won Kim, Juan L. Obeso, Eva Martínez-Ahumada, Yoarhy A. Amador-Sánchez, Elí Sánchez-González, Carolina Leyva, Chang Seop Hong,* Ilich A. Ibarra* and Diego Solís-Ibarra*



12476

Fluorescent imaging using novel conjugated polymeric nanoparticles-affimer probes in complex *in vitro* models of colorectal cancer

Precious Jolugbo, Thomas Willott, Wei-Hsiang Lin, Thomas Maisey, Dermott O'Callaghan, Mark A. Green, David G. Jayne and M. Ibrahim Khot*

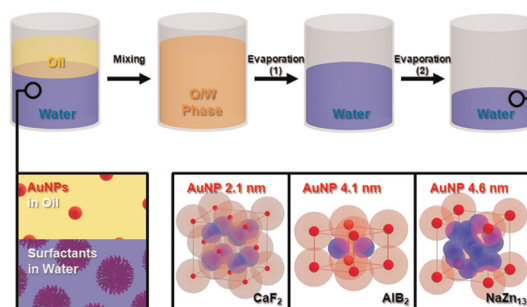


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12481

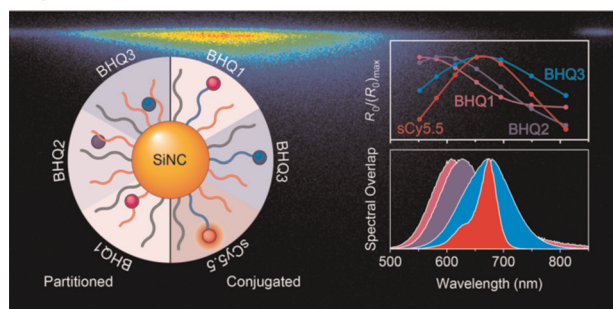
Temperature-responsive binary superlattices prepared by the selective solvent evaporation of O/W microemulsion composed of gold nanoparticles and surfactants

Young-Jin Yoon, Jae-Min Ha, Hyuk-Jin Seo, Jong Dae Jang, Changwoo Do and Tae-Hwan Kim*



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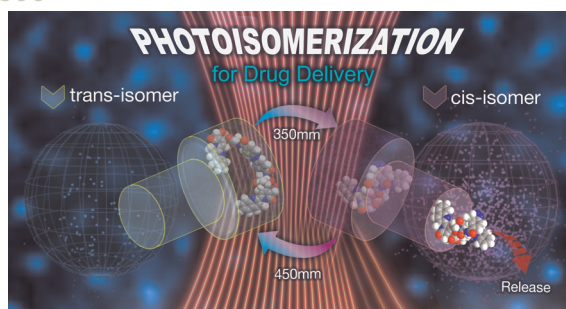
12492



Spectrotemporal characterization of photoluminescent silicon nanocrystals and their energy transfer to dyes

Hsin-Yun Tsai, Christopher Jay T. Robidillo, Gunwant K. Matharu, Kevin O'Connor, I. Teng Cheong, Chuyi Ni, Jonathan G. C. Veinot and W. Russ Algar*

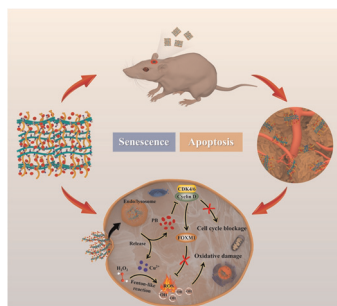
12506



Light-activated controlled release of camptothecin by engineering porous materials: the ship in a bottle concept in drug delivery

Eva Rivero-Buceta, Mirela E. Encheva, Bradley Cech, Eduardo Fernandez, Germán Sastre, Christopher C. Landry* and Pablo Botella*

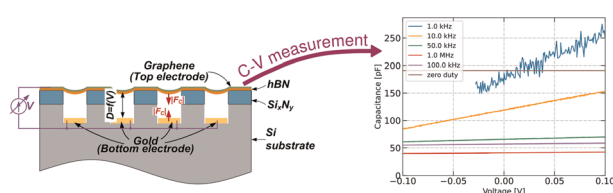
12518



Targeting CDK4/6 in glioblastoma via *in situ* injection of a cellulose-based hydrogel

Xia Zhang, Like Ning, Hongshuai Wu, Suisui Yang, Ziyi Hu, Wenhong Wang, Yuandong Cao, Hongliang Xin, *Chaoqun You* and Fan Lin*

12530



A graphene/h-BN MEMS varactor for sub-THz and THz applications

Piotr A. Drózd, *Maciej Haras, *Aleksandra Przewłoka, *Aleksandra Krajewska, Maciej Filipiak, Mateusz Stowikowski, Bartłomiej Stonio, Karolina Czerniak-Łosiewicz, Zygmunt Mierczyk, Thomas Skotnicki and Dmitri Lioubchenko

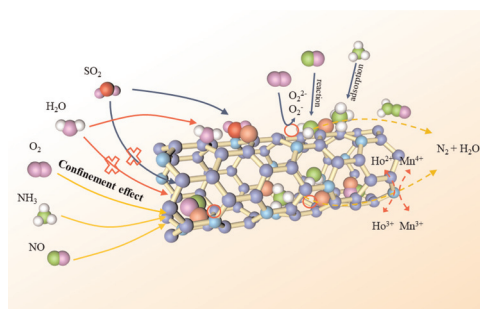


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12540

Unveiling a remarkable enhancement role by designing a confined structure Ho-TNTs@Mn catalyst for low-temperature NH_3 -SCR reaction

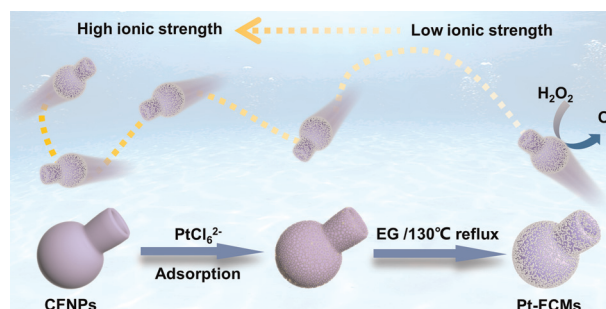
Tian Zhao, Xiaosheng Huang,* Rongji Cui, Guodong Zhang and Zhicheng Tang*



12558

Ultrasmall Pt NPs-modified flasklike colloidal motors with high mobility and enhanced ion tolerance

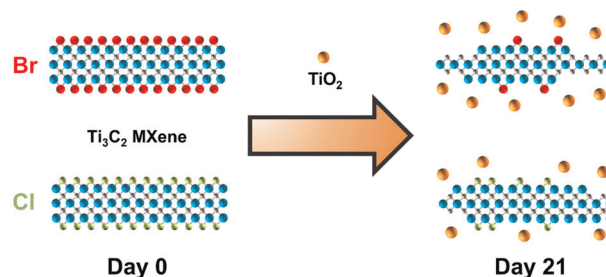
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12567

Effect of terminal groups on the degradation stability of $\text{Ti}_3\text{C}_2\text{T}_z$ MXenes

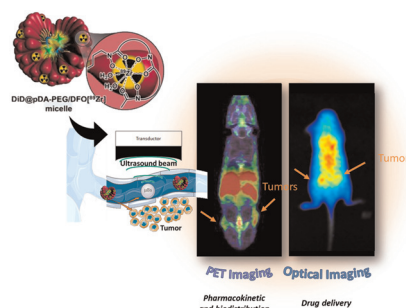
Swarnima Athavale, Stefano A. Micci-Barreca, Kailash Arole, Vrushali Kotasthane, Jodie L. Lutkenhaus, Miladin Radovic and Micah J. Green*



12574

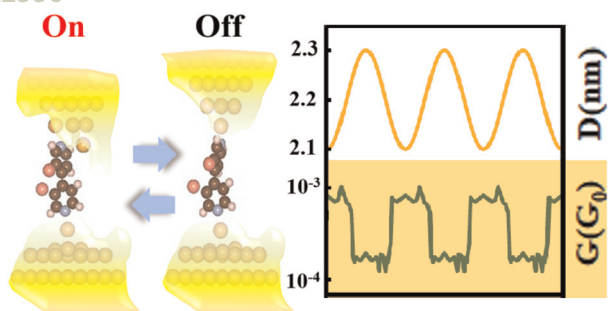
Sonoporation-assisted micelle delivery in subcutaneous glioma-bearing mice evaluated by PET/fluorescent bi-modal imaging

Estelle Porret, Stéphane Hoang, Caroline Denis, Eric Doris, Martin Hruby, Anthony Novell, Edmond Gravel* and Charles Truillet*



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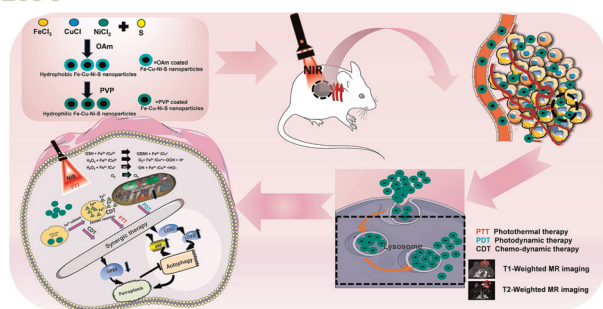
12586



Decoding the mechanical conductance switching behaviors of dipyrindyl molecular junctions

Feng Sun, Lin Liu, Chang-Feng Zheng, Yu-Chen Li, Yan Yan, Xiao-Xiao Fu, Chuan-Kui Wang, Ran Liu,* Bingqian Xu* and Zong-Liang Li*

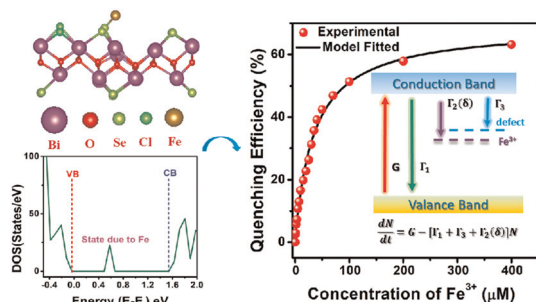
12598



An ultrasmall PVP-Fe-Cu-Ni-S nano-agent for synergistic cancer therapy through triggering ferroptosis and autophagy

Rongjun Zhang, Shuxiang Xu, Miaomiao Yuan,* Lihao Guo, Luoyijun Xie, Yingying Liao, Yang Xu* and Xuemei Fu*

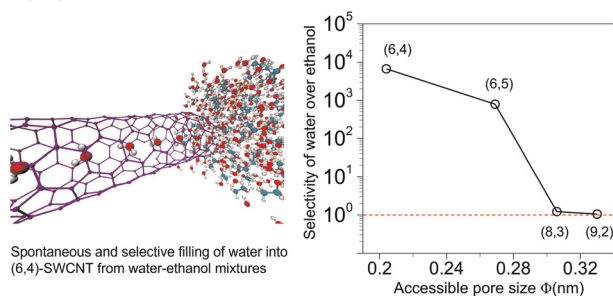
12612



Two-dimensional bismuth oxyselenide quantum dots as nanosensors for selective metal ion detection over a wide dynamic range: sensing mechanism and selectivity

Sumana Paul, Sanju Nandi, Mandira Das, Abhilasha Bora, Md Tarik Hossain, Subhradip Ghosh and P. K. Giri*

12626



Spontaneous sieving of water from ethanol using angstrom-sized nanopores

Archith Rayabharam, Haoran Qu, YuHuang Wang* and N. R. Aluru*

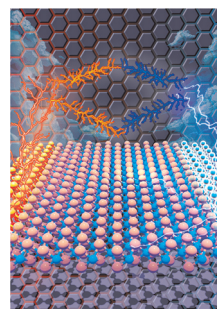


PAPERS

12634

Defect engineering for thermal transport properties of nanocrystalline molybdenum diselenide

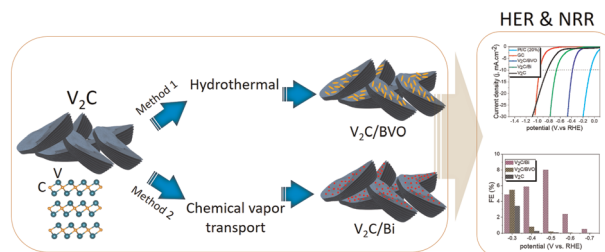
Soroush Sabbaghi, Vahid Bazargan and Ehsan Hosseini*



12648

Atomic-layered V_2C MXene containing bismuth elements: 2D/0D and 2D/2D nanoarchitectonics for hydrogen evolution and nitrogen reduction reaction

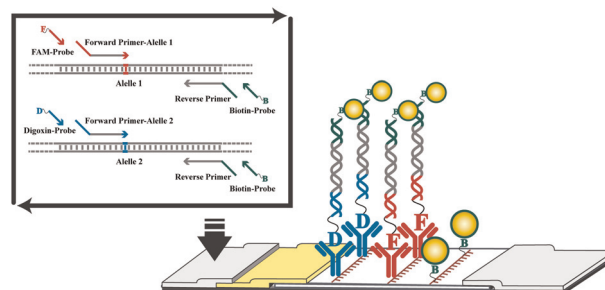
Sana Akir,* Jalal Azadmanjiri, Nikolas Antonatos, Lukáš Děkanovský, Pradip Kumar Roy, Vlastimil Mazánek, Roussin Lontio Fomekong, Jakub Regner and Zdeněk Sofer*



12660

Universal probe-based SNP genotyping with visual readout: a robust and versatile method

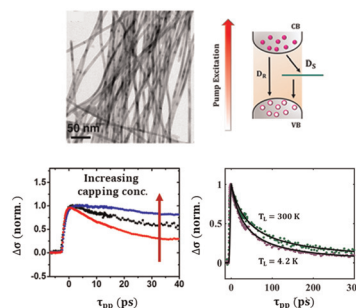
Zhongzhong Wang, Zhang Zhang, Wang Luo, Luojia Wang, Xiaole Han, Rong Zhao, Xin Liu, Jianhong Zhang, Wen Yu, Junjie Li, Yujun Yang,* Chen Zuo* and Guoming Xie*



12670

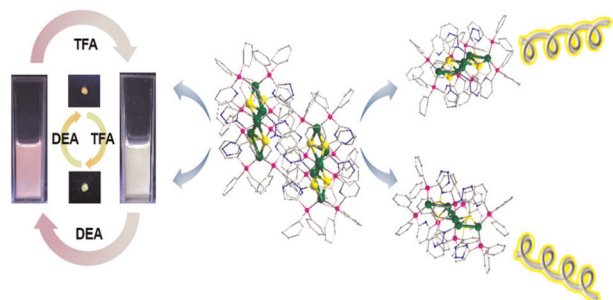
Ultrafast time-resolved carrier dynamics in tellurium nanowires using optical pump terahertz probe spectroscopy

K. P. Mithun, Shalini Tripathi, Ahin Roy, N. Ravishankar and A. K. Sood*



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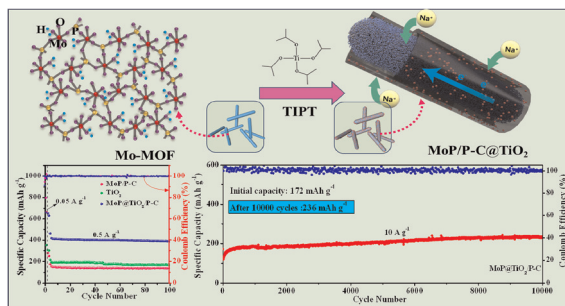
12679



Atomically precise chiral silver clusters based on non-chiral ligands for acid/base stimulated luminescence response

Shuaibo Wang, Weimiao He, Yujia Cui, Zhan Zhou,*
Lufang Ma and Shuang-Quan Zang*

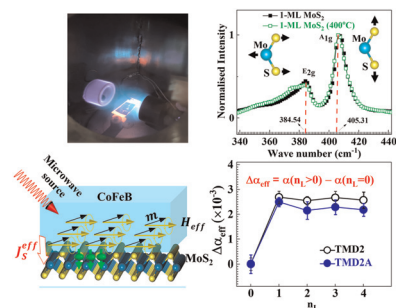
12686



TiO₂-coated MoP/phosphorus doped carbon nanorods for ultralong-life sodium ion batteries with high capacity

Chunmei Tan, Yiran Li, Wei He, Zhanzhan Wang,
Xiaoyu Liu, Yanjuan Li* and Xiao Yan*

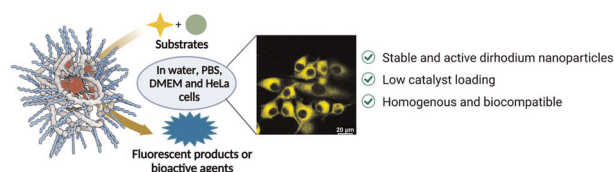
12694



High temperature stability in few atomic layer MoS₂ based thin film heterostructures: structural, static and dynamic magnetization properties

Nanhe Kumar Gupta, Amar Kumar, Lalit Pandey,
Soumyarup Hait, Vineet Barwal, Amir Khan,
Vireshwar Mishra, Nikita Sharma, Nakul Kumar and
Sujeet Chaudhary*

12710



Amphiphilic polymeric nanoparticles enable homogenous rhodium-catalysed NH insertion reactions in living cells

Anjana Sathyan, Tessa Loman, Linlin Deng and
Anja R. A. Palmans*

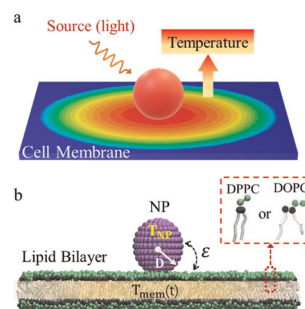


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12718

Thermal-controlled cellular uptake of "hot" nanoparticles

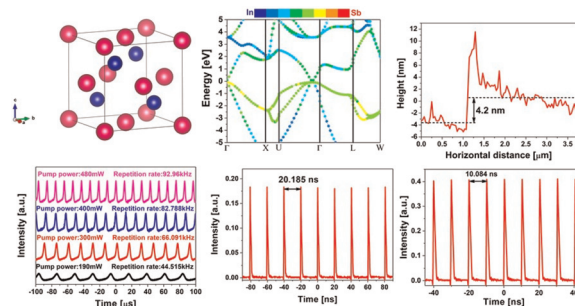
Haibo Chen, Xuewei Dong, Luping Ou, Chiyun Ma, Bing Yuan* and Kai Yang*



12728

InSb-based saturable absorbers for ultrafast photonic applications

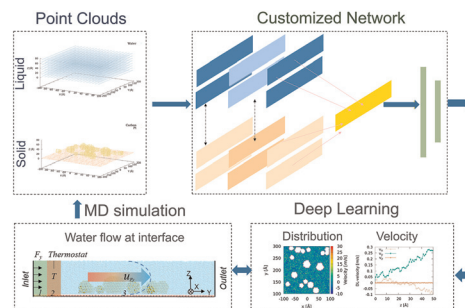
Lihui Pang,* Rongfeng Wang, Qiyi Zhao, Meng Zhao, Le Jiang, Xiaogang Zhang, Rongqian Wu, Yi Lv and Wenjun Liu*



12737

Prediction of water transport properties on an anisotropic wetting surface via deep learning

Yuting Guo, Haiyi Sun, Meng An, Takuya Mabuchi, Yinbo Zhao and Gaoyang Li*



12748

Anti-amyloidogenic amphipathic arginine-dehydrophenylalanine spheres capped selenium nanoparticles as potent therapeutic moieties for Alzheimer's disease

Avneet Kour, Virendra Tiwari, Nidhi Aggarwal, Himanshu Sekhar Panda, Ashwani Kumar, Siddharth Tiwari, Virander Singh Chauhan, Shubha Shukla* and Jiban Jyoti Panda*

