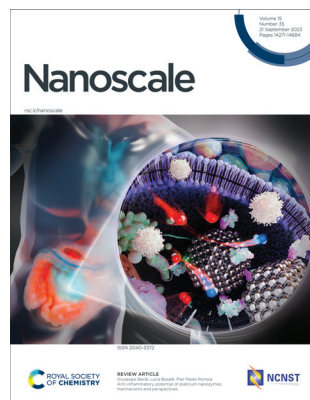


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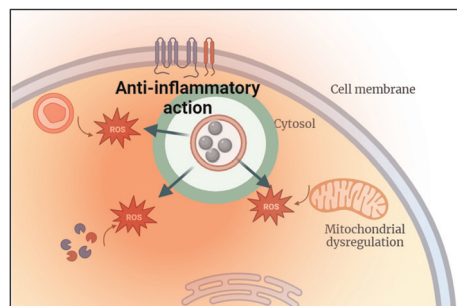
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Anti-inflammatory potential of platinum nanozymes: mechanisms and perspectives

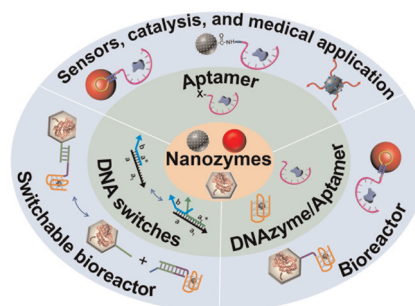
Giuseppe Bardi,* Luca Boselli* and Pier Paolo Pompa*



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Nucleic acid-functionalized nanozymes and their applications

Yunlong Qin, Yu Ouyang and Itamar Willner*



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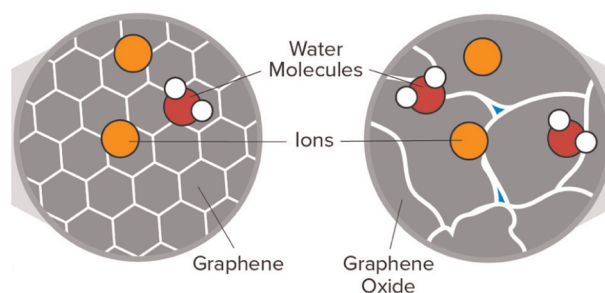


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Ion and water adsorption to graphene and graphene oxide surfaces

Amanda J. Carr,* Seung Eun Lee and Ahmet Uysal

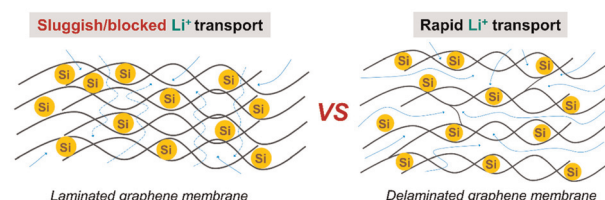


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Scalable engineering of hierarchical layered micro-sized silicon/graphene hybrids *via* direct foaming for lithium storage

Mathar Hamza, Siyuan Zhang, Wenqiang Xu, Denghui Wang, Yingjie Ma* and Xianglong Li*

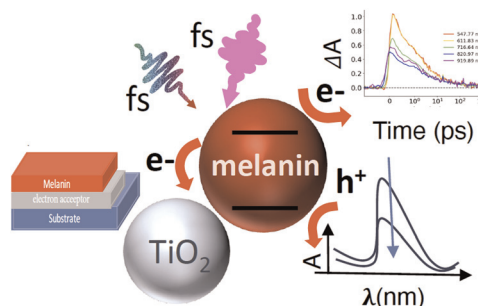


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Enhanced photochemical activity and ultrafast photocarrier dynamics in sustainable synthetic melanin nanoparticle-based donor-acceptor inkjet-printed molecular junctions

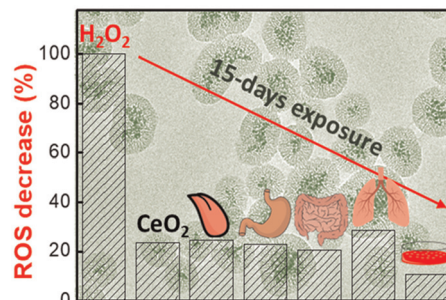
Max DeMarco, Matthew Ballard, Elinor Grage, Farnoush Nourigheimasi, Lillian Getter, Ashkan Shafiee and Elham Ghadiri*



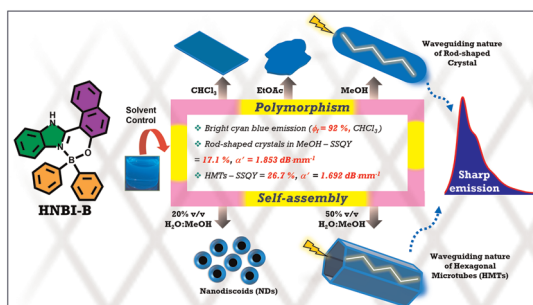
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Muling Zeng, Xu Zhang, Jie Tang, Xingfei Liu, Yichao Lin, Dongdong Guo, Yuping Zhang, Shijie Ju, Guillermo Fernández-Varo, Ya-Chao Wang,* Xiangyu Zhou,* Gregori Casals* and Eudald Casals*



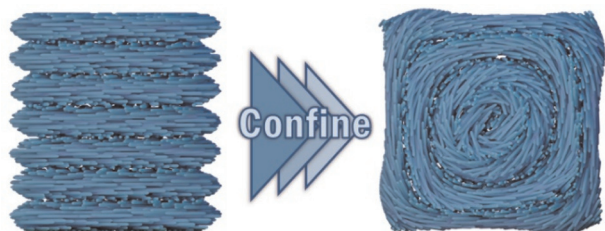
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Luminescent hexagonal microtubes prepared through water-induced self-assembly of a polymorphic organoboron compound: formation mechanism and waveguide behaviour

Pradip A. Gaikwad, Prodipta Samadder, Shubham Som, Deepak Chopra,* Prakash P. Neelakandan* and Aasheesh Srivastava*

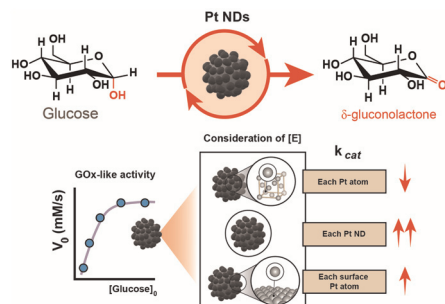
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Self-assembly of cellulose nanocrystals confined to square capillaries

Amanda J. Ackroyd, Adam De Paolis, Yi-Tao Xu, Arash Momeni, Wadood Y. Hamad and Mark J. MacLachlan*

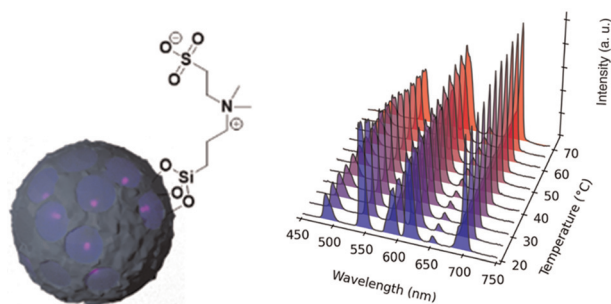
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Platinum-based nanodendrites as glucose oxidase-mimicking surrogates

Jose I. Garcia-Peiro, Javier Bonet-Aleta, Maria L. Tamayo-Fraile, Jose L. Hueso* and Jesus Santamaria*

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Hybrid multifunctionalized mesostructured stellate silica nanoparticles loaded with β -diketonate $\text{Tb}^{3+}/\text{Eu}^{3+}$ complexes as efficient ratiometric emissive thermometers working in water

Tristan Pelluau, Saad Sene, Lamiaa M. A. Ali, Gautier Félix, Faustine Manhes, Albano N. Carneiro Neto, Luis D. Carlos,* Belén Albela, Laurent Bonneviot, Erwan Oliviero, Magali Gary-Bobo, Yannick Guari* and Joulia Larionova*

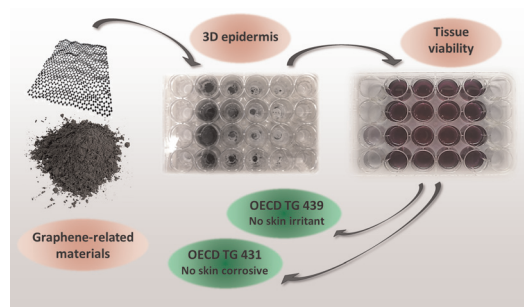


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***In vitro* assessment of skin irritation and corrosion properties of graphene-related materials on a 3D epidermis**

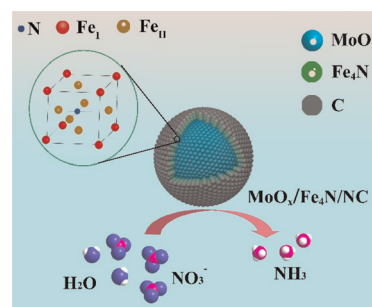
Michela Carlin, Marina Garrido, Silvio Sosa, Aurelia Tubaro, Maurizio Prato and Marco Pelin*



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Multi-layer core-shell metal oxide/nitride/carbon and its high-rate electroreduction of nitrate to ammonia

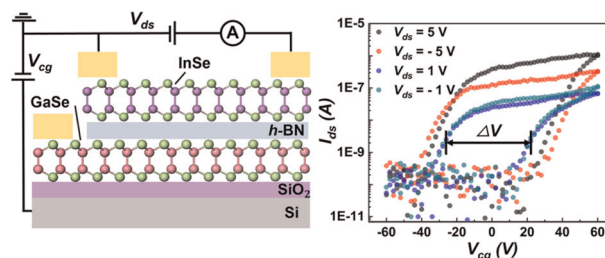
Xiaoyu Li, Ping Deng, Mengqiu Xu, Zhenbo Peng, Yuhu Zhou, Gan Jia, Wei Ye,* Peng Gao* and Wei Wang*



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Tunable non-volatile memories based on 2D InSe/ *h*-BN/GaSe heterostructures towards potential multifunctionality

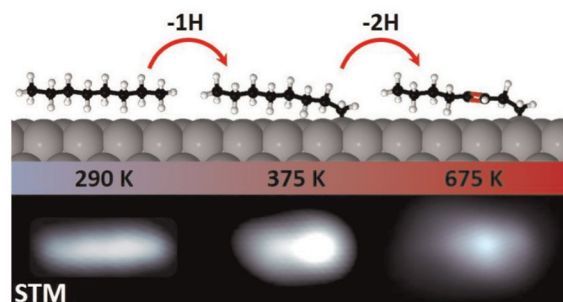
Xiang Gong, Yueying Zhou, Jiangnan Xia, Li Zhang, Lijie Zhang, Long-Jing Yin, Yuanyuan Hu,* Zhihui Qin* and Yuan Tian*



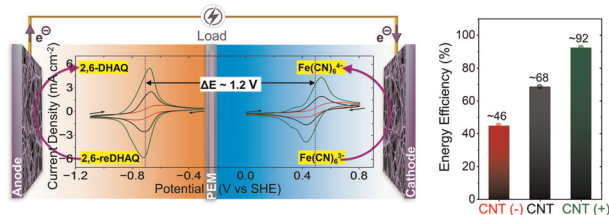
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***In situ* observation of the on-surface thermal dehydrogenation of *n*-octane on Pt(111)**

Daniel Arribas, Víctor Villalobos-Vilda, Ezequiel Tosi, Paolo Lacovig, Alessandro Baraldi, Luca Bignardi, Silvano Lizzit, José Ignacio Martínez, Pedro Luis de Andres, Alejandro Gutiérrez, José Ángel Martín-Gago and Pablo Merino*



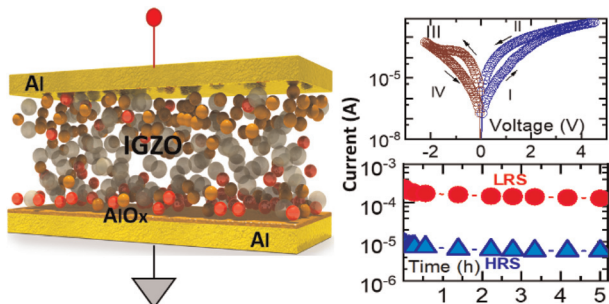
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Electrostatically driven unidirectional molecular flux for high performance alkaline flow batteries

Bhojkumar Nayak, Ritwik Mondal and Musthafa Ottakam Thotiyl*

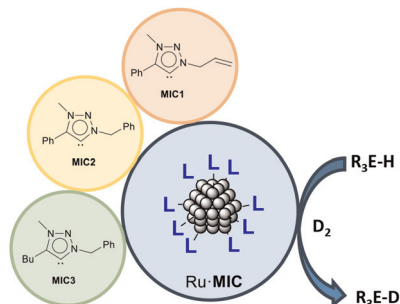
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Interface roughness effects and relaxation dynamics of an amorphous semiconductor oxide-based analog resistance switching memory

G. R. Haripriya, Hee Yeon Noh, Chan-Kang Lee, June-Seo Kim, Myoung-Jae Lee and Hyeon-Jun Lee*

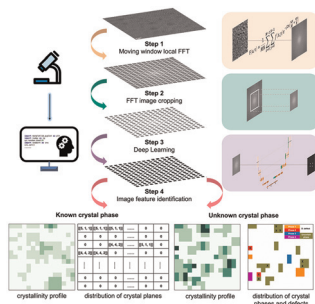
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Ruthenium nanoparticles stabilized by 1,2,3-triazolylidene ligands in the hydrogen isotope exchange of E-H bonds (E = B, Si, Ge, Sn) using deuterium gas

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Deep learning-assisted analysis of HRTEM images of crystalline nanoparticles

Xiaoyang Zhu, Yu Mao, Jizi Liu, Yi Chen, Chuan Chen, Yan Li, Xiao Huang* and Ning Gu*

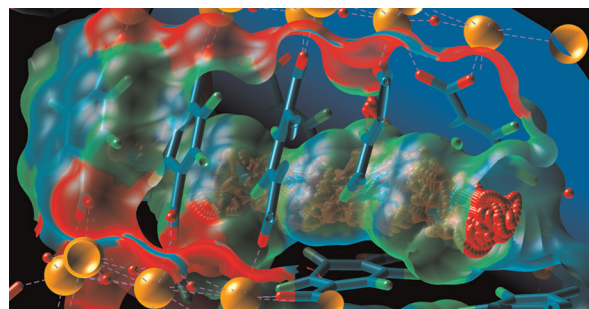


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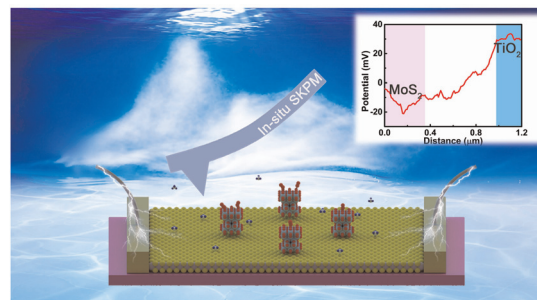
Susanna Monti,* Cheherazade Trouki and Giovanni Barcaro



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TiO₂-modified MoS₂ monolayer films enable sensitive NH₃ sensing at room temperature

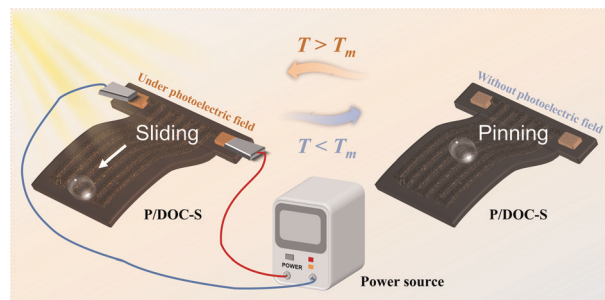
Lun Tan, Xianzhen Liu, Peng Wu, Liwei Cao, Wei Li, Ang Li,* Zhao Wang* and Haoshuang Gu*



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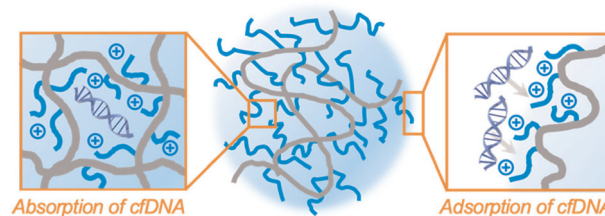
Xu Sun, Xuan Wang, Pu Guo, Lei Jiang and Liping Heng*



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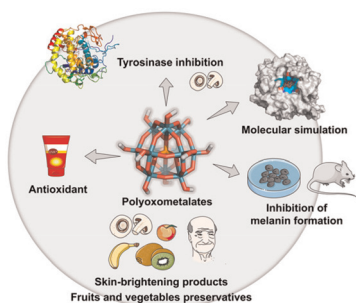
Nanogels designed for cell-free nucleic acid sequestration

Yuhang Huang, Shangyu Li, Logan W. C. Zettle, Yingshan Ma, Hani E. Naguib and Eugenia Kumacheva*



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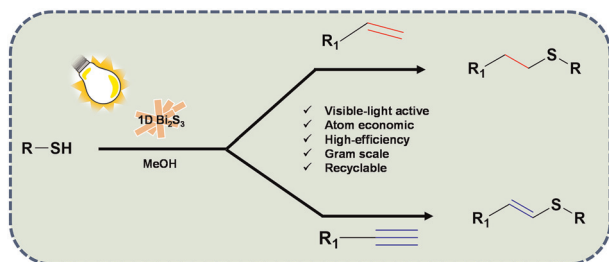
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Mechanism of melanogenesis inhibition by Keggin-type polyoxometalates

Guoxiang Chi, Die Shuai, Jiaxin Li, Xiangsong Chen, Han Yang, Meijuan Zhao, Zedong Jiang, Li Wang* and Bingnian Chen*

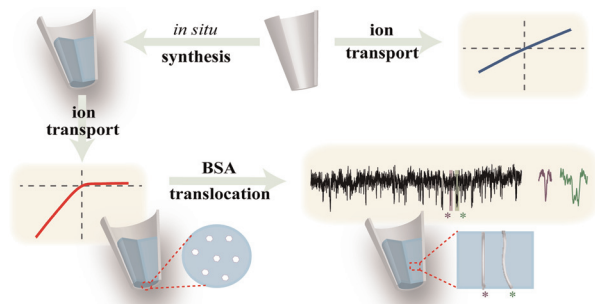
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Visible light-driven photocatalytic thiol-ene/yn reactions using anisotropic 1D Bi₂S₃ nanorods: a green synthetic approach

Haider Ali, Bhagirath Mahto, Ashok Barhoi and Sahid Hussain*

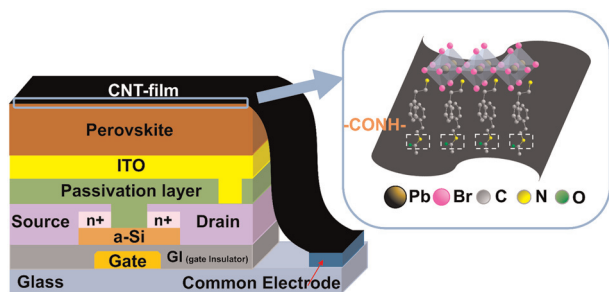
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Rui Zhang, Qiang Zeng,* Xuye Liu and Lishi Wang*

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An interfacial toughening strategy for high stability 2D/3D perovskite X-ray detectors with a carbon nanotube thin film electrode

Liwen Qiu, Mingqiang Wang, Tian Sun, Qiang Lou, Tong Chen, Guoshen Yang, Wei Qian, Zixuan Zhang, Shihe Yang, Min Zhang, Yufeng Jin and Hang Zhou*

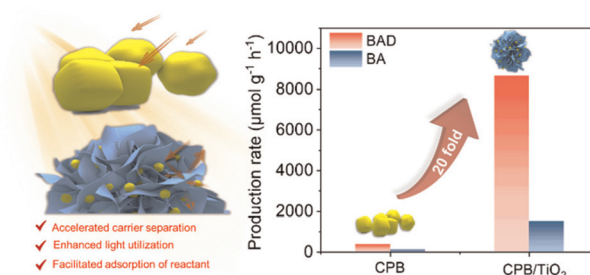


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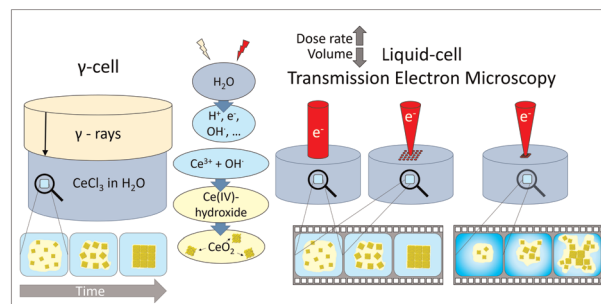
Jiayu Yi, Sunzai Ke, Suwei Lu, Bo Weng, Lijuan Shen, Xuhui Yang, Hun Xue, Min-Quan Yang* and Qingrong Qian*



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Non-classical crystallization of CeO₂ by means of *in situ* electron microscopy

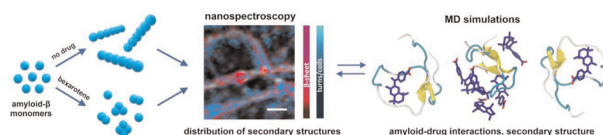
Hannes Zschiesche,* Inna L. Soroka, Mats Jonsson and Nadezda V. Tarakina*



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Nanoscale insights into the local structural rearrangements of amyloid-β induced by bexarotene

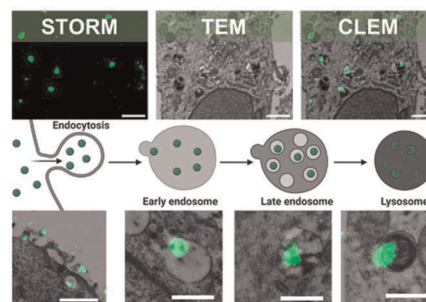
Kamila Sofińska, Piotr Batys, Adrian Cernescu, Dhiman Ghosh, Katarzyna Skirlińska-Nosek, Jakub Barbasz, Sara Seweryn, Natalia Wilkosz, Roland Riek, Marek Szymoński and Ewelina Lipiec*



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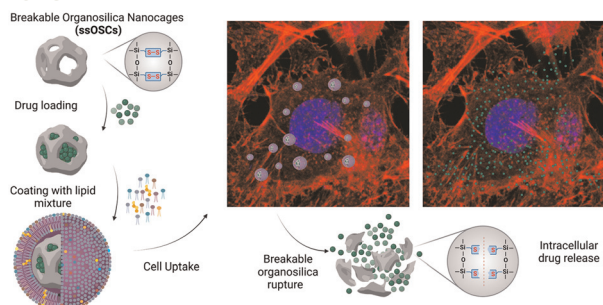
A super-resolution and transmission electron microscopy correlative approach to study intracellular trafficking of nanoparticles

Teodora Andrian, Yolanda Muela, Lidia Delgado, Lorenzo Albertazzi* and Silvia Pujals*



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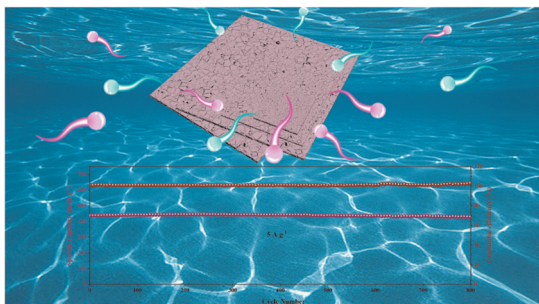
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Cargo-loaded lipid-shielded breakable organosilica nanocages for enhanced drug delivery

María Sancho-Albero, Giada Rosso, Luisa De Cola* and Valentina Cauda*

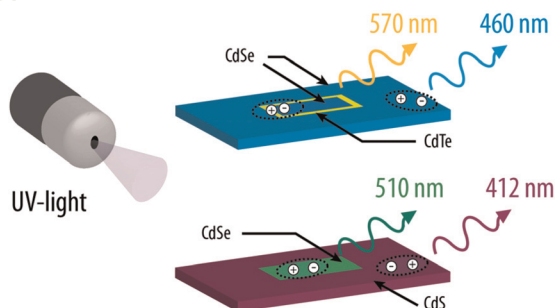
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In situ Cu doping of ultralarge CoSe nanosheets with accelerated electronic migration for superior sodium-ion storage

Jitao Geng, Huilong Dong, Jing Liu, Chengkui Lv, Huaixin Wei, Yafei Cheng,* Jun Yang* and Hongbo Geng*

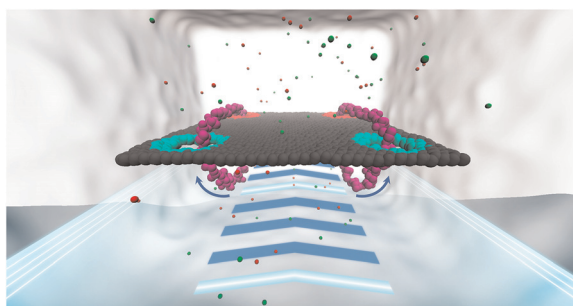
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Expanding the color palette of bicolor-emitting nanocrystals

Corentin Dabard, Hong Po, Ningyuan Fu, Lina Makke, Henri Lehouelleur, Leonardo Curti, Xiang Zhen Xu, Emmanuel Lhuillier, Benjamin T. Diroll and Sandrine Ithurria*

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Nanopore actuation of a DNA-tracked nanovehicle

Wei Si,* Xiaojing Lin, Liwei Wang, Gensheng Wu, Yin Zhang, Yunfei Chen and Jingjie Sha*

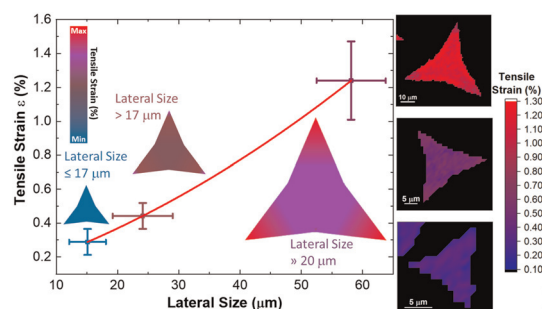


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Built-in tensile strain dependence on the lateral size of monolayer MoS₂ synthesized by liquid precursor chemical vapor deposition

L. Seravalli, F. Esposito, M. Bosi, L. Aversa, G. Trevisi, R. Verucchi, L. Lazzarini, F. Rossi and F. Fabbri*



CORRECTIONS

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Correction: Ion and water adsorption to graphene and graphene oxide surfaces

Amanda J. Carr,* Seung Eun Lee and Ahmet Uysal

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Correction: *In situ* observation of the on-surface thermal dehydrogenation of *n*-octane on Pt(111)

Daniel Arribas, Víctor Villalobos-Vilda, Ezequiel Tosi, Paolo Lacovig, Alessandro Baraldi, Luca Bignardi, Silvano Lizzit, José Ignacio Martínez, Pedro Luis de Andres, Alejandro Gutiérrez, José Ángel Martín-Gago and Pablo Merino*

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Correction: Probing antiferromagnetism in exfoliated Fe₃GeTe₂ using magneto-transport measurements

Stasiu T. Chyczewski,* Ji Shi, Hanwool Lee, Paolo F. Ferrari, Kai Xu, Arend M. van der Zande and Wenjuan Zhu*

