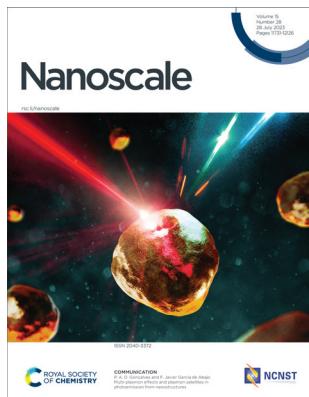


IN THIS ISSUE

ISSN 2040-3372 CODEN NANOHL 15(28) 11731–12126 (2023)



Cover

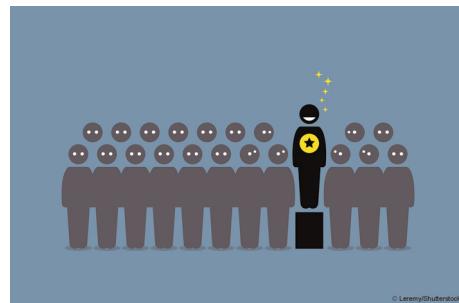
See P. A. D. Gonçalves and F. Javier García de Abajo, pp. 11852–11859.

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EDITORIAL

11744

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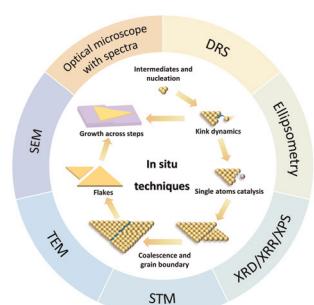


REVIEWS

11746

Progress on the *in situ* imaging of growth dynamics of two-dimensional materials

Xiaokai Zhu, Honggang Wang, Kangkang Wang and Liming Xie*



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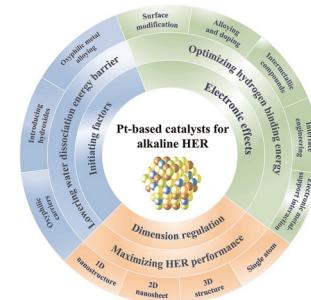


REVIEWS

11759

Advanced Pt-based electrocatalysts for the hydrogen evolution reaction in alkaline medium

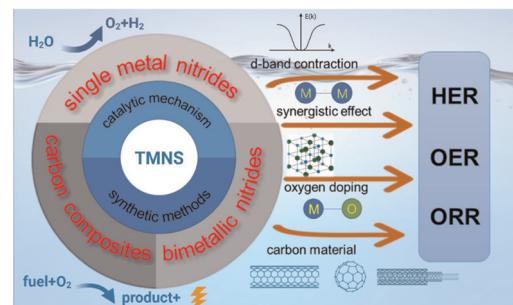
Wei Ma, Xueyuan Zhang, Wenyi Li, Menggai Jiao,* Lili Zhang,* Renzhi Ma and Zhen Zhou



11777

Recent progress in the synthesis of transition metal nitride catalysts and their applications in electrocatalysis

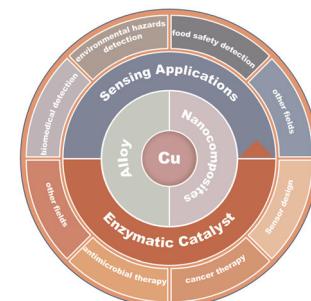
Zheng-Gang Yang, Hui-Min Xu, Ting-Yu Shuai, Qi-Ni Zhan, Zhi-Jie Zhang, Ke Huang, Chunlong Dai and Gao-Ren Li*



11801

Copper-based biological alloys and nanocomposites for enzymatic catalysis and sensing applications

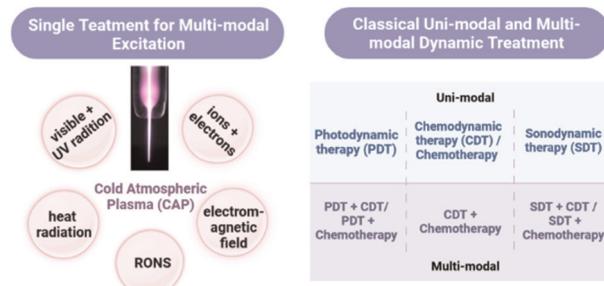
Yaoyang Pu, Shiyue Chen, Yujun Yang* and Xiang Mao*



11813

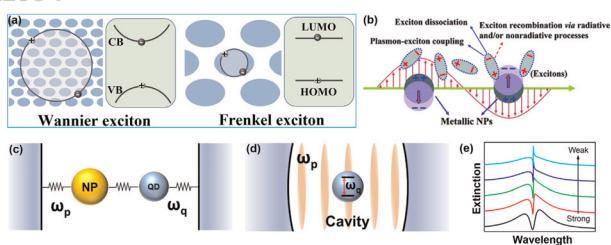
A review on reactive oxygen species (ROS)-inducing nanoparticles activated by uni- or multi-modal dynamic treatment for oncotherapy

Jinyong Lin, Dong Li, Changhong Li, Ziqi Zhuang, Chengchao Chu, Kostya (Ken) Ostrikov, Erik W. Thompson, Gang Liu and Peiyu Wang*



MINIREVIEW

11834

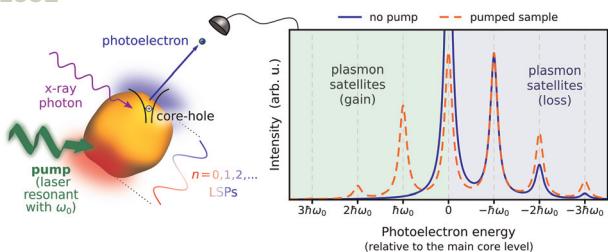


Plexcitonics: plasmon–exciton coupling for enhancing spectroscopy, optical chirality, and nonlinearity

Yichuan Chen and Mengtao Sun*

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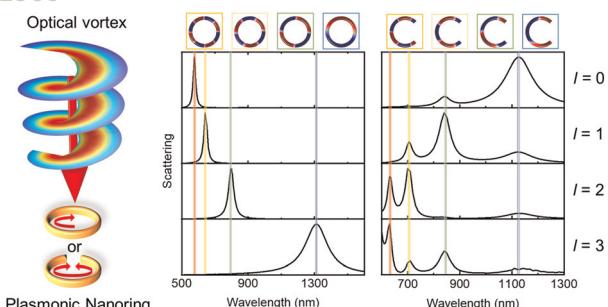
11852



Multi-plasmon effects and plasmon satellites in photoemission from nanostructures

P. A. D. Gonçalves and F. Javier García de Abajo*

11860

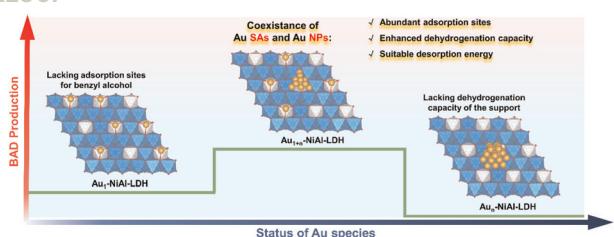


Selective high-order resonance in asymmetric plasmonic nanostructures stimulated by vortex beams

Da-Jie Yang* and Ji-Cai Liu*

PAPERS

11867



Coexistence of Au single atoms and Au nanoparticles on NiAl-LDH for selective electrooxidation of benzyl alcohol to benzaldehyde

Ziheng Song, Tianyang Shen, Yihang Hu, Guihao Liu, Sha Bai, Xiaoliang Sun, Si-Min Xu and Yu-Fei Song*

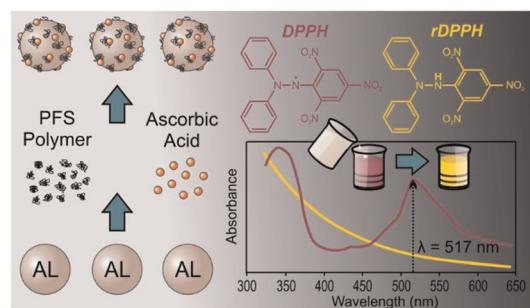


PAPERS

11875

Dual functionality of ferrocene-based metallocopolymers as radical scavengers and nanoparticle stabilizing agents

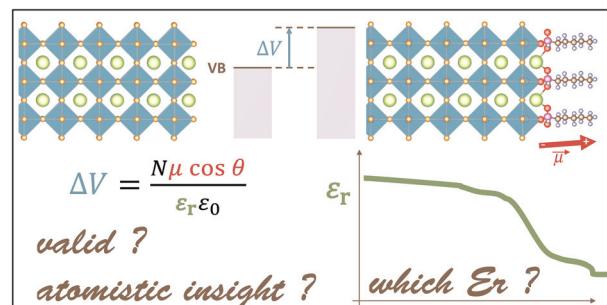
Nizar B. Alsharif, Tibor Gergo Halmágyi, Mark A. Hempenius, G. Julius Vancso, Corinne Nardin and Istvan Szilagy*[†]



11884

Interfacial engineering to modulate surface dipoles, work functions and dielectric confinement of halide perovskites

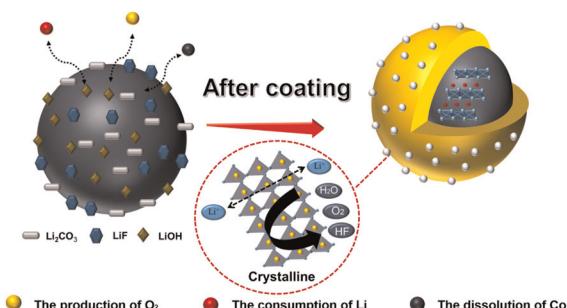
Pooja Basera, Boubacar Traoré, Jacky Even* and Claudine Katan*



11898

LiCoO₂ cathode surface modification with optimally structured Li₃PO₄ for outstanding high-voltage cycling performance

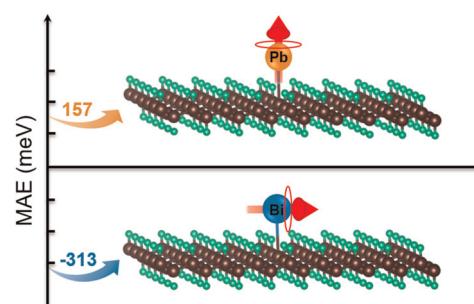
Yuxuan Ji, Jian Wei,* Di Liang, Bing Chen, Xueting Li, Hao Zhang and Zongyou Yin*



11909

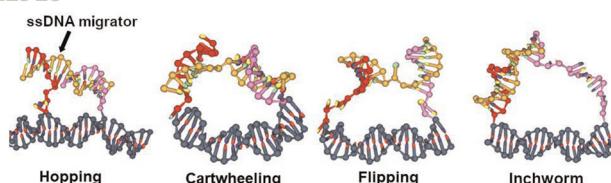
Giant magnetic anisotropy of adatoms on the graphane surface

Kuan-Rong Hao, Yang Song and Lizhi Zhang*



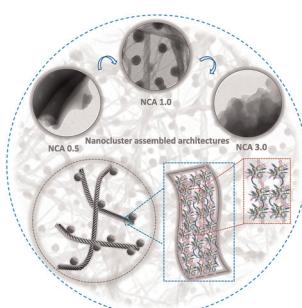
PAPERS

11915


Exhaustive classification and systematic free-energy profile study of single-stranded DNA inter-overhang migration

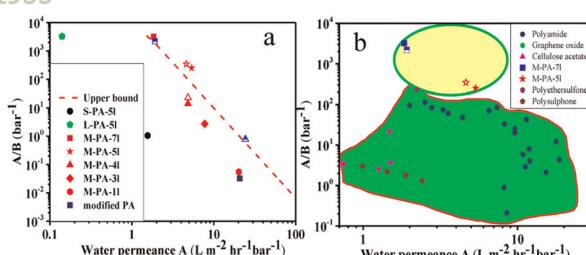
Hon Lin Too and Zhisong Wang*

11927


Secondary ligand-induced orthogonal self-assembly of silver nanoclusters into superstructures with enhanced NIR emission

Korath Shivan Sugi, Amritha P. Sandra, Nonappa, Debasmita Ghosh, Jyoti Sarita Mohanty, Murugesan Paulthangam Kannan, B. S. Sooraj, Pillalamarri Srikrishnarka, Jayoti Roy, Wakeel Ahmed Dar and Thalappil Pradeep*

11935

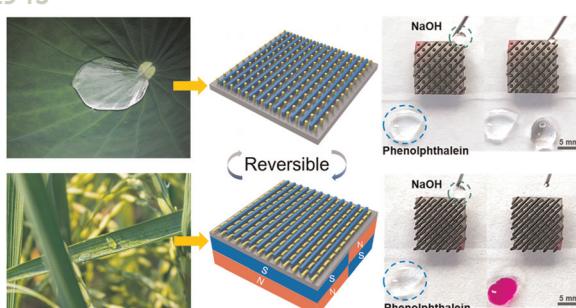


a) Correlation between water perm-selectivity, A/B , and water permeance, A and
b) Novelty of the membranes.

Enhanced efficiency of water desalination in nanostructured thin-film membranes with polymer grafted nanoparticles

Aparna Swain, S. Adarsh, Ashish Biswas, Suryasarathi Bose, Brian C. Benicewicz, Sanat K. Kumar and J. K. Basu*

11945


Bioinspired magnetism-responsive hybrid microstructures with dynamic switching toward liquid droplet rolling states

Yucheng Bian, Suwan Zhu, Xin Li,* Yuan Tao, Chenyu Nian, Chenchu Zhang, Yubin Peng, Chuanzong Li, Wei Xiong, Wulin Zhu, Yanlei Hu, Jiawen Li, Jiaru Chu and Dong Wu*

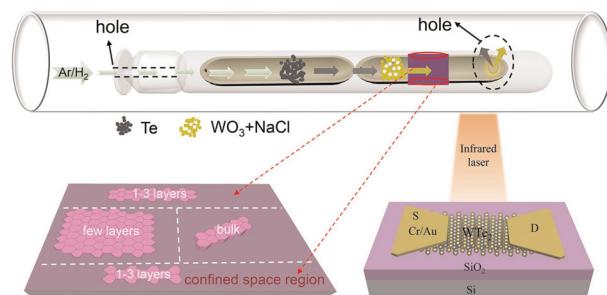


PAPERS

11955

Growth of few-layer WTe₂ by a salt-assisted double-tube chemical vapor deposition method with high infrared photosensitivity

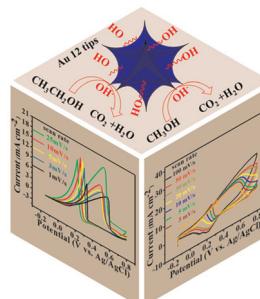
Zhengui Zhao, Fangfei Dong, Yuyan Wang,* Jiacheng Sun, Huanyu Ye, Rongming Wang and Junying Zhang*



11963

A high-index facet gold 12 tip nanostar for an improved electrocatalytic alcohol oxidation reaction with superior CO tolerance

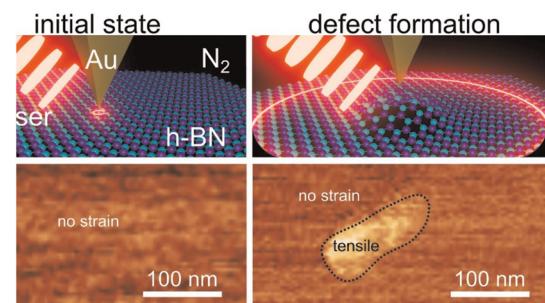
Sanjeevan Rajagopal, Suresh Thangudu and Kuo Chu Hwang*



11972

Locally strained hexagonal boron nitride nanosheets quantified by nanoscale infrared spectroscopy

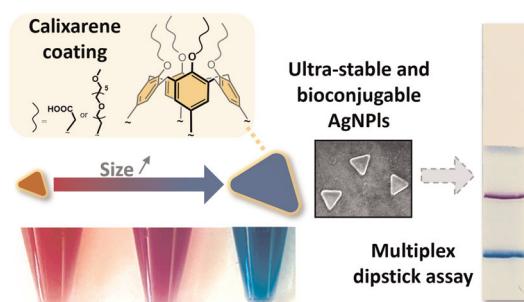
Fernand E. Torres-Davila, Chance Barrett, Michael Molinari, Muhammad Sajid, Ari P. Seitsonen, Abdelkader Kara* and Laurene Tetard*



11981

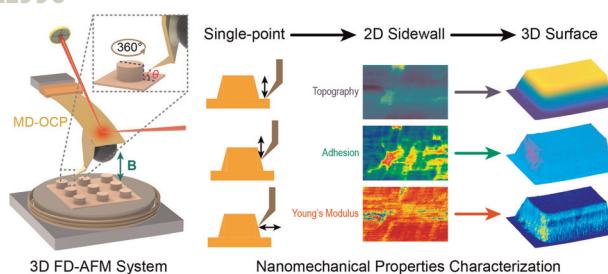
Ultra-stable silver nanotriangles: efficient and versatile colorimetric reporters for dipstick assays

Maurice Retout, Bryan Gosselin, Amina Adrović, Pascale Blond, Ivan Jabin* and Gilles Bruylants*



PAPERS

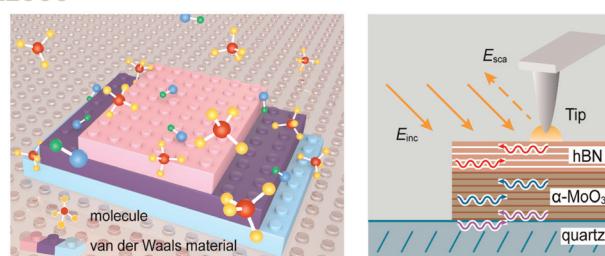
11990



A 3D surface nanomechanical property mapping method with a magnetic-drive orthogonal cantilever probe

Junyuan Geng, Hao Zhang,* Xianghe Meng and Hui Xie*

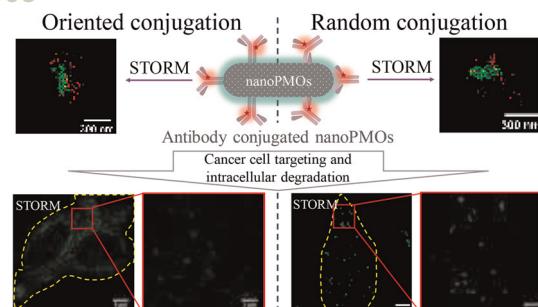
12000



Phonon polaritons in van der Waals polar heterostructures for broadband strong light–matter interactions

Tianwei Qin, Weiliang Ma, Tao Wang* and Peining Li*

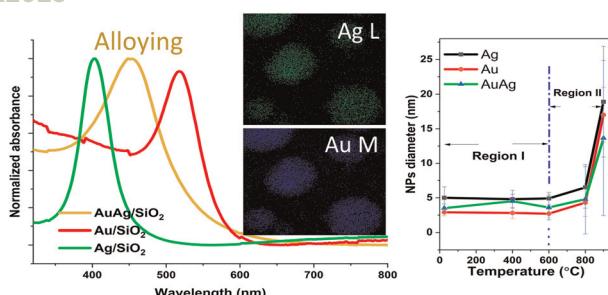
12008



Super-resolution imaging of antibody-conjugated biodegradable periodic mesoporous organosilica nanoparticles for targeted chemotherapy of prostate cancer

Pradip Das,* Silvia Pujals,* Lamiaa M. A. Ali, Magali Gary-Bobo, Lorenzo Albertazzi and Jean-Olivier Durand

12025



Investigating the thermal stability of ultra-small Ag, Au and AuAg alloy nanoparticles embedded in a silica matrix

Hemant Jatav, Maja Mićetic, Anusmita Chakravorty, Ambuj Mishra, Matthias Schwartzkopf, Andrei Chumakov, Stephan V. Roth and Debdulal Kabiraj*

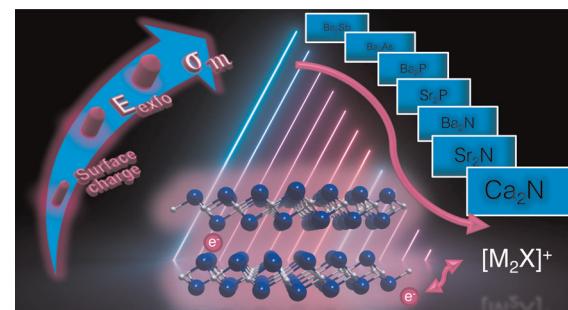


PAPERS

12038

Periodic trends in the structural, electronic, and transport properties of electrenes

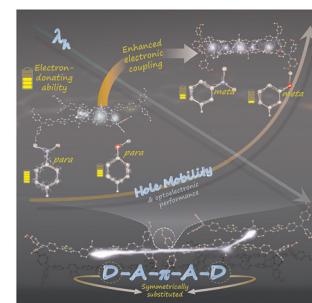
Mohammad Rafiee Diznab, Erin R. Johnson* and Jesse Maassen*



12048

Modifying a D-A- π -A-D HTM system for higher hole mobility by the *meta*-substitution strategy to weaken the electron-donating ability of the donor unit: a DFT study

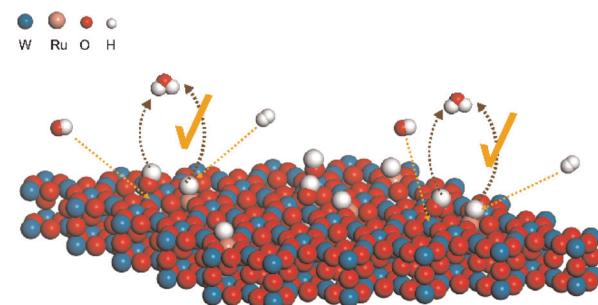
Ke-Li Wang, Qun-Gui Wang, Cui-E Hu,* Yan Cheng,* Guang-Fu Ji and Xiang-Rong Chen



12064

Ru-doped WO_3 enabling efficient hydrogen oxidation reaction in alkaline media

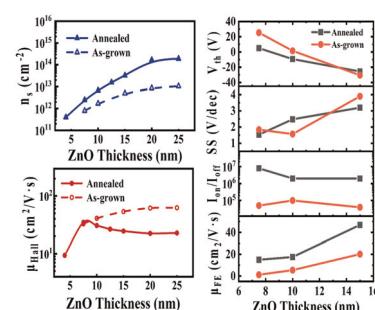
Hai Liu, Zhuang Zhang, Mengxuan Li, Yaping Li,* Yun Kuang and Xiaoming Sun*



12071

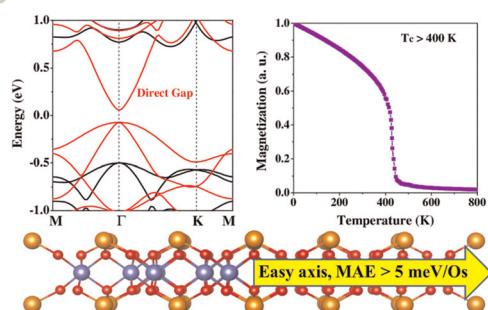
Carrier tuning of 2D electron gas in field-effect devices based on $\text{Al}_2\text{O}_3/\text{ZnO}$ heterostructures

Xinyi Zhu, Tianbao Zhang, Yongjie He, Yuhang Liu* and Hao Zhu*



PAPERS

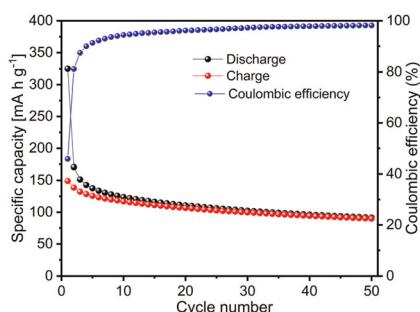
12078



Two-dimensional ferromagnetic semiconductors of monolayer BiXO_3 ($\text{X} = \text{Ru, Os}$) with direct band gaps, high Curie temperatures, and large magnetic anisotropy

Hongbo Wu, Fengxian Ma, Zhixue Tian, Ying Liu, Yalong Jiao* and Aijun Du

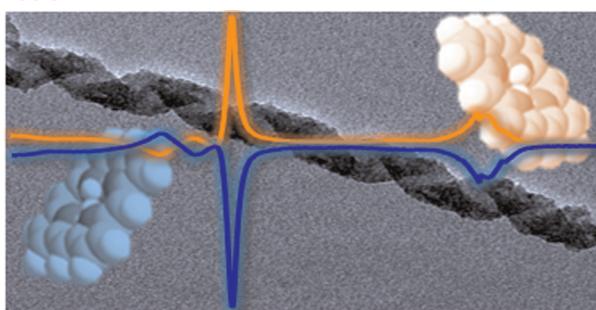
12087



An ionic liquid synthesis route for mixed-phase sodium titanate ($\text{Na}_2\text{Ti}_3\text{O}_7$ and $\text{Na}_2\text{Ti}_6\text{O}_{13}$) rods as an anode for sodium-ion batteries

Pooja Kumari, Yining Li and Rebecca Boston*

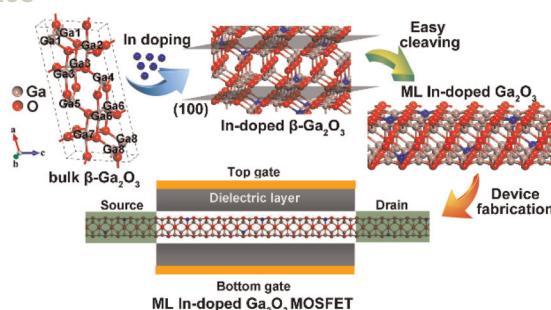
12095



Induced circular dichroism from helicoidal nano substrates to porphyrins: the role of chiral self-assembly

Gautier Duroux, Lucas Robin, Peizhao Liu, Emilie Dols, Matheus De Souza Lima Mendes, Sonia Buffière, Elodie Pardieu, Antoine Scalabre, Thierry Buffeteau, Sylvain Nlata, Reiko Oda, Maria Sara Raju, Matteo Atzori, Cyrille Train, Geert L. J. A. Rikken, Patrick Rosa, Elizabeth A. Hillard* and Emilie Pouget*

12105



Indium doping-assisted monolayer Ga_2O_3 exfoliation for performance-enhanced MOSFETs

Penghui Li, Linpeng Dong,* Chong Li, Bin Lu, Chen Yang, Bo Peng, Wei Wang, Yuanhao Miao* and Weiguo Liu

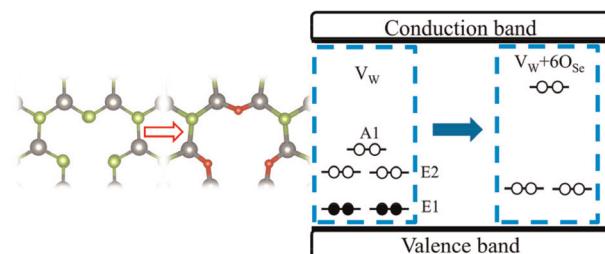


PAPERS

12116

Origin of p-type conductivity in a WSe_2 monolayer

Yu-Zhou Zhang, Guo-Jun Zhu and Ji-Hui Yang*



CORRECTIONS

12123

Correction: Secondary ligand-induced orthogonal self-assembly of silver nanoclusters into superstructures with enhanced NIR emission

Korath Shivan Sugi, Amritha P. Sandra, Nonappa, Debasmita Ghosh, Jyoti Sarita Mohanty, Murugesan Paulthangam Kannan, B. S. Sooraj, Pillalamarri Srikrishnarka, Jayoti Roy, Wakeel Ahmed Dar and Thalappil Pradeep*

12124

Correction: Label free localization of nanoparticles in live cancer cells using spectroscopic microscopy

Graham L. C. Spicer, Luay Almassalha, Ignacio A. Martinez, Ronald Ellis, John E. Chandler, Scott Gladstein, Di Zhang, The-Quyen Nguyen, Seth Feder, Hariharan Subramanian, Roberto de la Rica, Sebastian A. Thompson* and Vadim Backman*

