

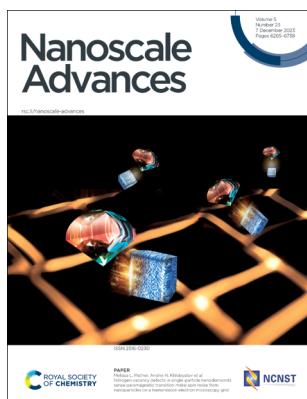
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IN THIS ISSUE

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Cover

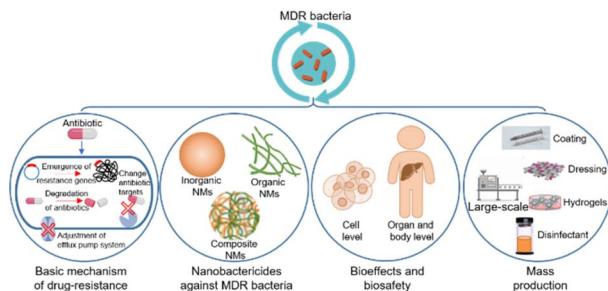
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REVIEWS

6278

Recent advances in nanoantibiotics against multidrug-resistant bacteria

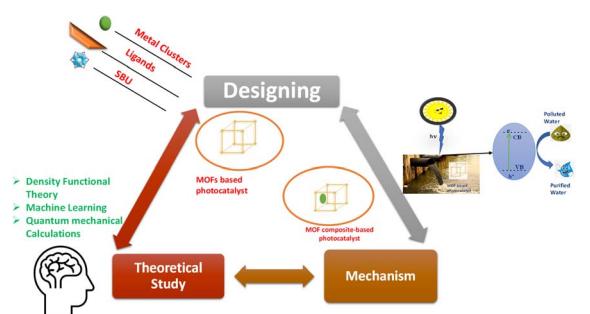
Mulan Li, Ying Liu, Youhuan Gong, Xiaojie Yan, Le Wang,*
Wenfu Zheng,* Hao Ai* and Yuliang Zhao*



6318

A review of metal–organic framework (MOF) materials as an effective photocatalyst for degradation of organic pollutants

M. Shahnawaz Khan, Yixiang Li, Dong-Sheng Li,
Jianbei Qiu, Xuhui Xu and Hui Ying Yang*



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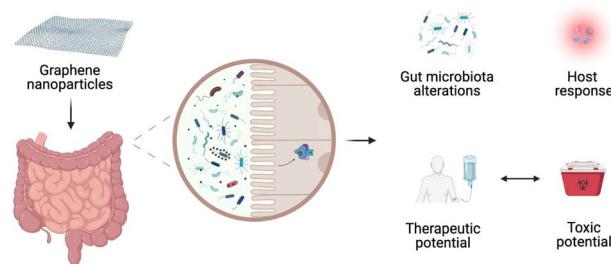
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REVIEWS

6349

The gut microbiome meets nanomaterials: exposure and interplay with graphene nanoparticles

Olga Wojciechowska, Adele Costabile and Małgorzata Kujawska*

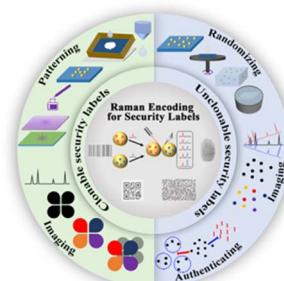


MINIREVIEWS

6365

Raman encoding for security labels: a review

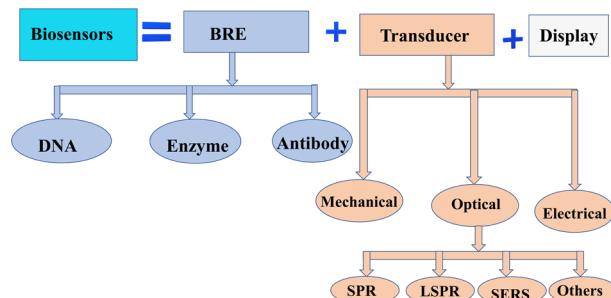
Dong Yu, Wei Zhu* and Ai-Guo Shen*



6382

A review on hybridization of plasmonic and photonic crystal biosensors for effective cancer cell diagnosis

Alemayehu Getahun Kumela,* Abebe Belay Gemta,* Alemu Kebede Hordofa, Ruth Birhanu, Habtamu Dagnaw Mekonnen, Umer Sherefedin and Kinfe Weldegiorgis

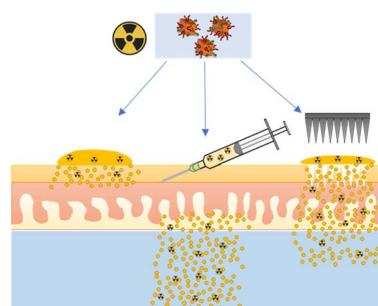


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6400

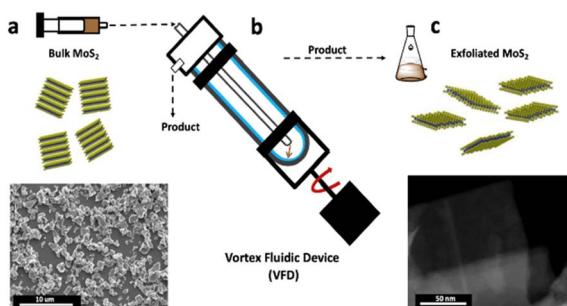
Ex vivo transdermal delivery of ^{3}H -labelled atovaquone solid drug nanoparticles: a comparison of topical, intradermal injection and microneedle assisted administration

Sam Morris, Mark Long, Alison Savage, Andrew Owen, Steve Rannard and Helen Cauldbeck*



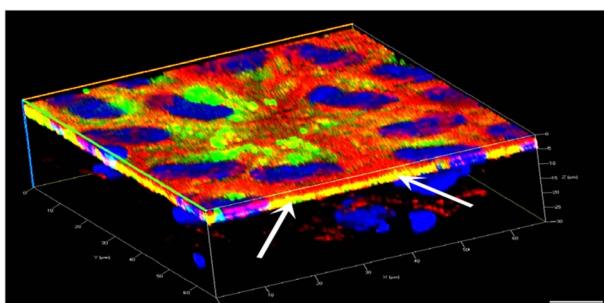
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High conversion continuous flow exfoliation of 2D MoS₂

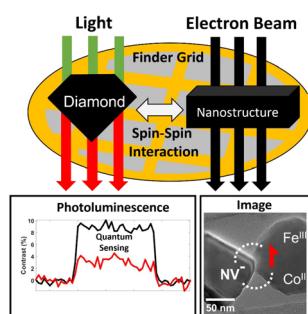
Thaar M. D. Alharbi and Colin L. Raston*

6410



PAPERS

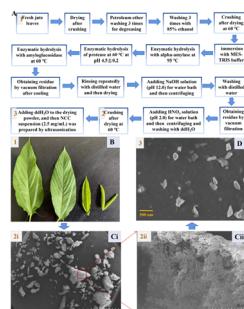
6423



Nitrogen vacancy defects in single-particle nanodiamonds sense paramagnetic transition metal spin noise from nanoparticles on a transmission electron microscopy grid

Bradley T. Flinn, Valentin Radu, Michael W. Fay, Ashley J. Tyler, Jem Pitcairn, Matthew J. Cliffe, Benjamin L. Weare, Craig T. Stoppiello, Melissa L. Mather* and Andrei N. Khlobystov*

6435

Dual roles of nanocrystalline cellulose extracted from jute (*Corchorus olitorius* L.) leaves in resisting antibiotics and protecting probiotics

Yanchun Deng, Jiangpeng Pan, Xiai Yang, Sa Yang, Haiyang Chi, Xiushi Yang, Xiaoxin Qu, Shitao Sun, Linfeng You* and Chunsheng Hou*

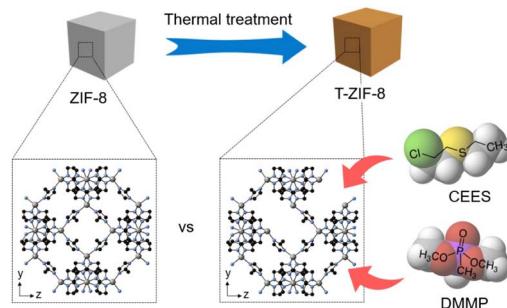


PAPERS

6449

Boosted ability of ZIF-8 for early-stage adsorption and degradation of chemical warfare agent simulants

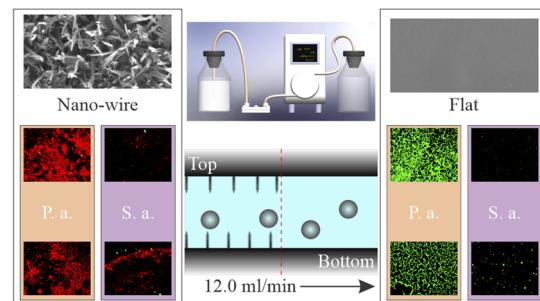
Sojin Oh, Sujeong Lee, Gihyun Lee and Moonhyun Oh*



6458

Preferential adhesion of bacterial cells onto top- and bottom-mounted nanostructured surfaces under flow conditions

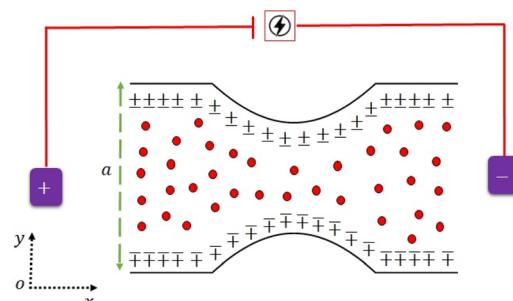
S. W. M. A. Ishantha Senevirathne,* Asha Mathew, Yi-Chin Toh and Prasad K. D. V. Yarlagadda



6473

Rheological study of Hall current and slip boundary conditions on fluid–nanoparticle phases in a convergent channel

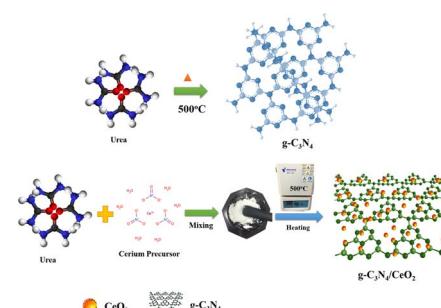
Mubbashar Nazeer, M. Ijaz Khan,* Sherzod Abdullaev, Fuad A. Awwad and Emad A. A. Ismail



6489

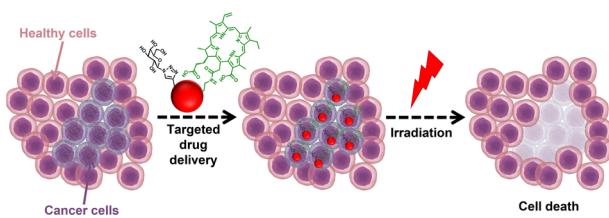
Enriched photocatalytic and photoelectrochemical activities of a 2D/0D $\text{g-C}_3\text{N}_4/\text{CeO}_2$ nanostructure

Ramaraghavulu Rajavaram, S. V. Prabhakar Vattikuti,* Jaesool Shim,* Xinghui Liu, Nguyen To Hoai* and Nam Nguyen Dang



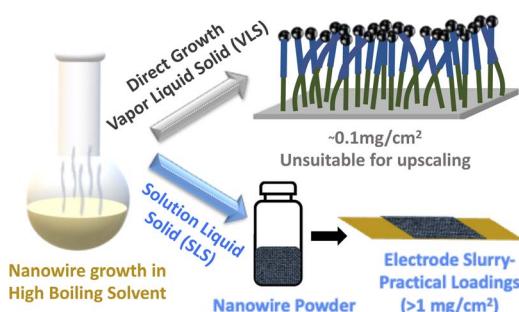
PAPERS

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Targeted photodynamic therapy for breast cancer: the potential of glyconanoparticles

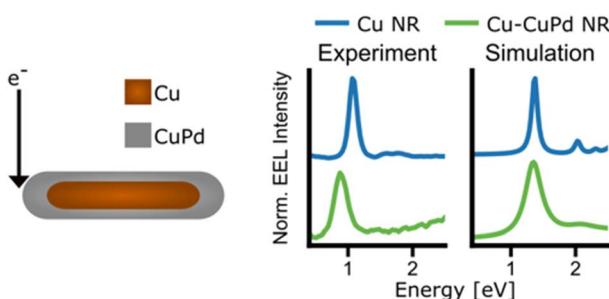
Brydie A. Thomas-Moore, Simone Dedola, David A. Russell, Robert A. Field and María J. Marín*

6514


Solution processable Si/Ge heterostructure NWs enabling anode mass reduction for practical full-cell Li-ion batteries

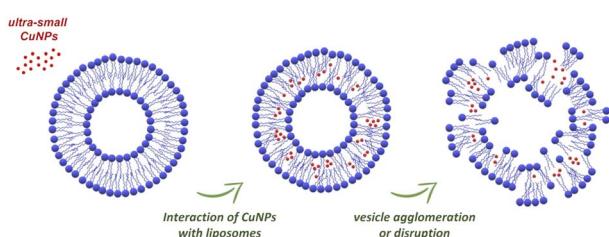
Temilade Esther Adegoke, Syed Abdul Ahad, Ursel Bangert, Hugh Geaney* and Kevin M. Ryan*

6524


Bimetallic copper palladium nanorods: plasmonic properties and palladium content effects

Andrey Ten, Claire A. West, Soojin Jeong, Elizabeth R. Hopper, Yi Wang, Baixu Zhu, Quentin M. Ramasse, Xingchen Ye* and Emilie Ringe*

6533


Analytical probing of membranotropic effects of antimicrobial copper nanoparticles on lipid vesicles as membrane models

Margherita Izzi, Miquel Oliver, Helena Mateos, Gerardo Palazzo, Nicola Cioffi* and Manuel Miró*

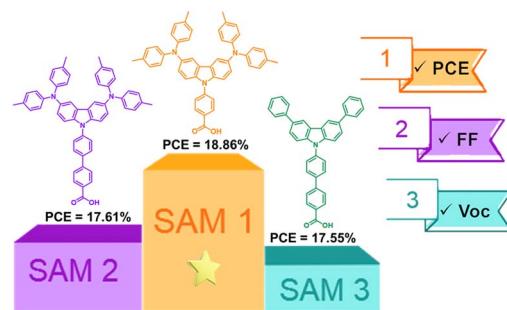


PAPERS

6542

Influence of the carbazole moiety in self-assembling molecules as selective contacts in perovskite solar cells: interfacial charge transfer kinetics and solar-to-energy efficiency effects

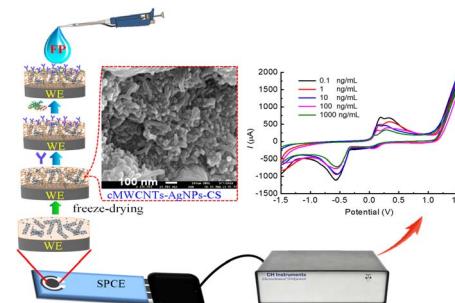
Dora A. González, Carlos E. Puerto Galvis, Wenhui Li, María Méndez, Ece Aktas, Eugenia Martínez-Ferrero and Emilio Palomares*



6548

An electrochemical immunosensor based on a carboxylated multiwalled carbon nanotube-silver nanoparticle-chitosan functional layer for the detection of fipronil

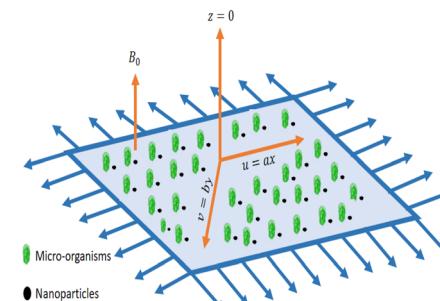
Wen-Chien Huang,* You-Ning Hsiung and Chia-Ling Li



6560

Interaction of gyrotactic moment of microorganisms and nanoparticles for magnetized and chemically reactive shear-thinning fluid with stratification phenomenon

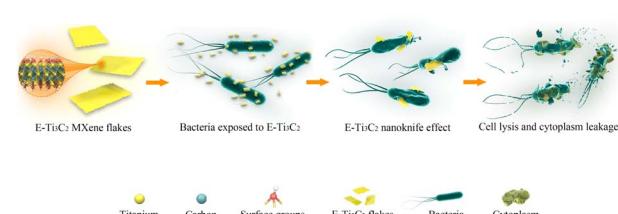
Zubair Hussain, Waqar Azeem Khan, M. Irfan, Taseer Muhammad, Sayed M. Eldin, M. Waqas and P. V. Satya Narayana*



6572

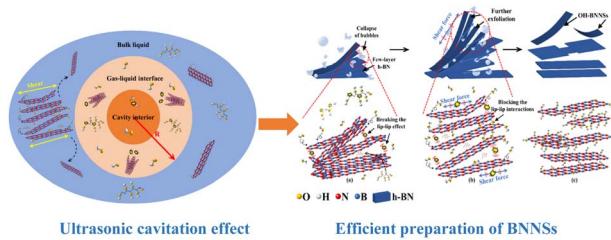
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Yuchen Liu, Xing Chen, Jiazhong Sun, Nuo Xu, Qi Tang, Jie Ren, Cheng Chen,* Weiwei Lei,* Chao Zhang and Dan Liu*



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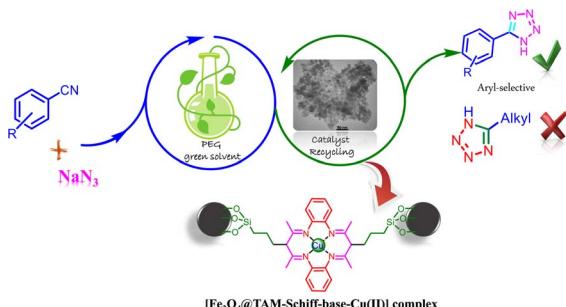
6582



Preparation of boron nitride nanosheets by glucose-assisted ultrasonic cavitation exfoliation

Lian Zhou, Bo Zhang, Fuzhu Li,* Ying Yan, Yun Wang and Ruitao Li

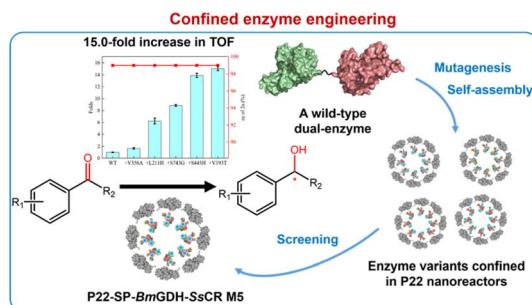
6594



Nanomagnetic tetraaza (N₄ donor) macrocyclic Schiff base complex of copper(II): synthesis, characterizations, and its catalytic application in Click reactions

Masoomeh Norouzi,* Nasim Noormoradi and Masoud Mohammadi

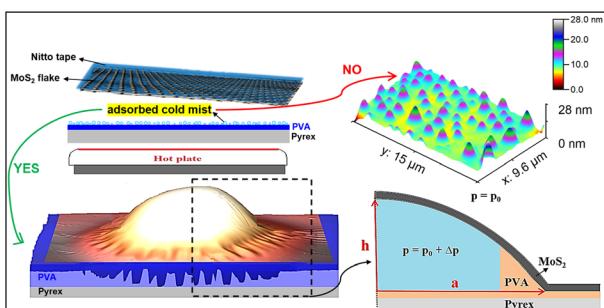
6606



Protein engineering of multi-enzyme virus-like particle nanoreactors for enhanced chiral alcohol synthesis

Taotao Feng, Jiaxu Liu, Xiaoyan Zhang, Daidi Fan and Yunpeng Bai*

6617



Viscous fingering instabilities in spontaneously formed blisters of MoS₂ multilayers

Mukesh Pandey, Rajeev Ahuja* and Rakesh Kumar*

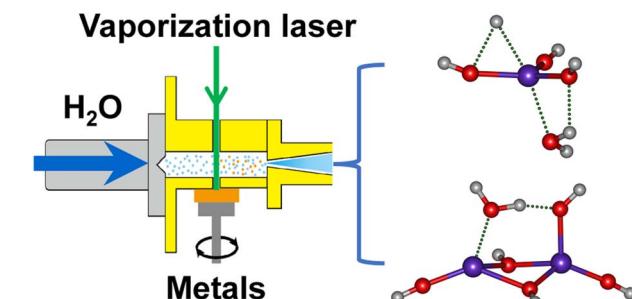


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6626

Infrared spectroscopic study of solvation and size effects on reactions between water molecules and neutral rare-earth metals

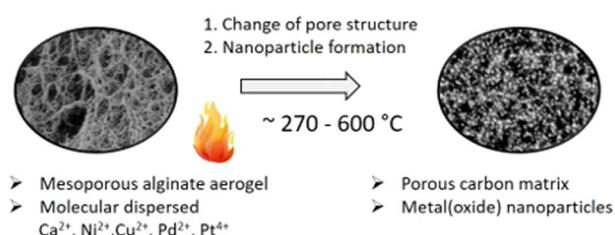
Tiantong Wang, Shangdong Li, Wenhui Yan, Shuai Jiang, Hua Xie, Gang Li* and Ling Jiang*



6635

A greener approach for synthesizing metal-decorated carbogels from alginate for emerging technologies

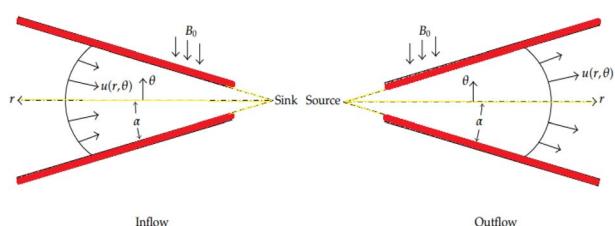
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6647

Numerical study of thermal and solutal advancements in ZnO–SAE50 nanolubricant flow past a convergent/divergent channel with the effects of thermophoretic particle deposition

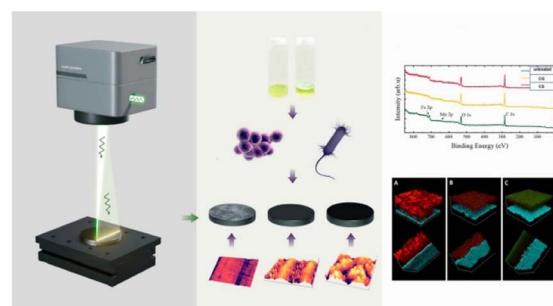
Shilpa B., Pudhari Srilatha, Umair Khan,* Naveen Kumar R., Samia Ben Ahmed and Raman Kumar



6659

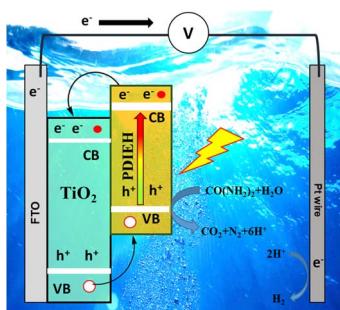
Femtosecond laser modified metal surfaces alter biofilm architecture and reduce bacterial biofilm formation

Iaroslav Gnilitskyi,* Svitlana Rymar, Olga Iungin, Oleksiy Vyhnevskyy, Pietro Parisse, Geert Potters, Anatoly V. Zayats* and Olena Moshynets*



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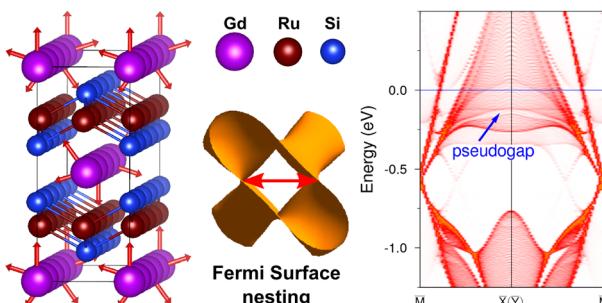
6670



A TiO_2 nanorod and perylene diimide based inorganic/organic nanoheterostructure photoanode for photoelectrochemical urea oxidation

Jasmine Bezboruah, Devendra Mayurdhwaj Sanke, Ajay Vinayakrao Munde, Palak Trilochand Bhattacharjee, Himadri Shekhar Karmakar and Sanjio S. Zade*

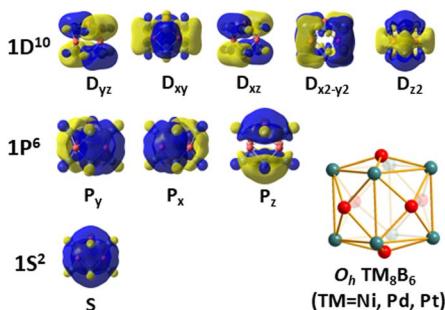
6678



Insight into the electronic structure of the centrosymmetric skyrmion magnet GdRu_2Si_2

S. V. Eremeev,* D. Glazkova, G. Poelchen, A. Kraiker, K. Ali, A. V. Tarasov, S. Schulz, K. Kliemt, E. V. Chulkov, V. S. Stolyarov, A. Ernst, C. Krellner, D. Yu. Usachov and D. V. Vyalikh*

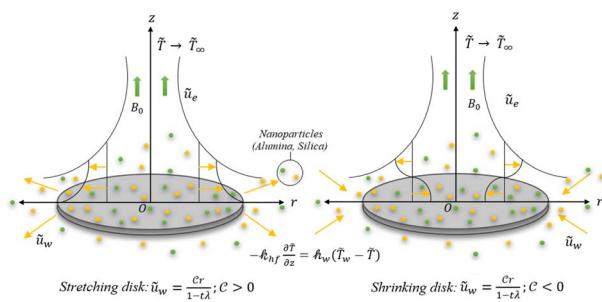
6688



Perfect cubic metallo-borospherenes TM_8B_6 ($\text{TM} = \text{Ni, Pd, Pt}$) as superatoms following the 18-electron rule

Mei-Zhen Ao, Yuan-Yuan Ma, Yue-Wen Mu* and Si-Dian Li*

6695



Exploring dual solutions and thermal conductivity in hybrid nanofluids: a comparative study of Xue and Hamilton–Crosser models

Mahnoor Sarfraz, Muhammad Yasir* and Masood Khan

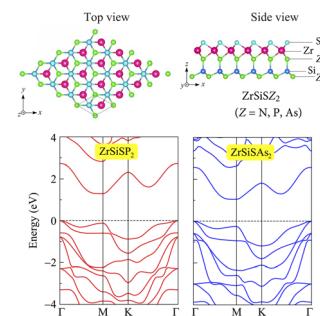


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6705

Crystal lattice and electronic and transport properties of Janus $ZrSiS_2$ ($Z = N, P, As$) monolayers by first-principles investigations

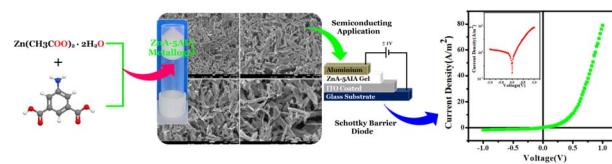
Nguyen P. Q. Anh, Nguyen T. Hiep, D. V. Lu, Cuong Q. Nguyen, Nguyen N. Hieu and Vo T. T. Vi*



6714

A 5-aminoisophthalic acid low molecular weight gelator based novel semiconducting supramolecular $Zn^{(II)}$ -metallogel: unlocking an efficient Schottky barrier diode for microelectronics

Subhendu Dhibar,* Baishakhi Pal, Kripasindhu Karmakar, Sanjay Roy, Sk Abdul Hafiz, Arpita Roy, Subham Bhattacharjee, Soumya Jyoti Ray, Partha Pratim Ray* and Bidyut Saha*



6724

Assessing the impact of ultra-thin diamond nanothreads on the glass transition temperature of a bituminous binder

Yingying Pang, Liangfeng Sun, Haifei Zhan,* Xianglong Zheng, Jiandong Zhang, Chengyou Bian and Chaofeng Lü*

