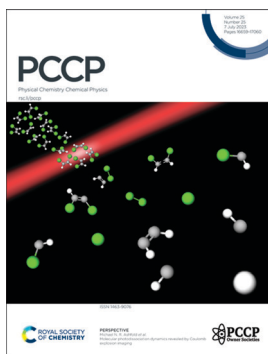


IN THIS ISSUE

ISSN 1463–9076 CODEN PPCPFQ 25(25) 16659–17060 (2023)



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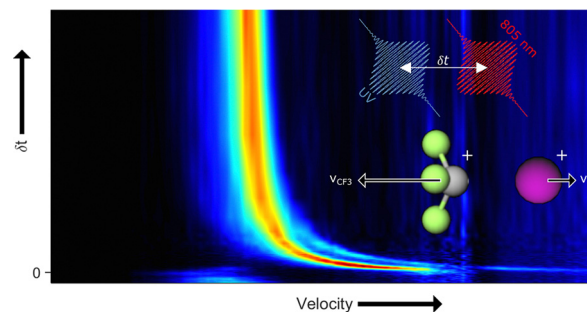
See Michael N. R. Ashfold *et al.*, pp. 16672–16698. Image reproduced by permission of Stuart Crane from *Phys. Chem. Chem. Phys.*, 2023, 25, 16672.

PERSPECTIVE

16672

Molecular photodissociation dynamics revealed by Coulomb explosion imaging

Stuart W. Crane, Jason W. L. Lee, Michael N. R. Ashfold* and Daniel Rolles

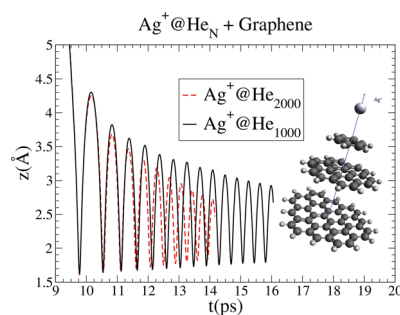


COMMUNICATIONS

16699

Superfluid helium droplet-mediated surface-deposition of neutral and charged silver atomic species

Berta Fernández, Martí Pi and María Pilar de Lara-Castells*



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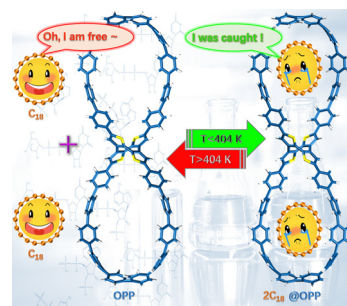


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16707

Molecular assembly with a figure-of-eight nanohoop as a strategy for the collection and stabilization of cyclo[18]carbon

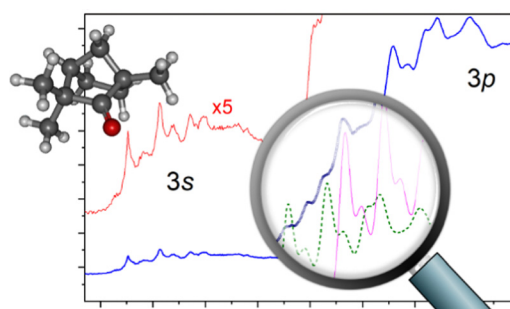
Zeyu Liu,* Xia Wang, Tian Lu,* Jiaojiao Wang, Xiufen Yan, Yang Wu and Jingbo Xu



16712

The Rydberg 3p multiplet structure of the fenchone C band absorption

Ivan Powis* and Dharendra P. Singh

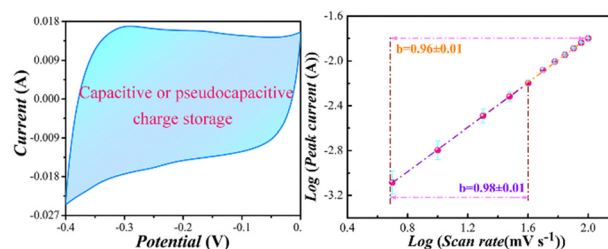


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16718

What about electrochemical behaviors for aurivillius-phase bismuth tungstate? Capacitive or pseudocapacitive

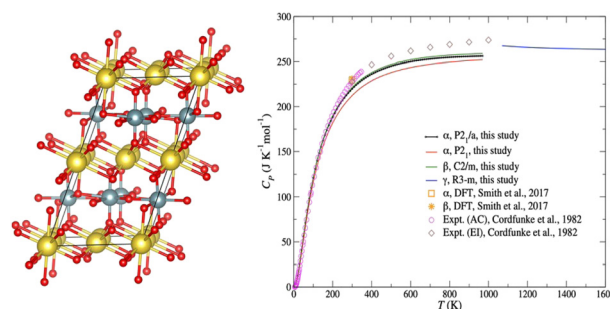
Jian-Fei Gao, Jing-Feng Hou and Ling-Bin Kong*



16727

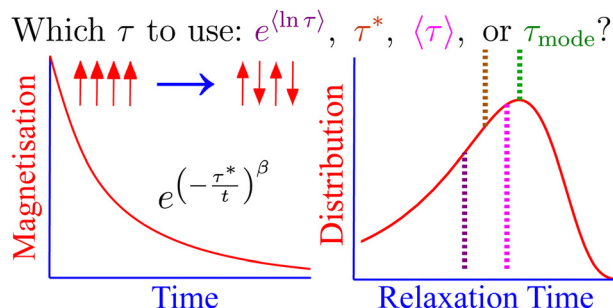
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Philippe F. Weck,* Carlos F. Jové-Colón and Eunja Kim



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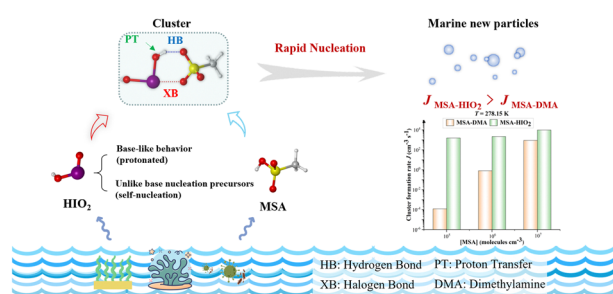
16735



Characterisation of magnetic relaxation on extremely long timescales

William J. A. Blackmore, Gemma K. Gransbury, Peter Evans, Jon G. C. Kragoskow, David P. Mills* and Nicholas F. Chilton*

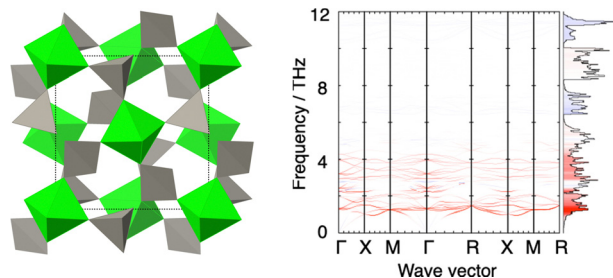
16745



Methanesulfonic acid and iodosic acid nucleation: a novel mechanism for marine aerosols

Nan Wu, An Ning,* Ling Liu, Haotian Zu, Danli Liang and Xiuhui Zhang*

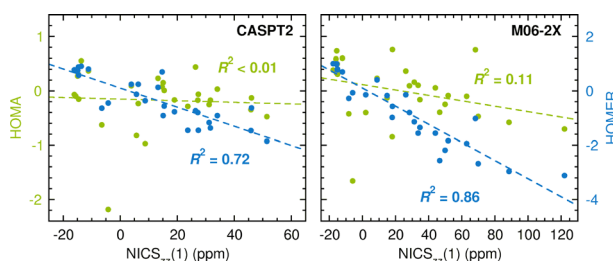
16753



Phonon mechanism for the negative thermal expansion of zirconium tungstate, ZrW₂O₈

Leila H. N. Rimmer, Keith Refson and Martin T. Dove*

16763



HOMER: a reparameterization of the harmonic oscillator model of aromaticity (HOMA) for excited states

Enrique M. Arpa* and Bo Durbej*

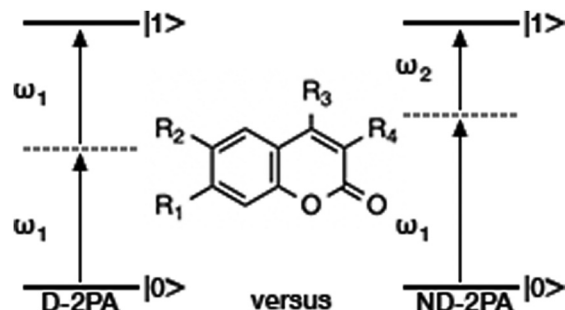


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16772

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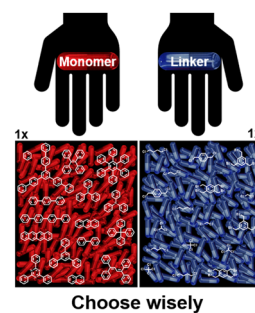
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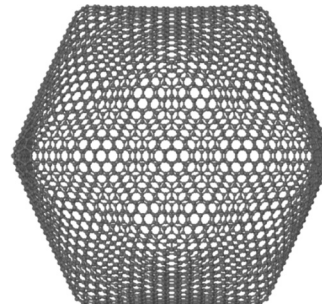
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16790

The largest fullerene

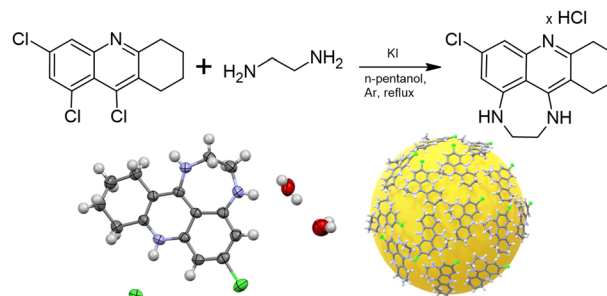
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16796

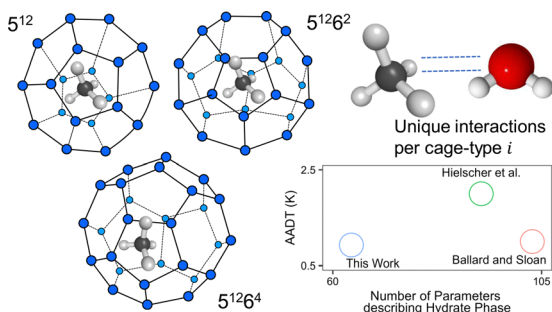
A tetrahydroacridine derivative and its conjugate with gold nanoparticles: promising agents for the treatment of Alzheimer's disease

Ilona Mojzych, Anna Zawadzka, Katarzyna Kaczyńska, Piotr Wojciechowski, Dominika Zając, Maciej Chotkowski, Katarzyna Wiktorska, Jan K. Maurin and Maciej Mazur*



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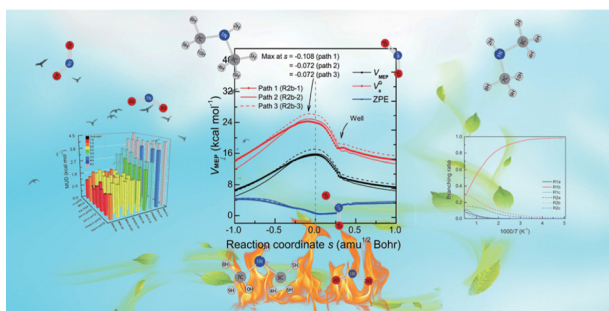
16807



A cage-specific hydrate equilibrium model for robust predictions of industrially-relevant mixtures

David J. Zhu, Bruce W. E. Norris, Zachary M. Aman* and Eric F. May*

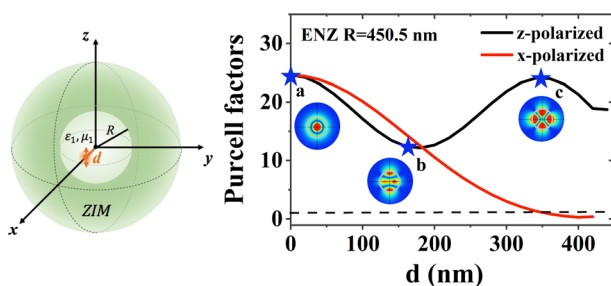
16824



Advanced kinetic calculations with multi-path variational transition state theory for reactions between dimethylamine and nitrogen dioxide in atmospheric and combustion temperature ranges

Yanlei Shang

16835



Inhibition and enhancement of the spontaneous emission in spherical cavities surrounded by zero-index-materials

Yun Ma, Qi Liu, Lingxiao Shan, Xinchen Zhang, Yali Jia, Qihuang Gong and Ying Gu*

16844



Computational investigations of stable multiple-cage-occupancy He clathrate-like hydrostructures

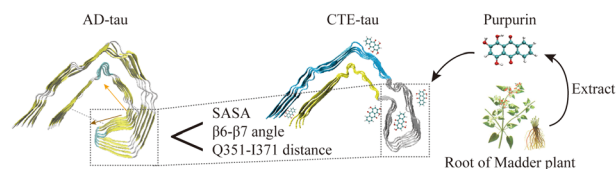
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Destabilization mechanism of R3–R4 tau protofilament by purpurin: a molecular dynamics study

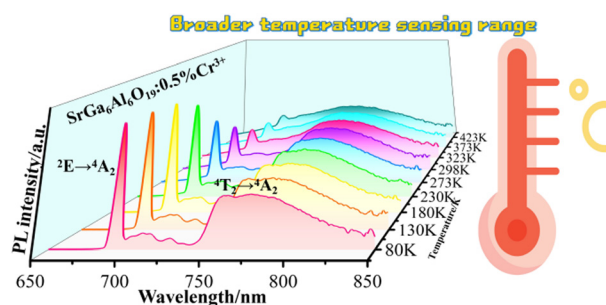
Jiaqian Wan, Yu Zou, Ruiqing Sun, Zhengdong Xu, Jiaying Tang, Yehong Gong, Guanghong Wei* and Qingwen Zhang*



16866

Extending the optical temperature sensing range of Cr³⁺ by synchronously tuning ²E and ⁴T₂ emission

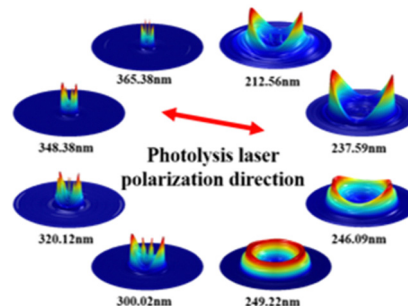
Jiaqi Ou, Shuangqiang Fang,* Qiangqiang Zhu, Yue Zhai, Hong Zhang and Le Wang*



16872

Slice imaging study of NO₂ photodissociation via the 1²B₂ and 2²B₂ states: the NO(X²Π) + O(³P_J) product channel

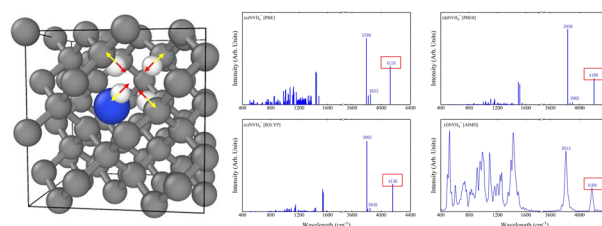
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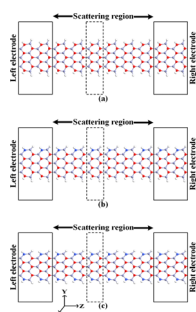
16881

The search for a band of a defect predicted above 4000 cm⁻¹ in diamond through infrared vibrational spectra: a quantum mechanical investigation

Yanyan Zhang, Libin Zhang, Dongliang Zhang, Yichen Li, Sheng Liu, Bo Yang* and Zhiyin Gan*



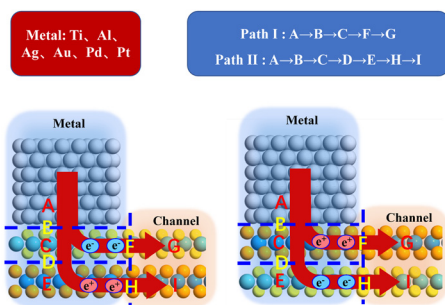
16889



Nitrogen-doped zinc oxide nanoribbons for potential resonant tunneling diode applications

M. Sankush Krishna,* Sangeeta Singh and Brajesh Kumar Kaushik

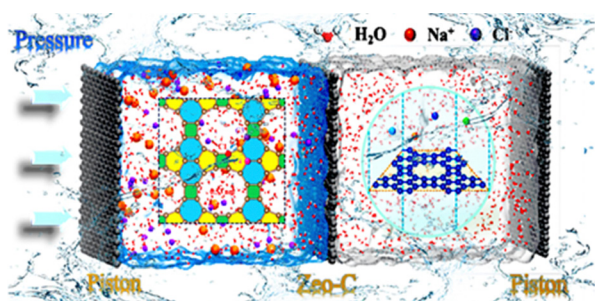
16896



Dual transmission channels at metal–MoS₂/WSe₂ hetero-bilayer interfaces

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16908

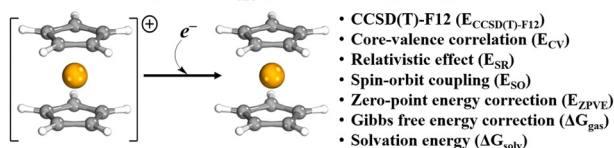


Computational simulation-driven discovery of novel zeolite-like carbon materials as seawater desalination membranes

Kun Meng, Xiuhan Li, Yutao Niu, Changhong Zhang, Xiaohua Yu, Ju Rong, Hongying Hou* and Hui Chen*

16921

Absolute reduction potential (E_{abs}^{\ominus}) predictions for $\text{Cp}_2\text{M}^{\oplus}/\text{Cp}_2\text{M}$ ($\text{M}=\text{Fe}, \text{Co}$ and Ni)



Ferrocene/ferrocenium, cobaltocene/cobaltocenium and nickelocene/nickelocenium: from gas phase ionization energy to one-electron reduction potential in solvated medium

Hongyan Zhao, Yi Pan and Kai-Chung Lau*

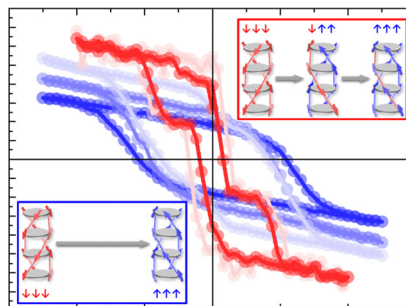


RESEARCH PAPERS

16921

Ferro- and ferrielectricity and negative piezoelectricity in thioamide-based supramolecular organic discotics

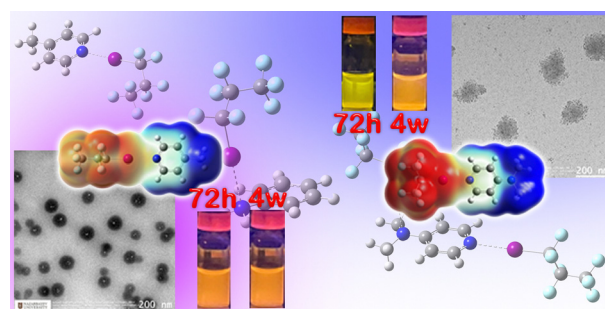
Indre Urbanaviciute, Miguel Garcia-Iglesias, Andrey Gorbunov, E. W. Meijer and Martijn Kemerink*



16938

Fluorescent nano-sized aggregates of halogen bonded complexes formed using perfluoropropyl iodides: a systematic comparison between two isomeric halogen bond acceptors, aniline and 4-methyl pyridine

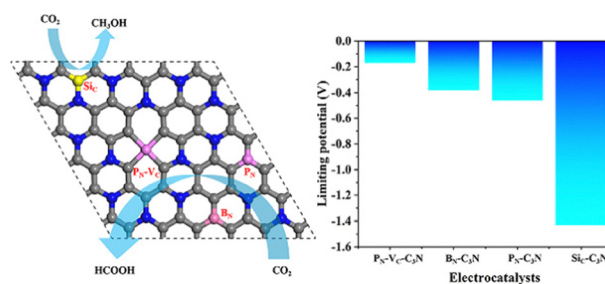
Haiyan Fan, Lazzat Nurtay, Nurgul Daniyeva and Enrico Benassi*



16952

Unravelling the adsorption and electroreduction performance of CO₂ and N₂ over defective and B, P, Si-doped C₃Ns: a DFT study

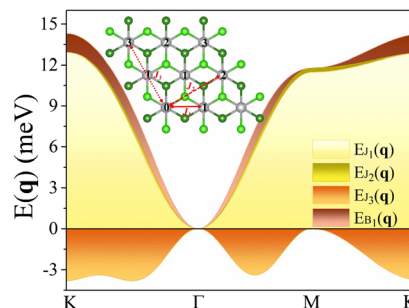
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16962

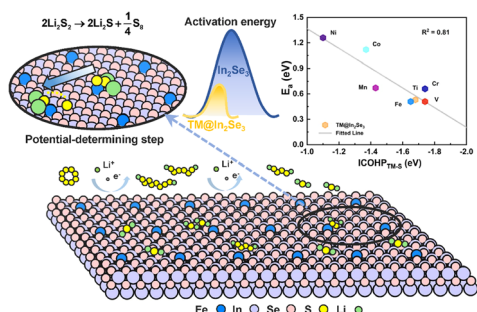
Same effect of biquadratic exchange interaction and Heisenberg linear interaction in a spin spiral

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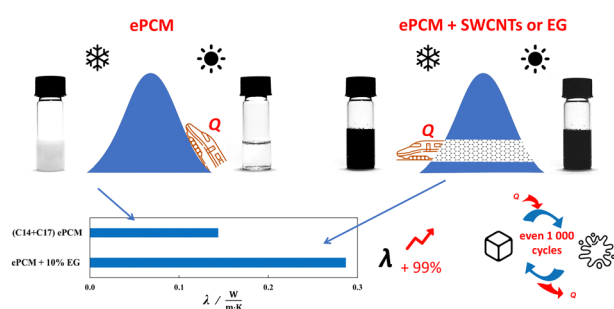
16968



Identification of linear scaling relationships in polysulfide conversion on α - In_2Se_3 -supported single-atom catalysts

Hui Wang, Lin Zou, Min Li and Long Zhang*

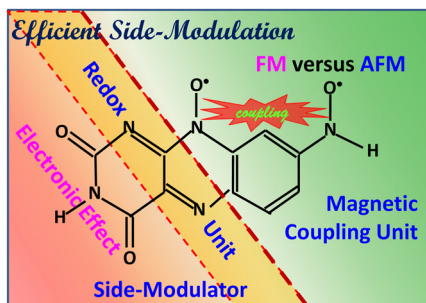
16979



Alkane-based eutectic phase change materials doped with carbon nanomaterials

Mikołaj Więckowski,* Marek Królikowski, Łukasz Scheller and Marzena Dzida

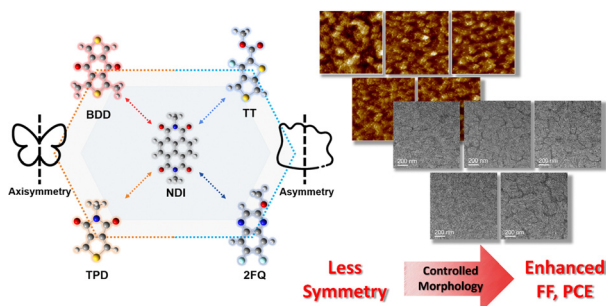
16991



Magnetic coupling modulation in *meta*-nitroxide-functionalized isoalloxazine magnets with redox-active units as efficient side-modulators

Rabia Malik and Yuxiang Bu*

17001



Naphthalene diimide-based random terpolymers with axisymmetric and asymmetric electron acceptors for controllable morphology and enhanced fill factors in all-polymer solar cells

Geunhyung Park, Yongjoon Cho, Seunglok Lee, Seungju Kim, Kyu Cheol Lee* and Changduk Yang*

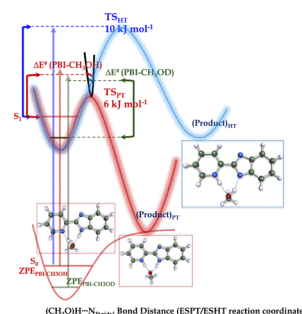


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17010

A combined spectroscopic and computational investigation on the solvent-to-chromophore excited-state proton transfer in the 2,2'-pyridylbenzimidazole–methanol complex

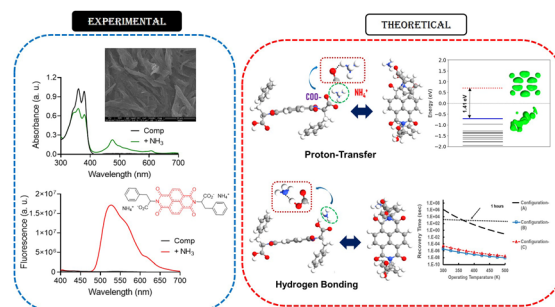
Ramesh Jarupula, Saurabh Khodia, Muhammed Shabeeb and Surajit Maity*



17021

Site-specific ammonia adsorption and transduction on a naphthalimide derivative molecule – a complementary analysis involving *ab initio* calculation and experimental verification

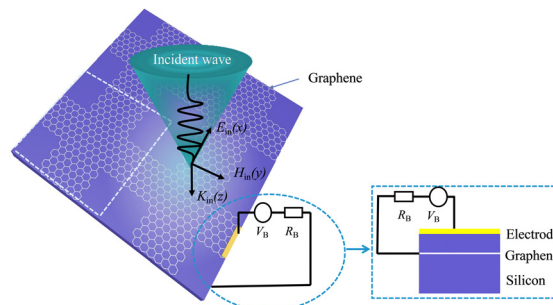
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17034

Polarization-independent plasmon-induced transparency and slow light effects in a fully continuous symmetric cross-shaped monolayer graphene structure

Can Wan, Cuixiu Xiong,* Meng Tan, Chengya Wei, Jie Wang and Saiwen Zhang



17043

GO nanosheets decorated with SnS nanoparticles: excellent photocatalytic performance under visible-light irradiation

Elham Kharatzadeh* and Marzieh Khademalrasool*

