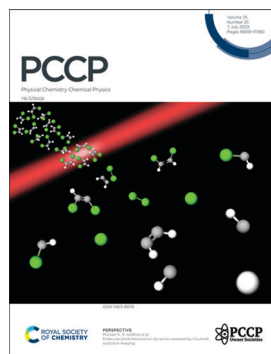


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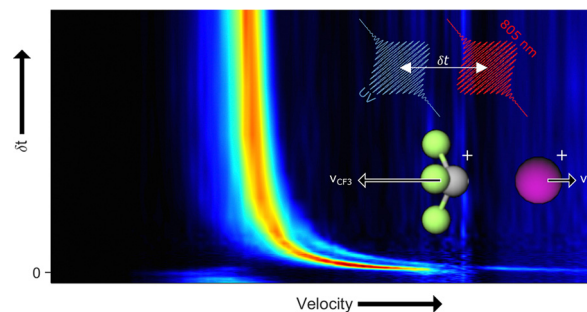
See Michael N. R. Ashfold *et al.*, pp. 16672–16698. Image reproduced by permission of Stuart Crane from *Phys. Chem. Chem. Phys.*, 2023, 25, 16672.

## PERSPECTIVE

16672

### Molecular photodissociation dynamics revealed by Coulomb explosion imaging

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

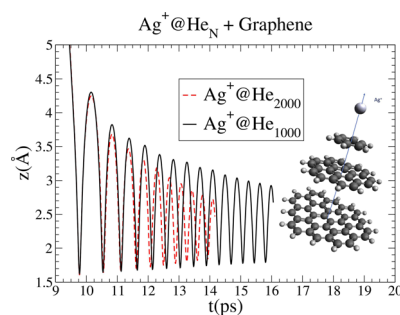


## COMMUNICATIONS

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### 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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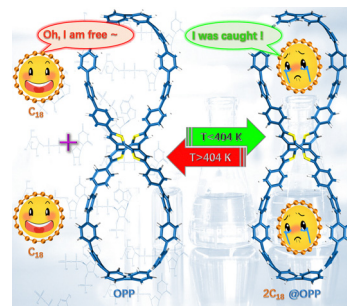


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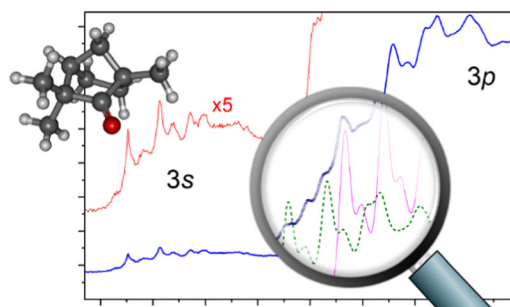
Zeyu Liu,\* Xia Wang, Tian Lu,\* Jiaojiao Wang, Xiufen Yan, Yang Wu and Jingbo Xu



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

Ivan Powis\* and Dharendra P. Singh

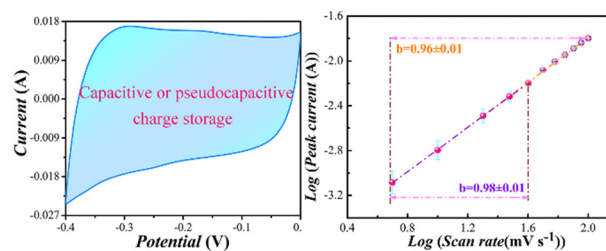


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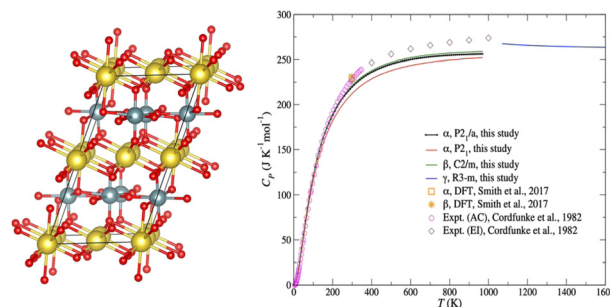
Jian-Fei Gao, Jing-Feng Hou and Ling-Bin Kong\*



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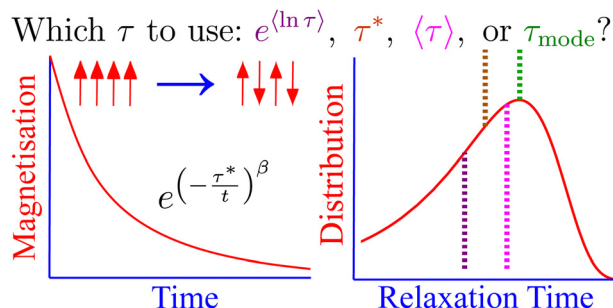
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Philippe F. Weck,\* Carlos F. Jové-Colón and Eunja Kim



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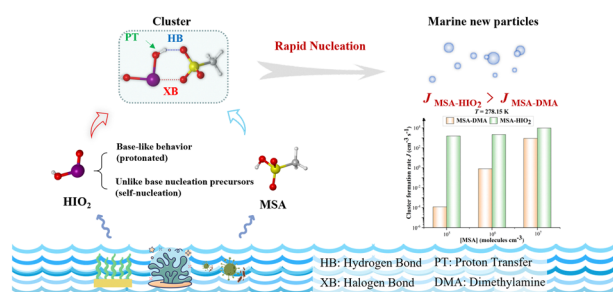
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### Characterisation of magnetic relaxation on extremely long timescales

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

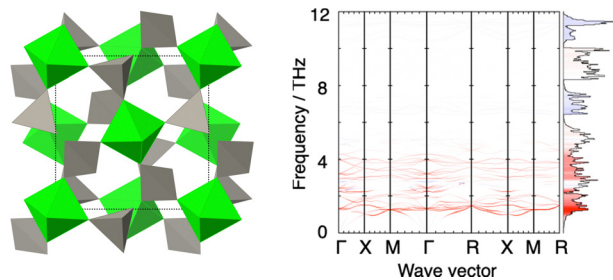
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### Methanesulfonic acid and iodosic acid nucleation: a novel mechanism for marine aerosols

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

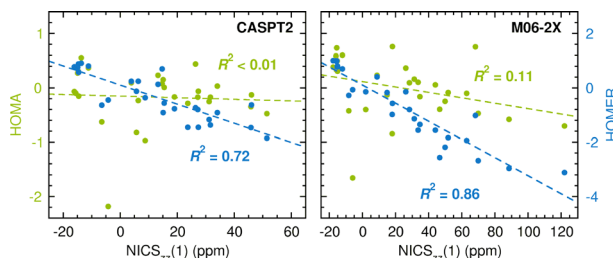
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Leila H. N. Rimmer, Keith Refson and Martin T. Dove\*

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Enrique M. Arpa\* and Bo Durbej\*

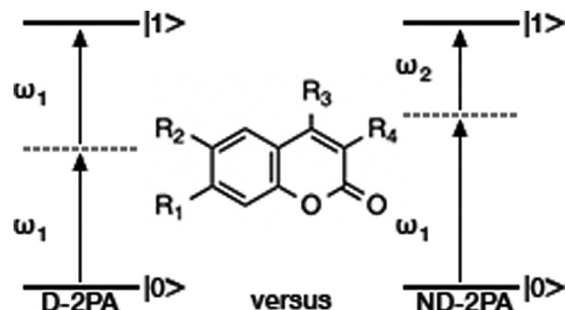


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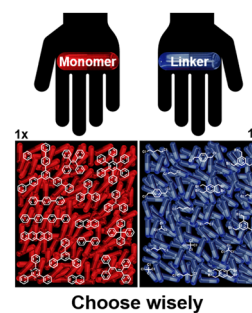
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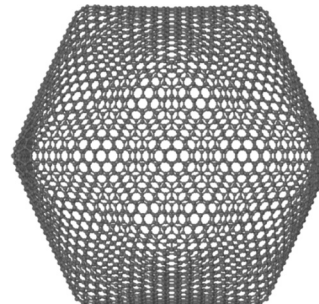
Annika Krusenbaum, Steffi Krause Hinojosa, Sven Fabig, Valentin Becker, Sven Grätz and Lars Borchardt\*



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**The largest fullerene**

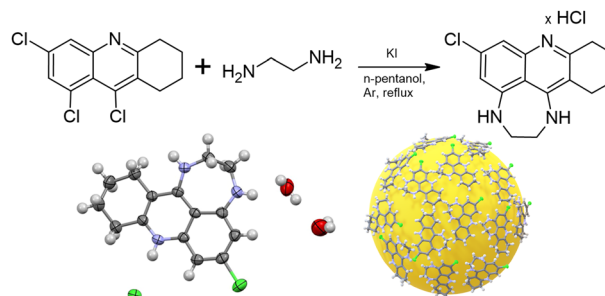
Michael Gatchell, Henning Zettergren and Klavs Hansen\*



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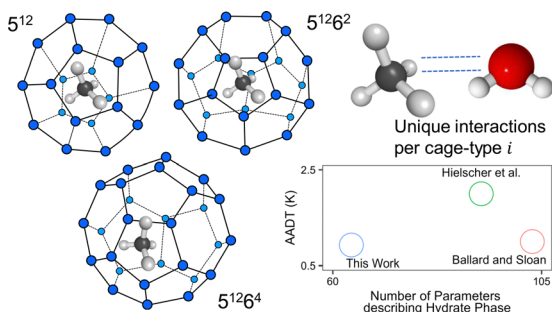
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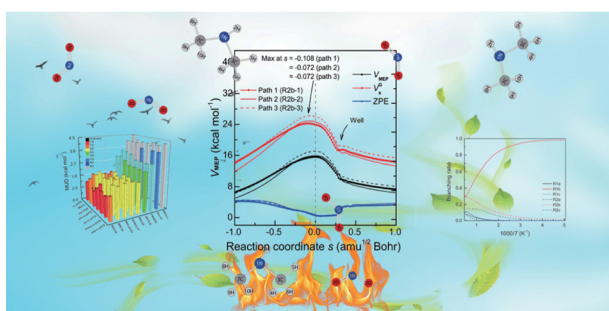
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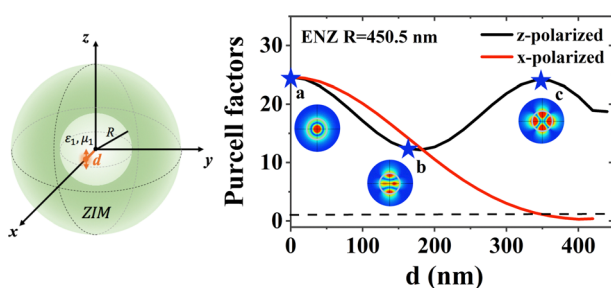
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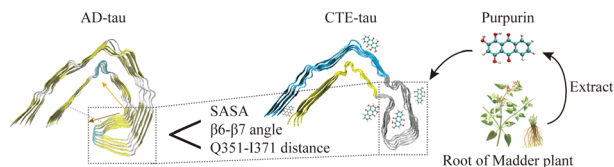
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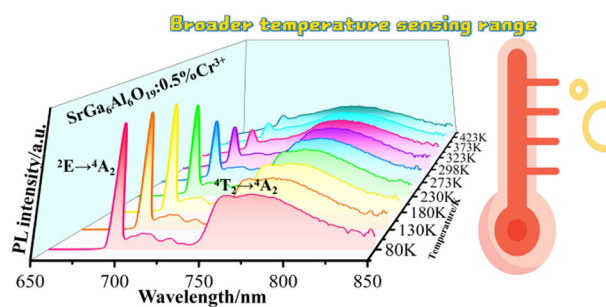
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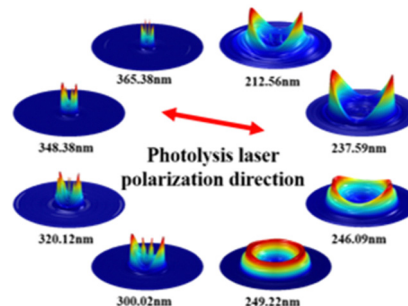
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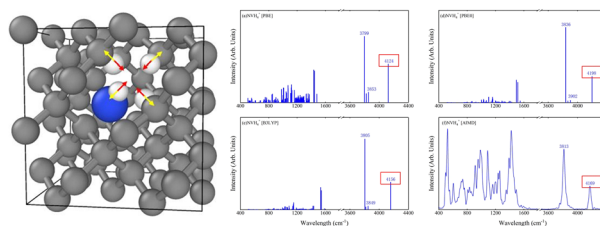
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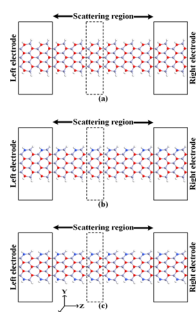
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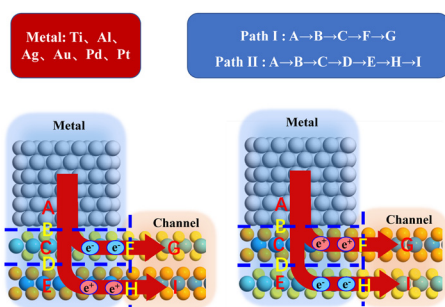
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### Nitrogen-doped zinc oxide nanoribbons for potential resonant tunneling diode applications

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

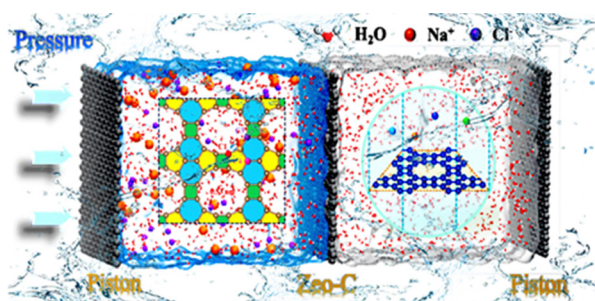
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Dongqing Zou, Wenkai Zhao,\* Yuqing Xu, Xiaoteng Li, Yuliang Liu and Chuanlu Yang\*

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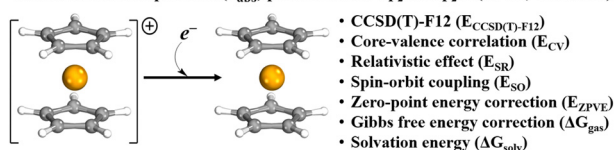


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### Ferrocene/ferrocenium, cobaltocene/cobaltocenium and nickelocene/nickelocenium: from gas phase ionization energy to one-electron reduction potential in solvated medium

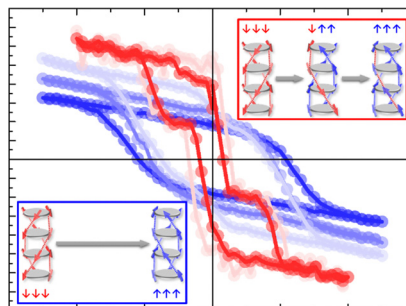
Hongyan Zhao, Yi Pan and Kai-Chung Lau\*



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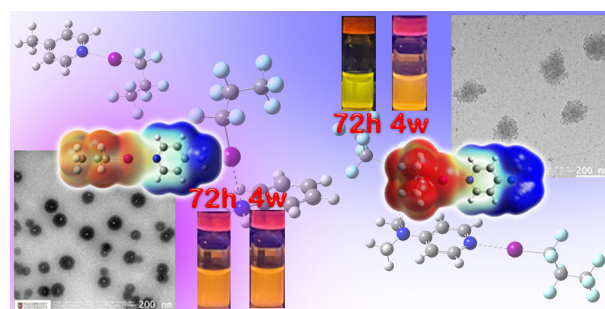
Indre Urbanaviciute, Miguel Garcia-Iglesias, Andrey Gorbunov, E. W. Meijer and Martijn Kemerink\*



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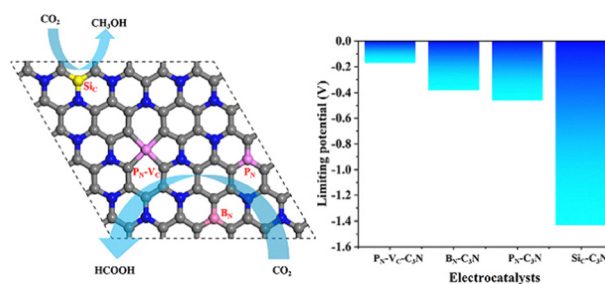
Haiyan Fan, Lazzat Nurtay, Nurgul Daniyeva and Enrico Benassi\*



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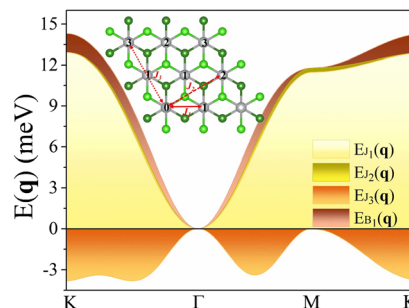
Dandan Wang, Xueting Liu, Huiru Yang, Ziang Zhao, Yucheng Liu, Xin Qu, Lihua Yang, Ming Feng\* and Zaicheng Sun\*



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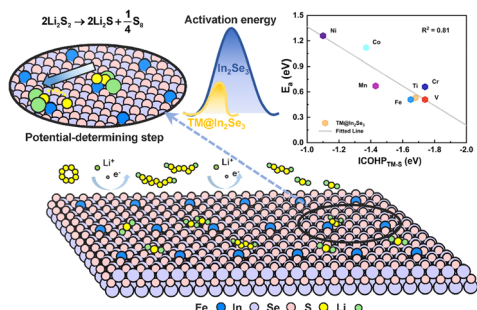
### Same effect of biquadratic exchange interaction and Heisenberg linear interaction in a spin spiral

Lingzi Jiang, Can Huang, Bingjie Liu, Yanfei Pan, Jiyu Fan, Daning Shi,\* Chunlan Ma\* and Yan Zhu\*



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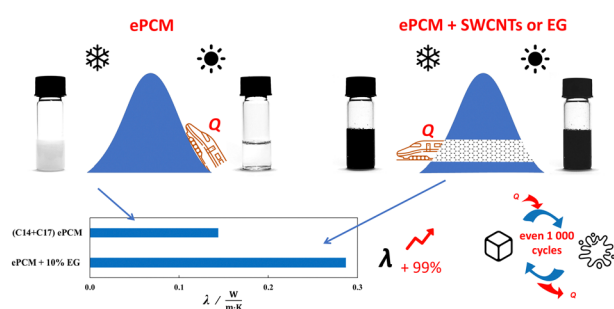
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### Identification of linear scaling relationships in polysulfide conversion on $\alpha$ - $\text{In}_2\text{Se}_3$ -supported single-atom catalysts

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

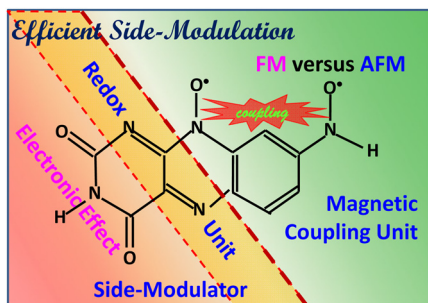
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### Alkane-based eutectic phase change materials doped with carbon nanomaterials

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

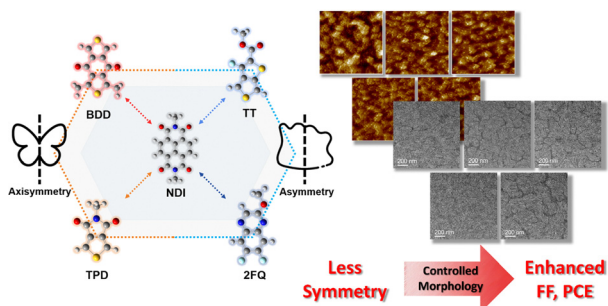
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### Magnetic coupling modulation in *meta*-nitroxide-functionalized isoalloxazine magnets with redox-active units as efficient side-modulators

Rabia Malik and Yuxiang Bu\*

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### 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\*

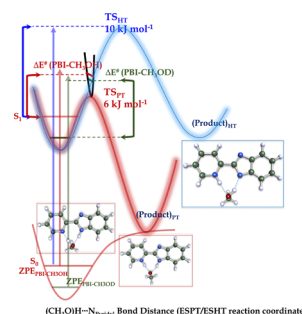


## RESEARCH PAPERS

17010

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

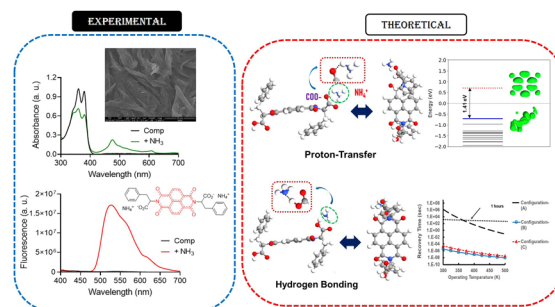
Ramesh Jarupula, Saurabh Khodia, Muhammed Shabeeb and Surajit Maity\*



17021

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

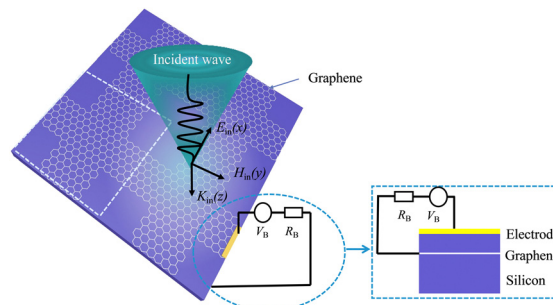
Aditya Tiwari, Rikitha S. Fernandes, Nilanjan Dey\* and Sayan Kanungo\*



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\*

