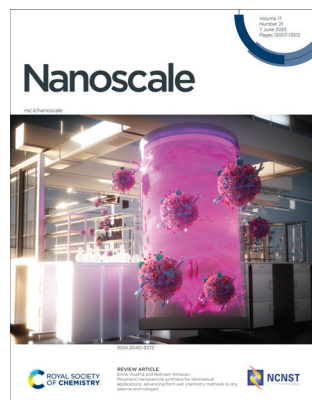


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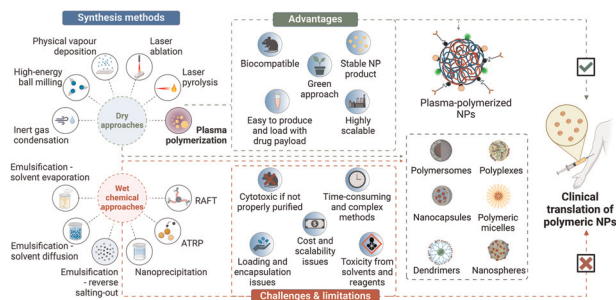
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Polymeric nanoparticle synthesis for biomedical applications: advancing from wet chemistry methods to dry plasma technologies

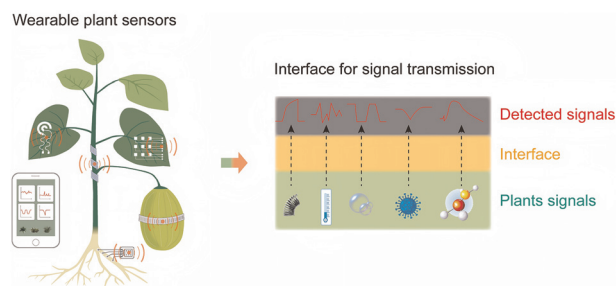
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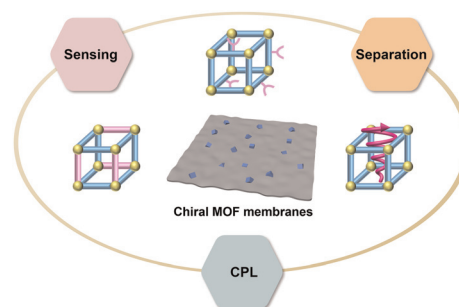
Fundamental questions
Elemental answers

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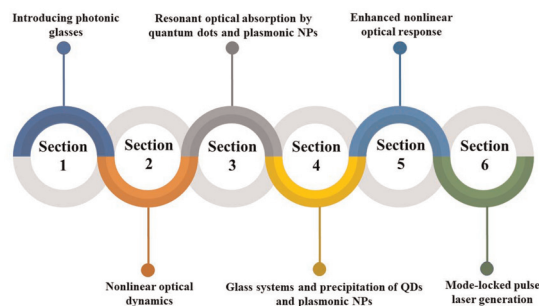
Yun Fan and Mengyun Chen*



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Nonlinear photonics in glass systems doped with quantum dots and plasmonic nanoparticles

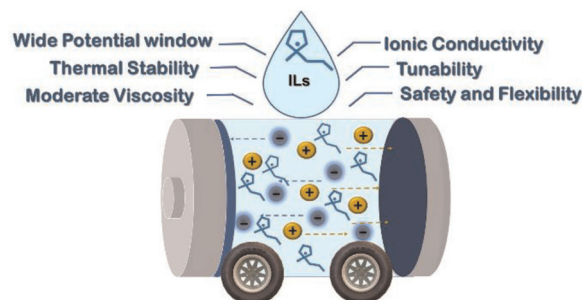
Muhammad Aamir Iqbal, Jianrong Qiu and Xiaofeng Liu*



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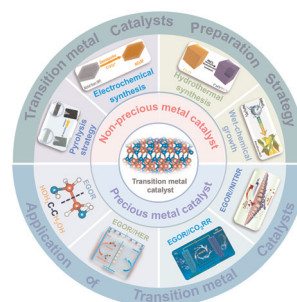
Sudeshna Chaudhari, Poulomi Nandi and Chandramouli Subramaniam*



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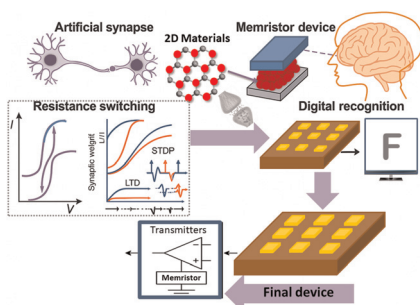
Research progress of transition metal catalysts for electrocatalytic EG oxidation

Hongjing Wu, Xiaoyue Zheng, Jiajia Liu, Yanru Yuan, Yuquan Yang, Chenjing Wang, Li Zhou, Lulu Wang, Binbin Jia,* Xiaoyu Fan* and Jinlong Zheng*



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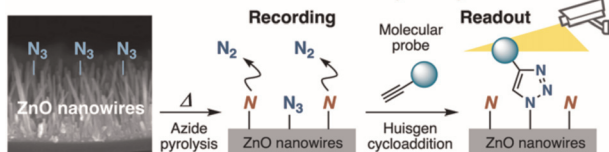
2D MoTe₂ memristors for energy-efficient artificial synapses and neuromorphic applications

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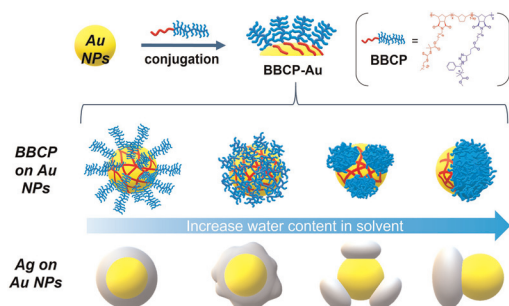


Azido-enabled thermal history analysis on a metal-oxide surface

Satoki Yamaguchi, Tomohiro Iwaj,* Hiromichi V. Miyagishi, Hiroshi Masai, Takuro Hosomi, Takeshi Yanagida, Ken Uchida and Jun Terao*

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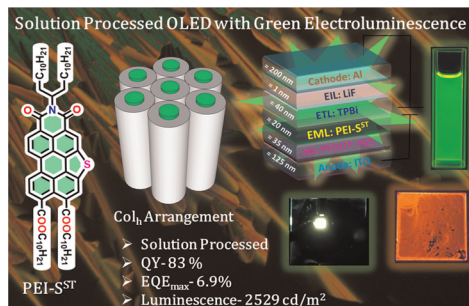
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Bottlebrush polymer patches template heterometal growth on a gold nanoparticle surface

Minjun Kim, Jiyun Nam, Jiseok Kim, Hyunsik Hwang, Myungeun Seo* and Hyunjoon Song*

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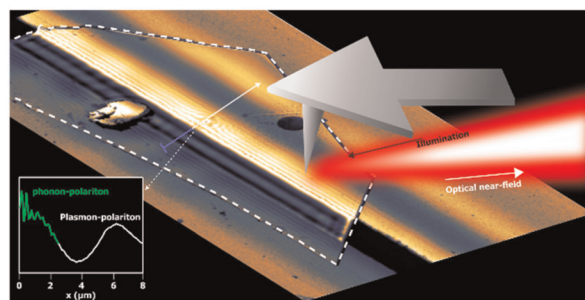


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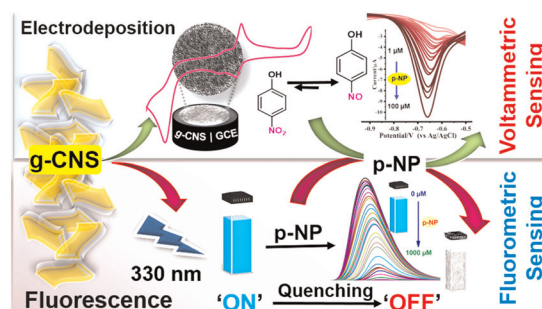
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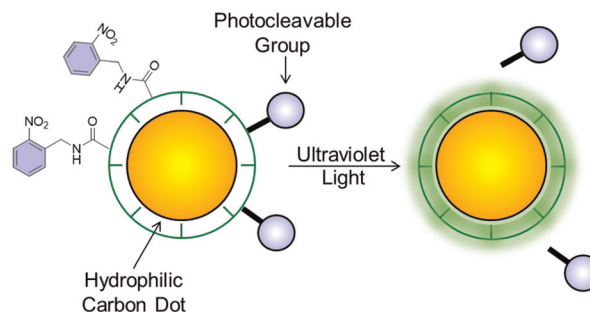
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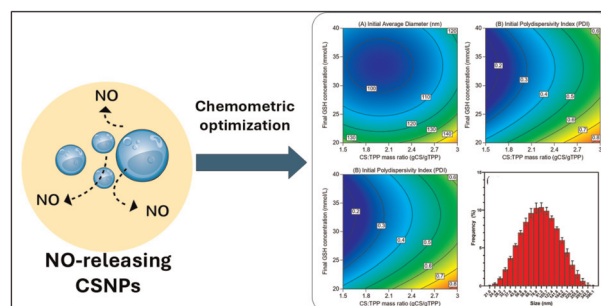
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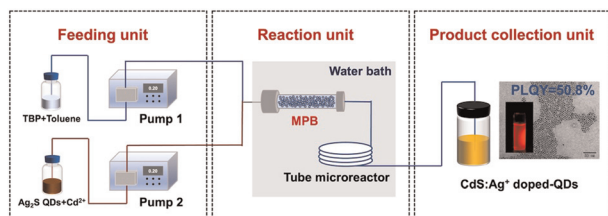
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Multivariate chemometric design of nitric oxide-releasing chitosan nanoparticles for skin-related biomedical applications

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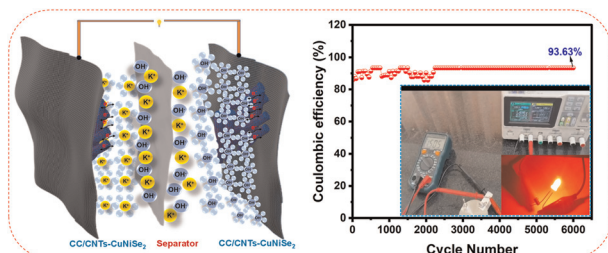
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A MPB-intensified tube microreactor system for continuous synthesis of Ag⁺ doped CdS quantum dots

Chuwei Zhu, Yuxi Li, Tailie Hou, Xiaole Gu, Xinyuan Li,*
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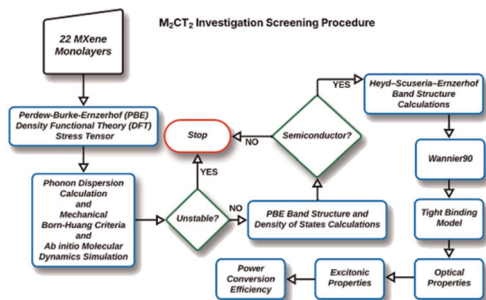
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In situ synthesis of bimetallic chalcogenides with highly conductive carbon nanotubes for efficient symmetric hybrid supercapacitors

Soumyajit Jana, Sampath Karingula, Anjana Sajeevan,
Phani Kumar V. V. N. and Yugender Goud Kotagiri*

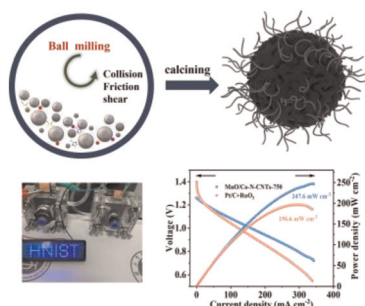
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Enhanced solar harvesting efficiency in nanostructured MXene monolayers based on scandium and yttrium

Bill D. Aparicio-Huacarpuma, Marcelo L. Pereira, Jr,*
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Interwoven MnO/Co-derived N-doped carbon nanotube composites as highly efficient and durable bifunctional oxygen catalysts for zinc–air batteries

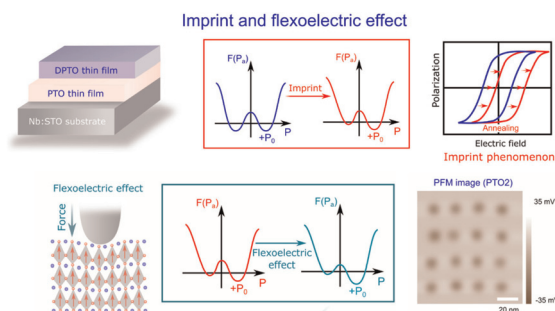
Yun Yang, Qing Long, Wei Wang,* Junlin Huang,*
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Local ferroelectric domain switching phenomenon in PbTiO_3 thin films affected by the imprint effect and external force

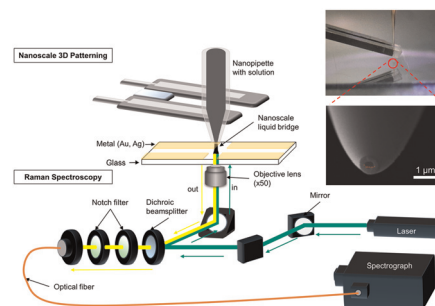
Eunmi Lee and Jong Yeog Son*



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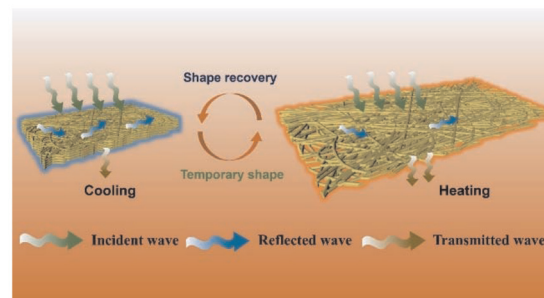
Yeonju Bae, Hojin Jang, Taesun Yun, Chanuk Yang, Jonggeun Hwang, Minji Park, Sanghan Lee, Jangyup Son,* Kyoung-Duck Park,* Jongwoo Kim,* Wonho Jhe* and Sangmin An*



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Shape memory composite membrane with widely programmable electromagnetic shielding effectiveness

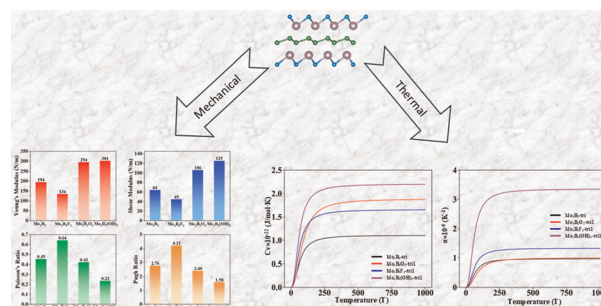
Zhiyong Zeng, Jv Li, Chuanru Zheng, Hongmei Chen, Gang Liu, Jian Huang, Kun Qian, Fenghua Zhang and Wenbing Li*



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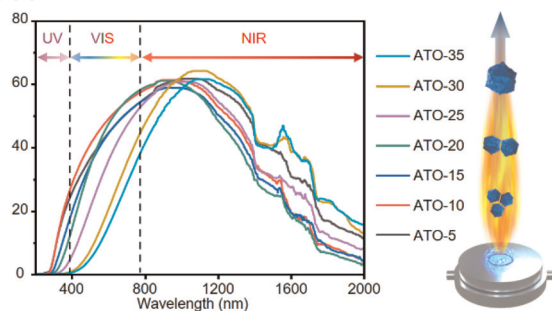
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Di Zhao, Mengqing Hu, Ming Zhou, Mingli Li, Oscar Allen, Irfan Ali Soomro, Samuel Akinlolu Ogunkunte, Lei Zhang, Liang Wang, Zhenzhen Wu, Porun Liu, Yuan Mei and Yun Wang*



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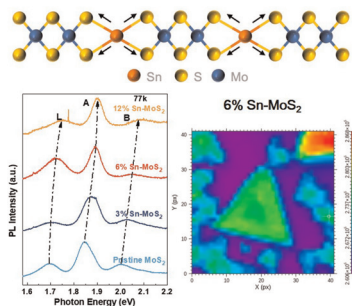
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Tung Van Pham, Tomoyuki Hirano,* Eishi Tanabe, Eka Lutfi Septiani, Kiet Le Anh Cao and Takashi Ogi

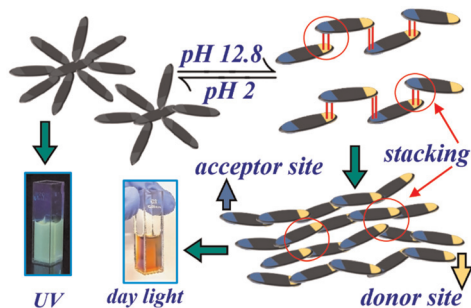
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Yanxin Chen, Fan Wu, Lijing Fan, Shaohua Chen, Jieyi Shen and Pengxin Liu*

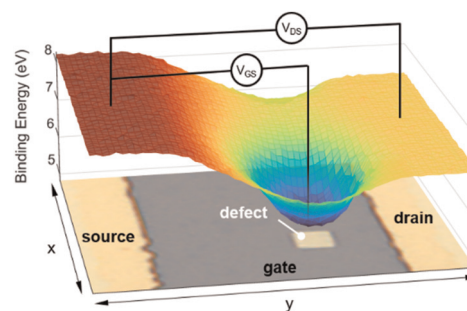


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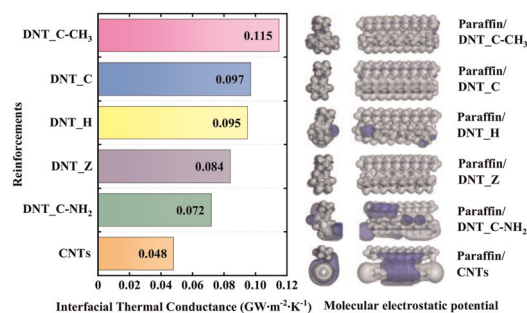
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Enhanced interfacial thermal transport in diamond nanowire reinforced polymer nanocomposites: insights from atomistic simulations and density functional theory

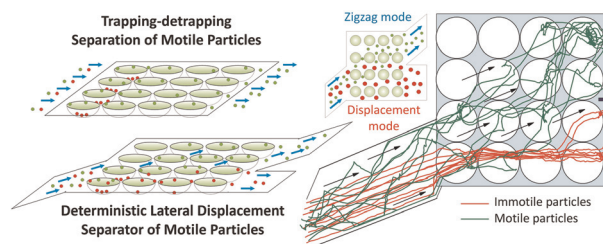
Xuefeng Liu, Rui Yang, Zhiwu Bie, Fenghua Nie,* Yong Fan, Erkan Oterkus and Xiaoqiao He



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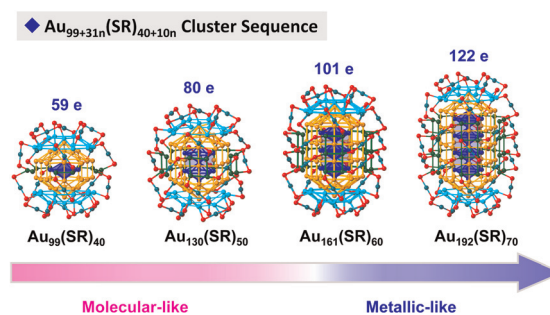
Vyacheslav R. Misko,* Franco Nori and Wim De Malsche



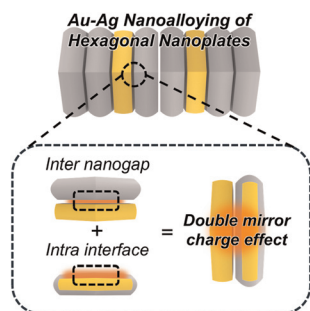
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Theoretical study on a novel Au_{99+31n}(SR)_{40+10n} cluster sequence with D₅ symmetry

Youqiong Fang and Lin Xiong*



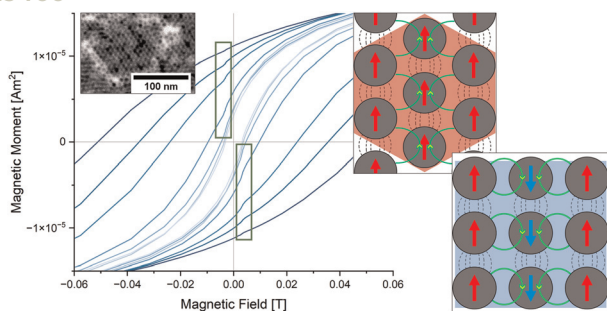
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Au–Ag controllable composition nanoalloying of hexagonal nanoplates: heterogeneous interfacial nanogaps enhance near-field focusing

Sungbeen Park, Insub Jung, Soohyun Lee, Qiang Zhao, Sungwoo Lee, Hyunji Kim and Sungho Park*

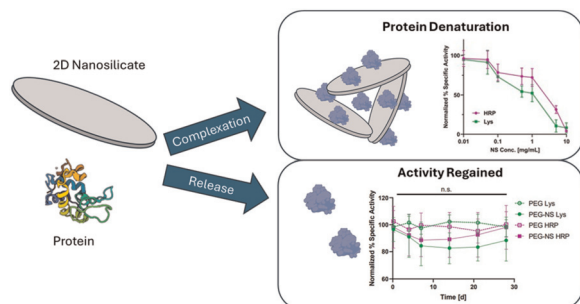
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The role of superlattice phases and interparticle distance in the magnetic behaviour of SPION thin films

Marion Görke, Sherif Okeil, Guohui Yang, Hermann Nirschl, Thilo Viereck and Georg Garnweitner*

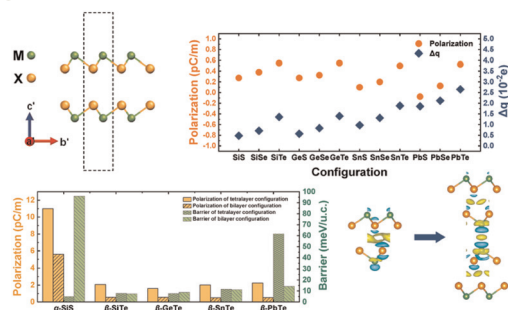
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Rhodium–silver superatomic nanoclusters stabilized by diselenophosphate ligands

Tzu-Hao Chiu, Michael N. Pillay, Samia Kahlal, Jean-Yves Saillard* and C. W. Liu*

