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See Naoki Tomioka, Yu Matsuda *et al.*, pp. 5579–5584. Image reproduced by permission of Yu Matsuda from *Nanoscale Adv.*, 2024, 6, 5579.



Inside cover
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Supramolecular chirality in self-organised systems and thin films

G. Giancane, S. Bettini and L. Valli

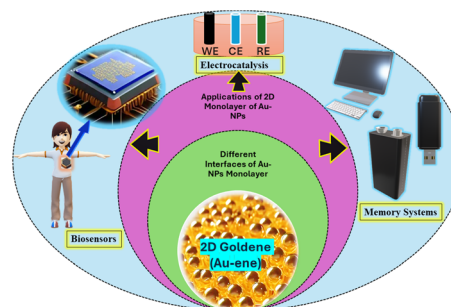


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Gold on the horizon: unveiling the chemistry, applications and future prospects of 2D monolayers of gold nanoparticles (Au-NPs)

Tholkappiyan Ramachandran,^{*} Ashraf Ali, Haider Butt, Lianxi Zheng, Firdous Ahmad Deader and Moh'd Rezeq^{*}



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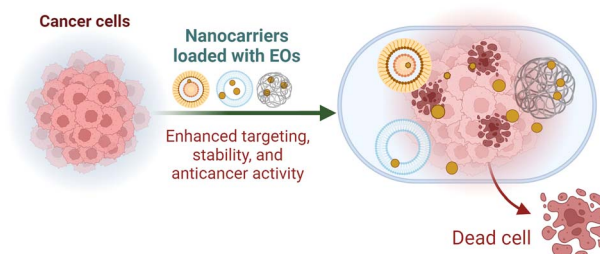
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Obaydah Abd Alkader Alabrahim, Jude Majed Lababidi, Wolfgang Fritzsche and Hassan Mohamed El-Said Azzazy*

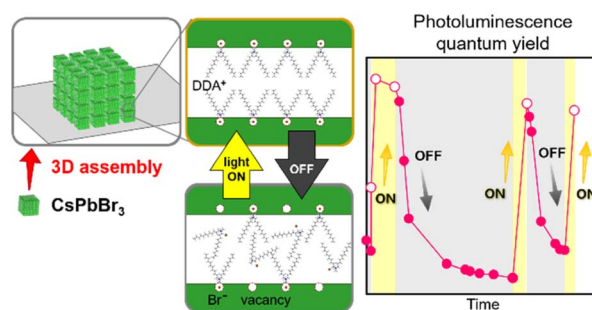


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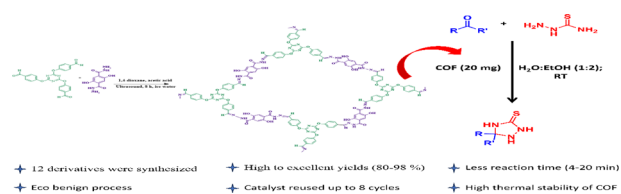
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Pankaj Teli, Shivani Soni, Sunita Teli and Shikha Agarwal*

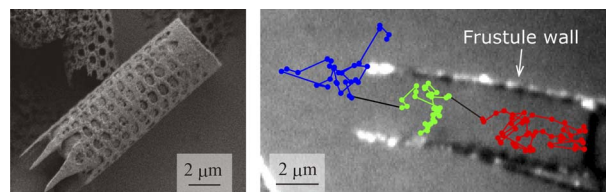


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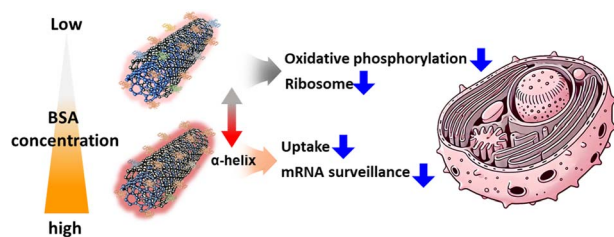
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Diffusion of individual nanoparticles in cylindrical diatom frustule

Naoki Tomioka,* Yusaku Abe and Yu Matsuda*



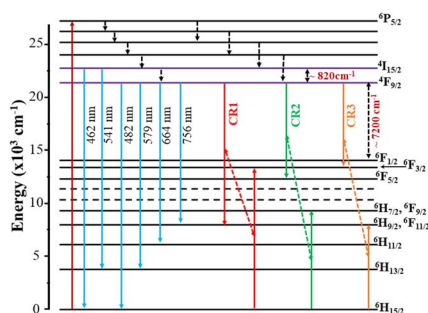
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Sun Young Lee, Jae Won Choi, Tae Geol Lee,*
Min Beom Heo* and Jin Gyeong Son*

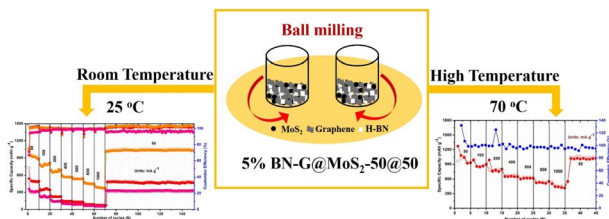
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N. T. Hien, N. T. Kien, V. H. Yen, T. Ngoc, P. V. Do,
V. X. Phuc and N. X. Ca*

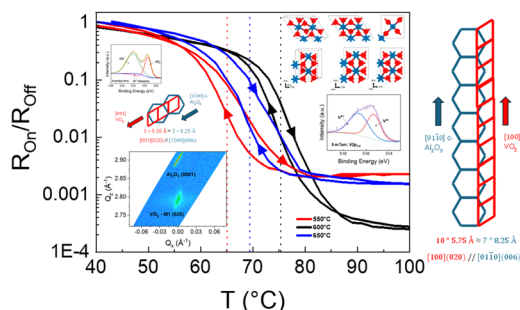
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A 2D hybrid nanocomposite: a promising anode material for lithium-ion batteries at high temperature

Bongu Chandra Sekhar, Abdelrahman Soliman,
Muhammad Arsalan and Edreese H. Alsharaeh*

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Tunable insulator–metal transition in epitaxial VO₂ thin films *via* strain and defect engineering

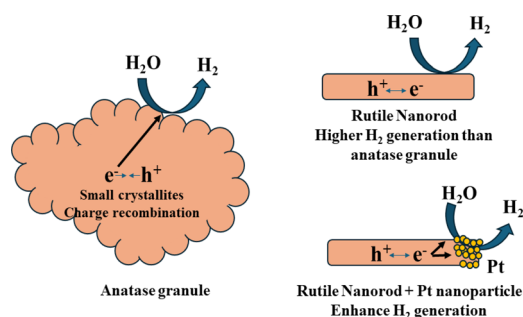
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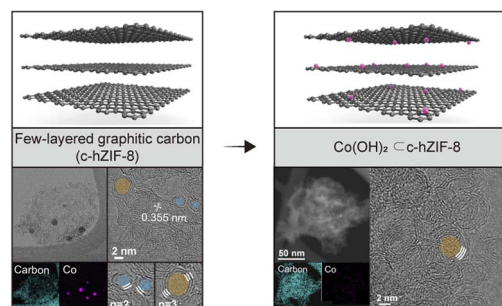
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Designing few-layered graphitic carbons with atomic-sized cobalt hydroxide by harnessing hollow metal-organic frameworks

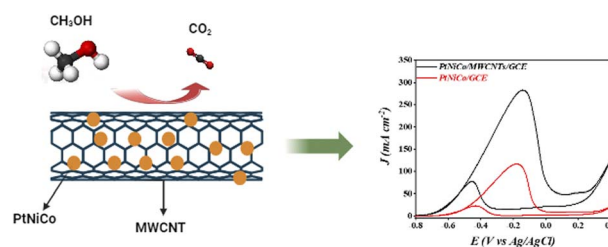
Eun Jin Cho, Bo-Min Kim, WooYeon Moon, Dong Gyu Park, Young-Wan Ju, Won Ho Choi* and Jeeyoung Shin*



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Environmentally friendly PtNiCo nanocatalysts enhanced with multi-walled carbon nanotubes for sustainable methanol oxidation in an alkaline medium

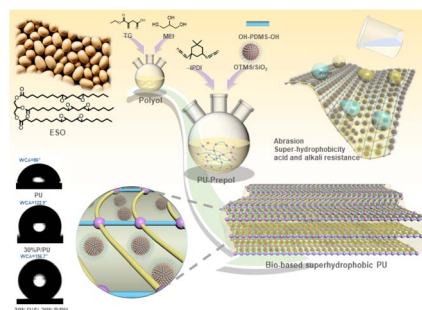
Merve Akin, Anas El Attar, Ramazan Bayat, Muhammed Bekmezci, Badr Bouljoihel, Mama El Rhazi and Fatih Sen*



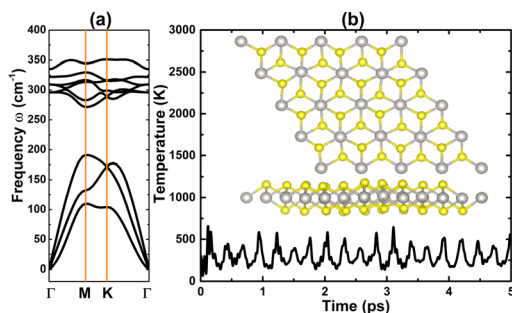
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A highly reactive soybean oil-based superhydrophobic polyurethane film with long-lasting antifouling and abrasion resistance

Junming Huang, Genzheng Sha, Minghui Cui, Mengqiu Quan, Yuqing Wang, Yao Lu,* Jin Zhu and Jing Chen*



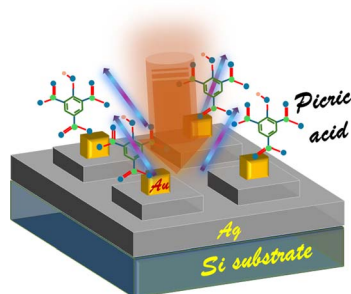
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Nguyen Thanh Tien, J. Guerrero-Sanchez and D. M. Hoat*

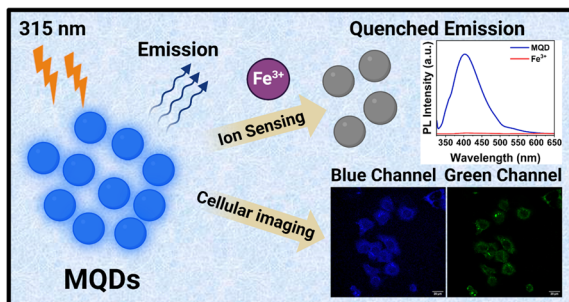
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3D nanoplasmonic structure for ultrahigh enhanced SERS with less variability, polarization independence, and multimodal sensing applied to picric acid detection

Anand M. Shrivastav, Mohammad Abutoama and Ibrahim Abdulhalim*

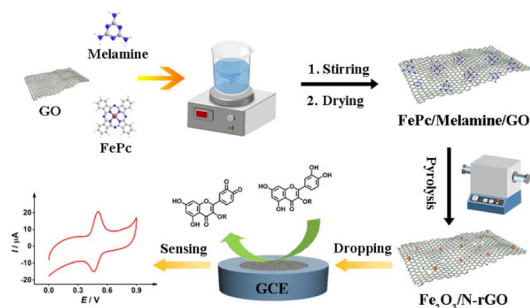
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Vishakha Takhar, Simranjit Singh, Superb K. Misra and Rupak Banerjee*

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A catalytic amplification platform based on Fe_2O_3 nanoparticles decorated graphene nanocomposites for highly sensitive detection of rutin

Zhuzhen Chen, Tingting Zhang, Xue Zhang, Wangxing Cheng,* Linwei Chen* and Nannan Lu*

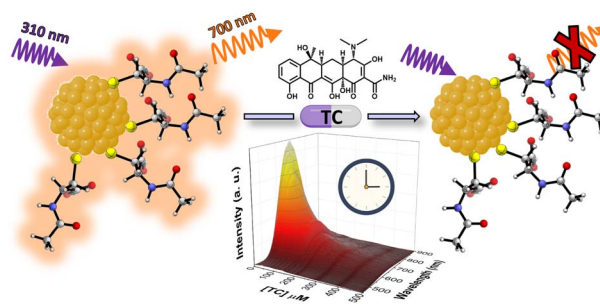


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Harnessing sustainable nanoclusters for sensitive optical detection of tetracyclines and the underlying mechanism

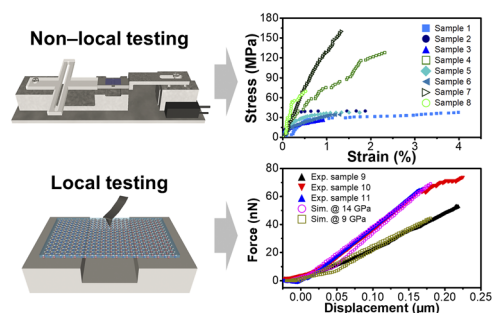
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Marcus Lespasio, Elena Missale, Bashar Aziz, Yoosuk Kim, Giorgio Speranza, Ralu Divan, David J. Gosztola, Chi-Hou Lei, Maria F. Pantano* and Irma Kuljanishvili*



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Noor Zulfiqar,* Monireh Shariatipour and Fawad Inam

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Retraction: Photo-responsive hole formation in the monolayer membrane wall of a supramolecular nanotube for quick recovery of encapsulated protein

N. Kameta,* Y. Kikkawa and Y. Norikane

