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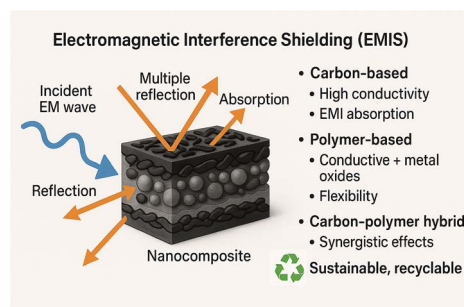
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Electromagnetic interference shielding: a comprehensive review of materials, mechanisms, and applications

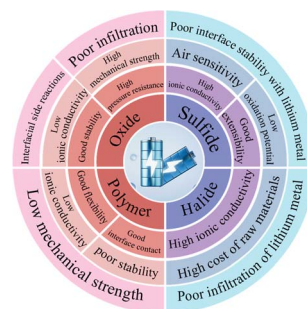
Hareesh M. S., Praveen Joseph and Sumesh George*



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A review of interface optimization strategies for solid electrolytes and anode materials

Dandan Wang, Xinyang Wu, Yongpeng Ren,* Yaru Li,* Xiaolin Xie, Xiqiang Ma, Ihar Razanau, Xuemin Chen, Junhao Lu and Kunming Pan



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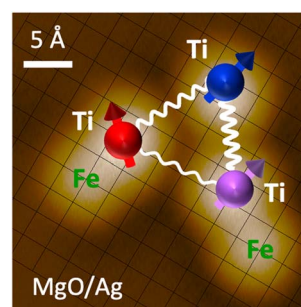
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REVIEWS

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Electron spin resonance with scanning tunneling microscopy: a tool for an on-surface quantum platform of identical qubits

Deung-Jang Choi,* Soo-hyon Phark, Andreas J. Heinrich and Nicolás Lorente

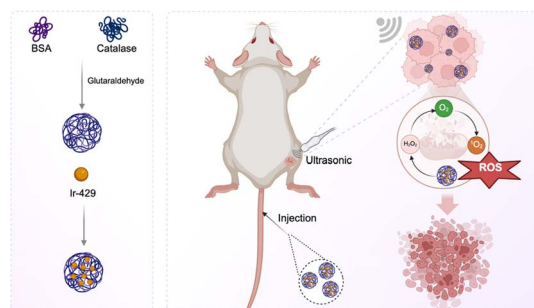


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Engineering BSA-CAT-Ir nanoparticles for enhanced sonodynamic therapy via alleviating tumor hypoxia

Qiufang Gong, Lixuan Huo, Shiyi Xiong, Yingying Han, Xuefen Zhao, Lutong Wen, Jiayi Ru, Hongyu Zhang, Fang Yang,* Guosheng Song* and Chao Liang*

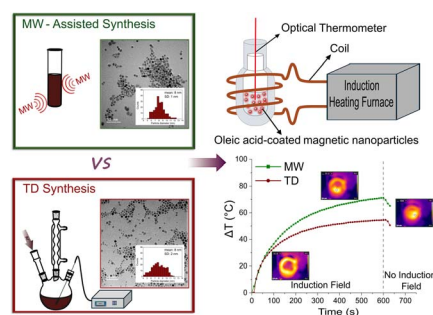


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Optimizing superparamagnetic ferrite nanoparticles: microwave-assisted vs. thermal decomposition synthesis methods

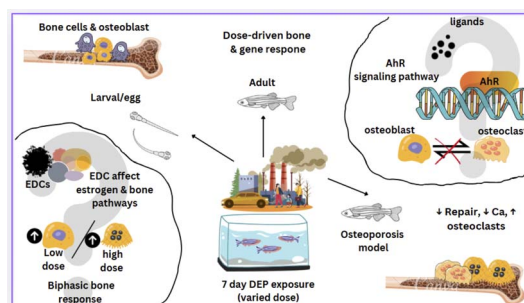
Kimia Moghaddari, Lars Schumacher, Rainer Pöttgen and Guido Kickelbick*



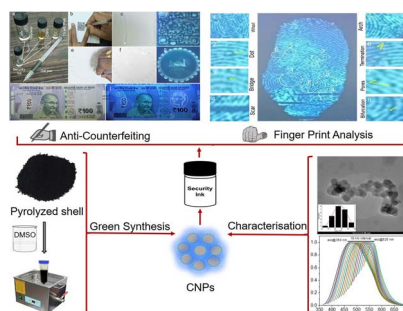
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Diesel exhaust particles modulate bone remodeling and worsen osteoporosis: *in vitro* and *in vivo* investigations

Vaishnavi N, Saravanan Sekaran, Renugaa Suresh babu, Swathi Sudhakar* and Selvaraj Vimalraj*



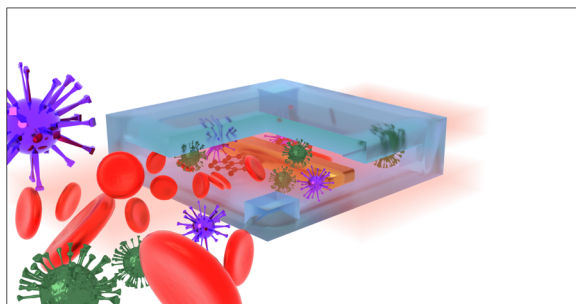
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Development of cost-effective fluorescent carbon nanoparticles as security ink for anticounterfeiting and fingerprint visualization

Shiv Rag Mishra, Tuhin Mandal, Ashish Kumar Ghosh and Vikram Singh*

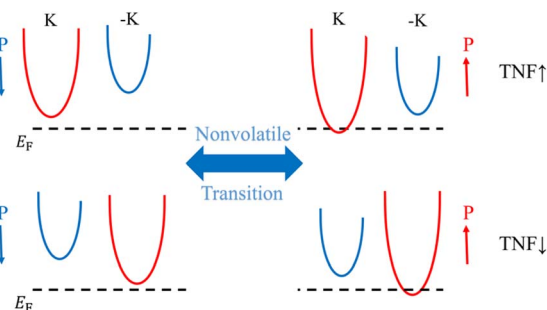
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Sensitive terahertz plasmonic metasurface biosensor integrated with microfluidics

Amir MoradiFotouhi and Mahdi Pourfath*

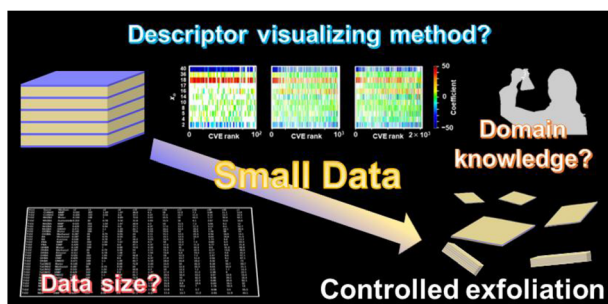
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Nonvolatile metal-semiconductor transition of a single valley in two-dimensional ferrovalley/ferroelectric van der Waals heterostructures

Jianrong Ye, Rongkun Chen, Hua Bai,* Shiqian Hu* and Chunhua Zeng*

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Data-scientific validation of prediction models for the controlled syntheses of exfoliated nanosheets

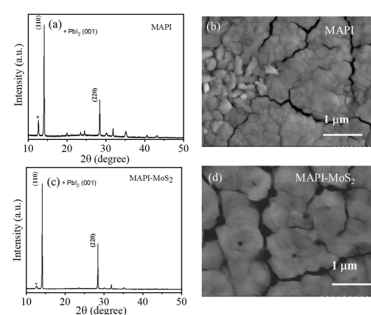
Yuka Kitamura, Yuki Namiuchi, Hiroaki Imai, Yasuhiko Igarashi* and Yuya Oaki*



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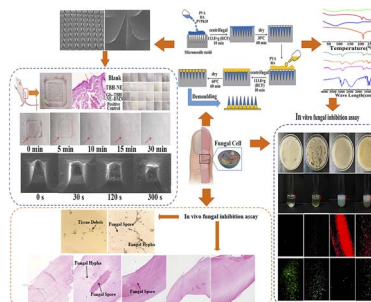
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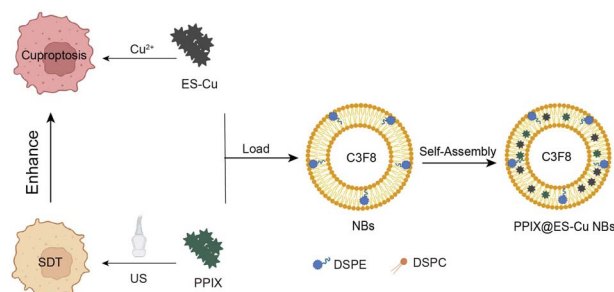
Huilin Wang, Yan Wang, Jianing Liu, Yonghua Qi, Weitong Sun, Hongbin Qiu,* Yu Zhang* and Yang Ping*



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Nanobubble-mediated sonodynamic therapy enhances cuproptosis in the treatment of hepatocellular carcinoma

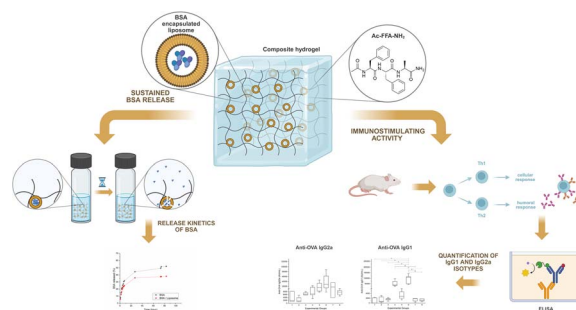
Jiabao Ouyang,* Nan Li, Chunbo Liu and Yu Zhang



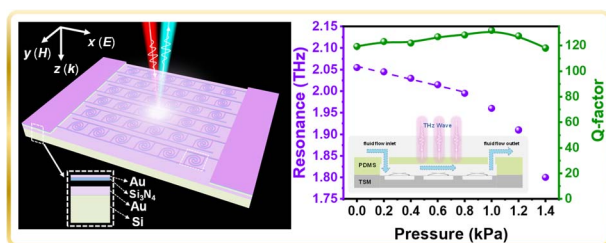
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Self-assembled Ac-FFA-NH₂ based hydrogels with strong immunostimulating activity for vaccine delivery

Nika Gazdek Serdar, Tihomir Pospisil, Marcela Šišić, Ivo Crnolatac, Petra Maleš, Ruža Frkanec* and Leo Frkanec*



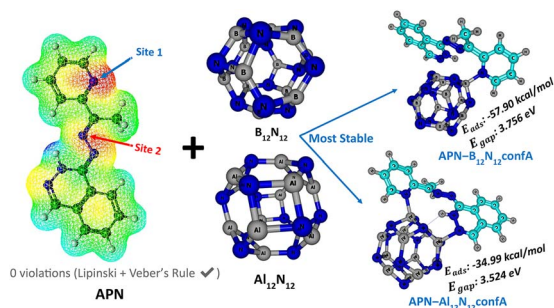
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A microelectromechanical system-based terahertz spiral metamaterial for pneumatic pressure sensing applications

Binghui Li and Yu-Sheng Lin*

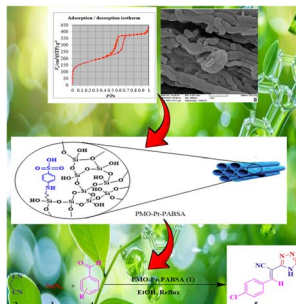
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and Julius Numbonui Ghogomu*

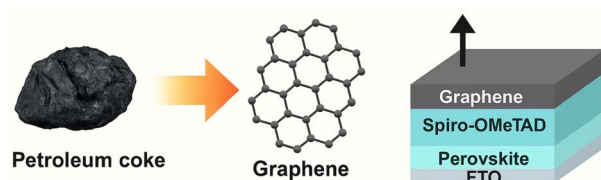
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Periodic mesoporous organosilica functionalized with *p*-aminobenzenesulfonic acid: an efficient solid acid catalyst for one-pot synthesis of 5-substituted 1H-tetrazoles under eco-friendly conditions

Hamidreza Fanimoghdam, Mohammad G. Dekamin*
and M. Reza Naimi-Jamal

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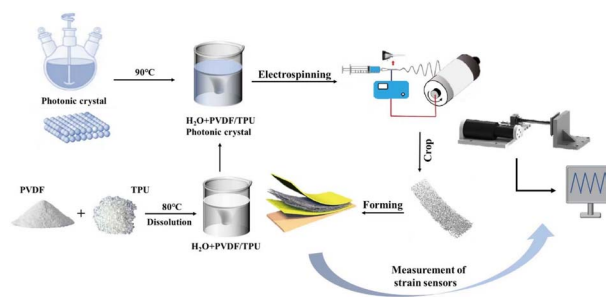
Petroleum coke-derived graphene as a low-cost electrode material for efficient perovskite solar cells

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Study of the impact of photonic crystal additives on the piezoresponse of PVDF nanofibers

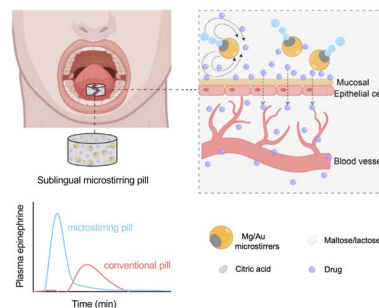
Qianqian Zhang, Neha Yadav, Yongling Wu,*
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Sublingual microrobotic pills for rapid and efficient drug delivery

Nelly Askarinam, Chuanrui Chen, Vivian Vo,
Michael Casares, Kyra Wu, Ethan Shen, Majd Iskandarani,
V́ctor de la Asunci3n-Nadal, An-Yi Chang,
Tomohiro Yamamoto, Janna Sofia Sage-Sepulveda,
Baha 3ndeş, Zhenning Zhou, Zike Yan, Jesse Qualliotine*
and Joseph Wang*



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Generation of optical frequency combs in optically injected integrated gain-switched semiconductor lasers and their applications in Doppler LIDAR

Yunshan Zhang, Yibing Chen, Mengxi Zhou, Yitong Liu,
Wenxuan Ma, Zeyu Gang, Zhenxing Sun, Jilin Zheng,*
Xiangfei Chen and Pu Li*

