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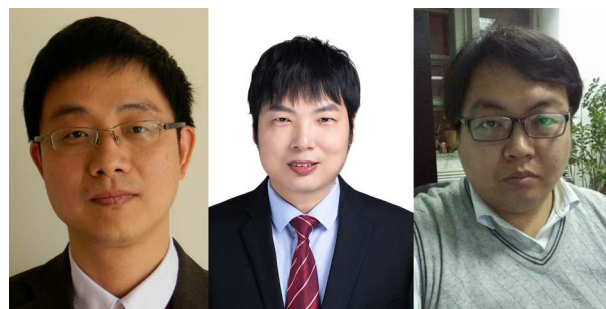
See Angela Lombardi, Flavia Nastro *et al.*, pp. 3533–3542.
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EDITORIAL

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Introduction to nanoclusters: from theory to application

Yi Gao,* Daojian Cheng* and Zhigang Wang*

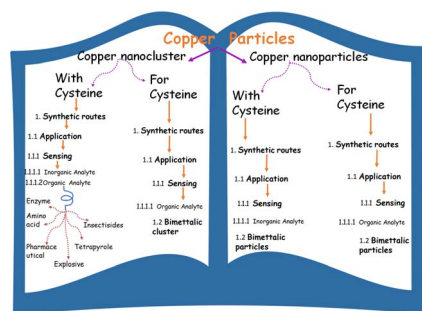


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Analytical developments in the synergism of copper particles and cysteine: a review

Priyanka Sharma, Mainak Ganguly* and Ankita Doi



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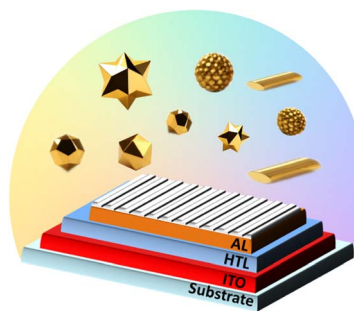
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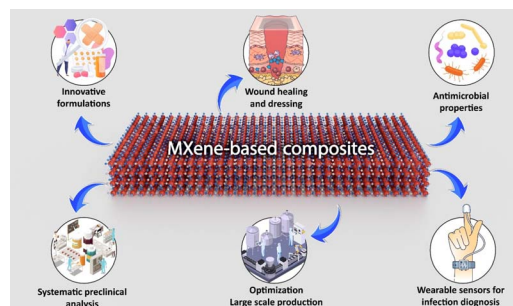
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Elemental answers

REVIEWS

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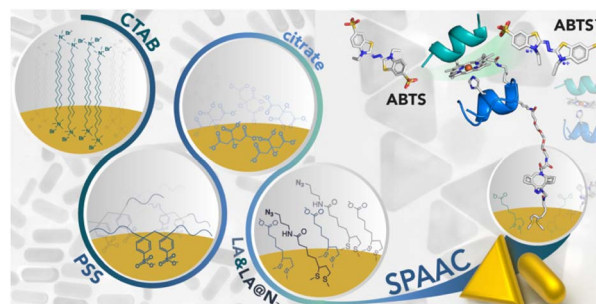
Gold nanostructures/quantum dots for the enhanced efficiency of organic solar cellsApichat Phengdaam,^{*} Sopit Phetsang, Sachiko Jonai, Kazunari Shinbo, Keizo Kato and Akira Baba^{*}

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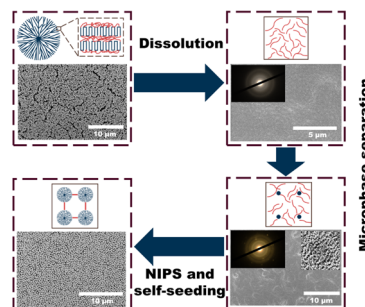
MXene-based composites in smart wound healing and dressingsAtefeh Zarepour, Nesa Rafati, Arezoo Khosravi,^{*} Navid Rabiee, Siavash Irvani^{*} and Ali Zarrabi^{*}

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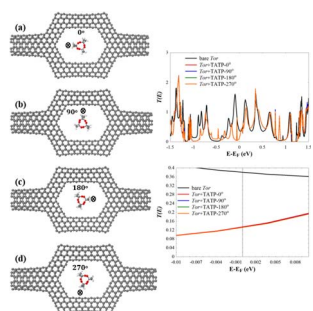
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Biohybrid materials comprising an artificial peroxidase and differently shaped gold nanoparticlesEmilia Renzi, Alessandra Esposito, Linda Leone, Miriam Chávez, Teresa Pineda, Angela Lombardi^{*} and Flavia Nastro^{*}

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Fabrication of nanoparticle array membranes by integrating semi-crystalline polymer self-assembly with NIPS for water treatmentYu Ma, Xiaoli Zhao^{*} and Bin He^{*}

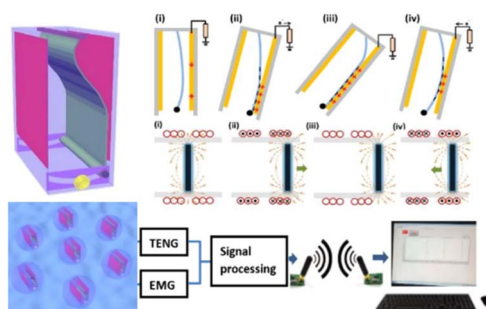
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Robust nanotube-based nanosensor designed for the detection of explosive molecules

Laith A. Algharagholy, Víctor Manuel García-Suárez* and Kareem Hasan Bardan

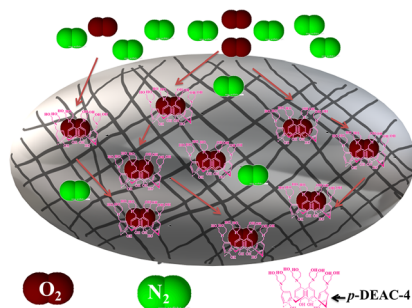
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Triboelectric–electromagnetic hybrid nanogenerator for harvesting blue energy and creating an ocean wave warning system

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Blue phosphorene on Au(111): theoretical, spectroscopic and diffraction analysis reveal the role of single Au adatoms

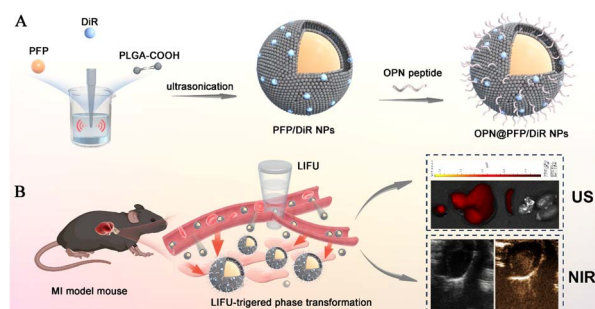
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A non-invasive osteopontin-targeted phase changeable fluorescent nanoprobe for molecular imaging of myocardial fibrosis

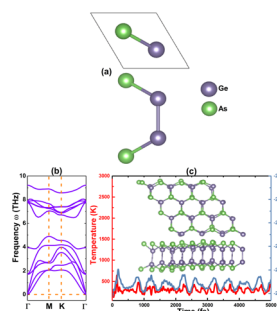
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Controlling the electronic and magnetic properties of the GeAs monolayer by generating Ge vacancies and doping with transition-metal atoms

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Pd NPs decorated on crosslinked sodium alginate modified iron-based metal-organic framework Fe(BTC) as a green multifunctional catalyst for the oxidative amidation

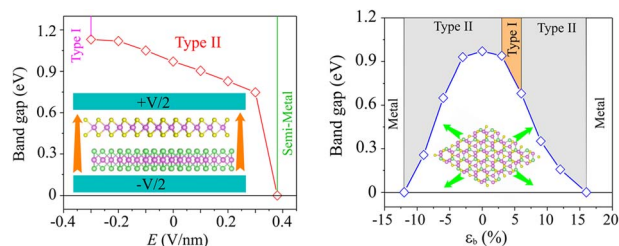
Samaneh Koosha, Ramin Ghorbani-Vaghei,* Sedigheh Alavinia, Rahman Karimi-Nami and Idris Karakaya



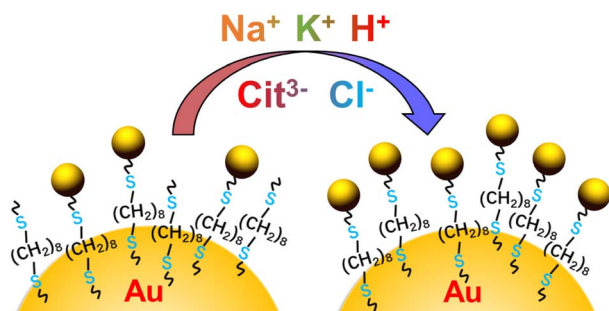
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First-principles investigations of the controllable electronic properties and contact types of type II MoTe₂/MoS₂ van der Waals heterostructures

Son T. Nguyen, Nguyen V. Hieu, Huy Le-Quoc, Kien Nguyen-Ba,* Chuong V. Nguyen, Huynh V. Phuc and Cuong Q. Nguyen*



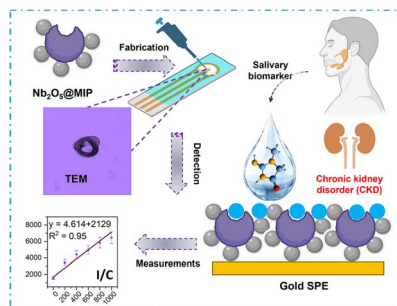
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Rapid formation of gold core–satellite nanostructures using Turkevich-synthesized satellites and dithiol linkers: the do's and don'ts for successful assembly

Runze Tang, Robert A. Hughes, Walker J. Tuff, Ana Corcoran and Svetlana Neretina*

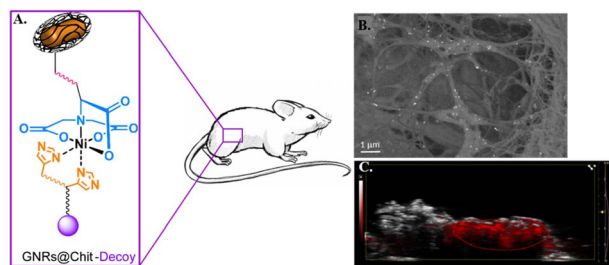
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Core–shell niobium(v) oxide@molecularly imprinted polythiophene nanoreceptors for transformative, real-time creatinine analysis

Zohaib Saddique, Maleeha Saeed, Muhammad Faheem, Sadia Z. Bajwa, Adnan Mujahid and Adeel Afzal*

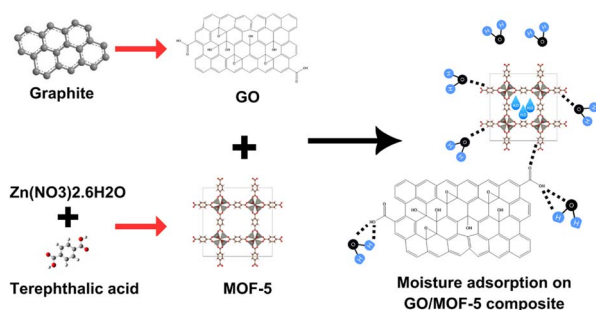
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Contrast enhanced photoacoustic detection of fibrillar collagen in the near infrared region-I

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A comparative study of moisture adsorption on GO, MOF-5, and GO/MOF-5 composite for applications in atmospheric water harvesting

Muhammad Saeed-Ul-Hassan, Muhammad Ehtisham, Ahmad K. Badawi, Asad Muhammad Khan, Rafaqat Ali Khan and Bushra Ismail*



CORRECTIONS

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Correction: Physical probing of quantum energy levels in a single indium arsenide (InAs) quantum dot

Moh'd Rezeq,* Yawar Abbas, Boyu Wen, Zbig Wasilewski and Dayan Ban*

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Correction: Improvements in properties of polybenzoxazine-based laser-induced graphene (LIG) by alloying with polyimide and modeling of production process

Ibrahim Lawan, Panuwat Luengrojankul, Krittapas Charoensuk, Hariharan Argunam, Cheol-Hee Ahn and Sarawut Rimdusit*

