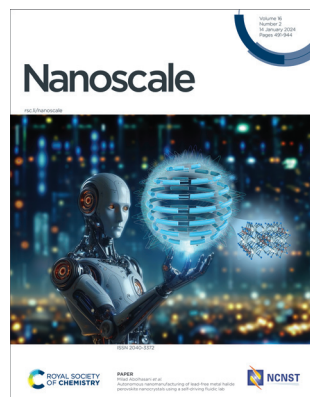


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See Milad Abolhasani *et al.*, pp. 580–591.

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Recent advances in two-dimensional intrinsic ferromagnetic materials Fe_3X ($\text{X}=\text{Ge}$ and Ga) Te_2 and their heterostructures for spintronics

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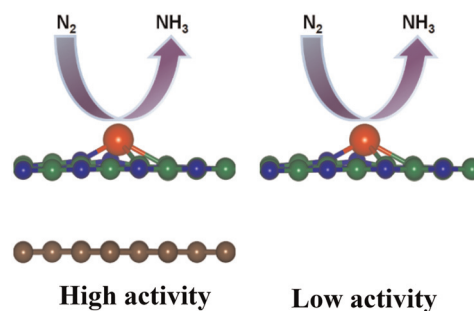
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Single-atom catalysts supported on a hybrid structure of boron nitride/graphene for efficient nitrogen fixation *via* synergistic interfacial interactions

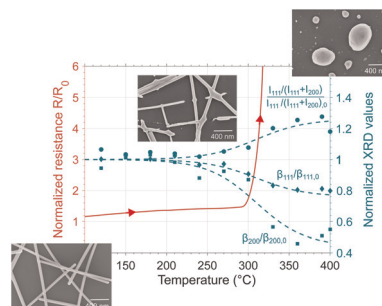
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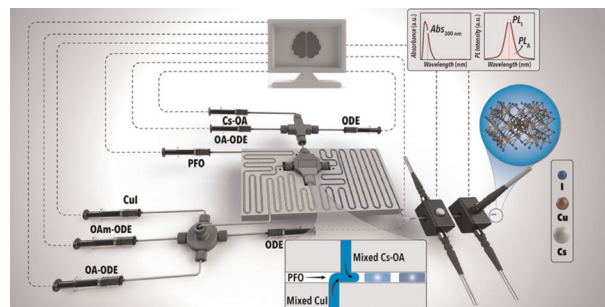


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Autonomous nanomanufacturing of lead-free metal halide perovskite nanocrystals using a self-driving fluidic lab

Sina Sadeghi, Fazel Bateni, Taekhoon Kim, Dae Yong Son, Jeffrey A. Bennett, Negin Orouji, Venkat S. Punati, Christine Stark, Teagan D. Cerra, Rami Awad, Fernando Delgado-Licona, Jinge Xu, Nikolai Mukhin, Hannah Dickerson, Kristofer G. Reyes and Milad Abolhasani



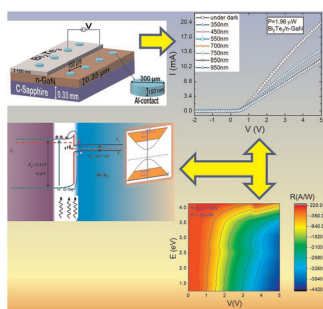
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Not all silicon quantum dots are equal: photostability of silicon quantum dots with and without a thick amorphous shell

I Teng Cheong, LiYifan Yang Szepesvari, Chuyi Ni, Cole Butler, Kevin M. O'Connor, Riley Hooper, Alkiviathes Meldrum and Jonathan G. C. Veinot



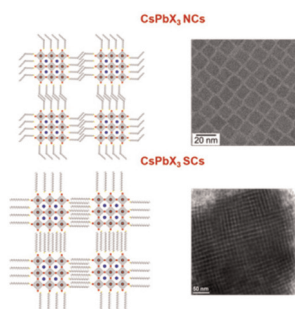
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Aberrant photoelectric effect in the topological insulator/n-GaN heterojunction ($\text{Bi}_2\text{Te}_3/\text{n-GaN}$) under unpolarized illumination

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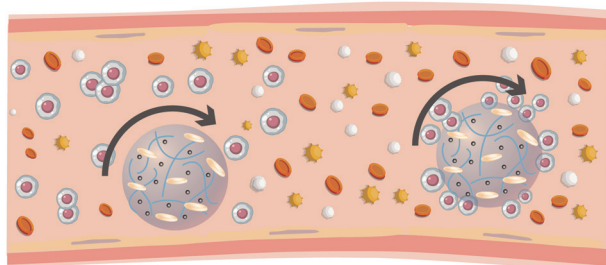
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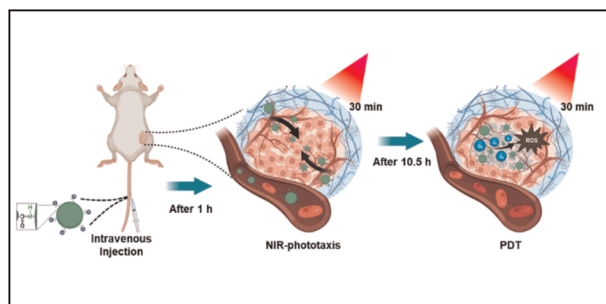
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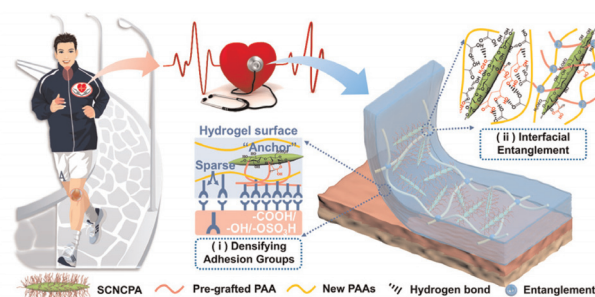


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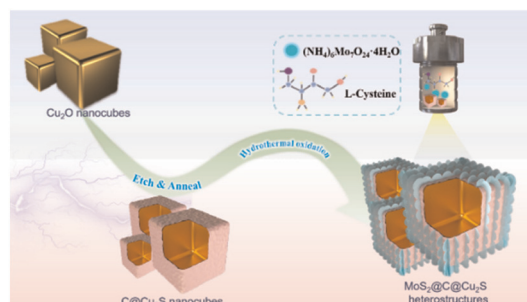
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Novel hollow $\text{MoS}_2\text{@C@Cu}_2\text{S}$ heterostructures for high zinc storage performance

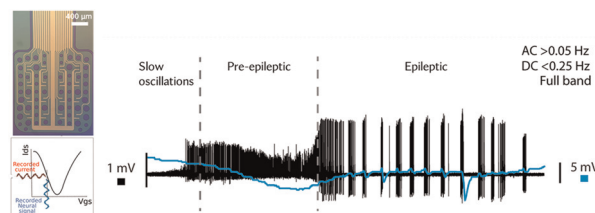
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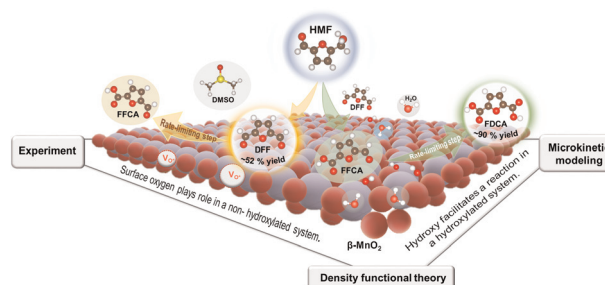
Nathalia Cancino-Fuentes, Arnau Manasanch, Joana Covelo, Alex Suarez-Perez, Enrique Fernandez, Stratis Matsoukis, Christoph Guger, Xavi Illa, Anton Guimerà-Brunet and Maria V. Sanchez-Vives



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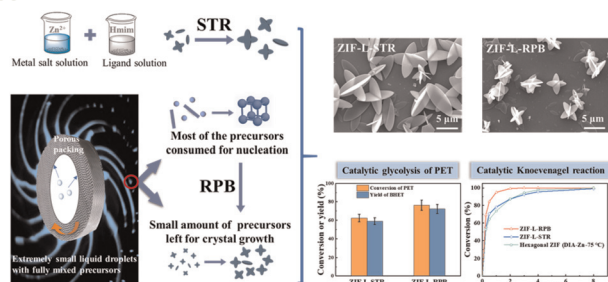
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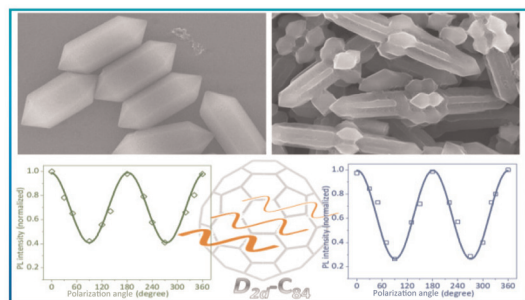
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The controllable and efficient synthesis of two-dimensional metal–organic framework nanosheets for heterogeneous catalysis

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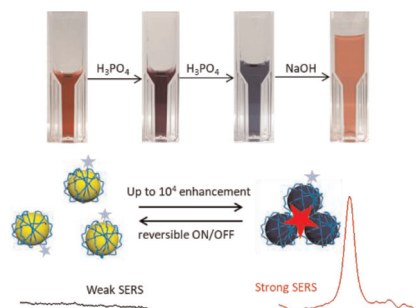
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Crystalline architectures of C₈₄ with tunable morphology and linearly polarized red emission

Feng Wang, Botao Zhu, Jie Xiong, Shuo Wu, Jiaxin Sun, Hailin Cong* and Lai Feng

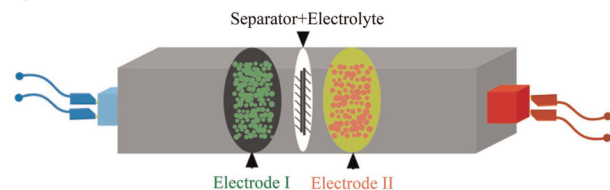
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Unlocking the full potential of citric acid-synthesized carbon dots as a supercapacitor electrode material *via* surface functionalization

Melis Özge Alaş Çolak, Ahmet Güngör, Merve Buldu Akturk, Emre Erdem* and Rükan Genç

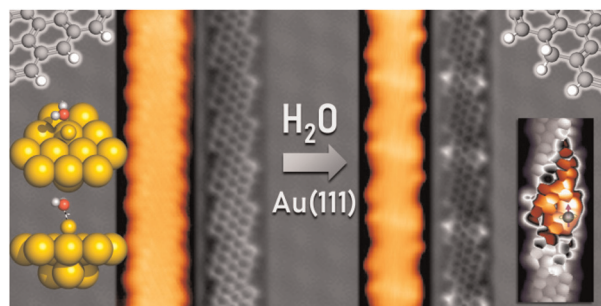


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The effect of water on gold supported chiral graphene nanoribbons: rupture of conjugation by an alternating hydrogenation pattern

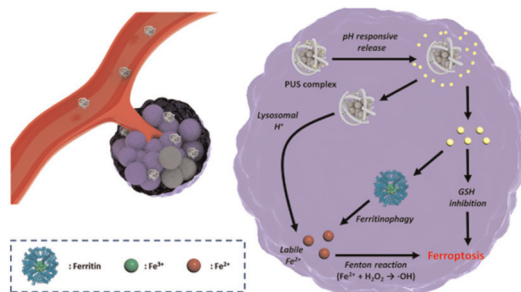
Alejandro Berdonces-Layunta, Adam Matěj, Alejandro Jiménez-Martín, James Lawrence, Mohammed S. G. Mohammed, Tao Wang, Benjamin Mallada, Bruno de la Torre, Adrián Martínez, Manuel Vilas-Varela, Reed Nieman, Hans Lischka, Dana Nachtigallová, Diego Peña, Pavel Jelínek* and Dimas G. de Oteyza



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A polymeric iron oxide nanocomplex loaded with sulfasalazine: an approach for inducing ferritinophagy-assisted ferroptosis for anti-cancer therapy

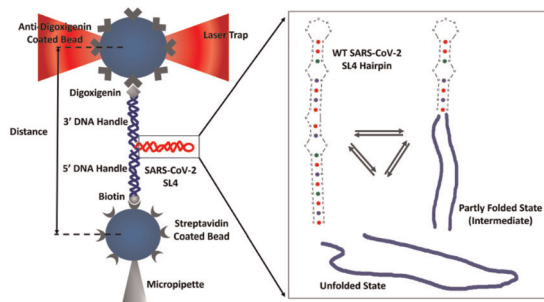
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Exploring the conformational dynamics of the SARS-CoV-2 SL4 hairpin by combining optical tweezers and base analogues

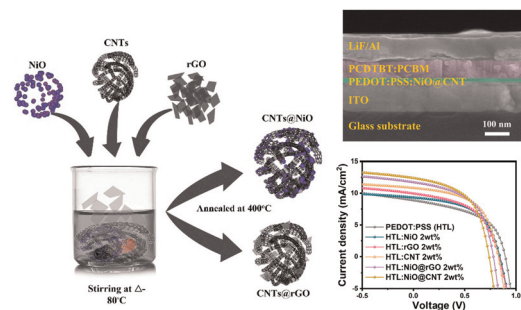
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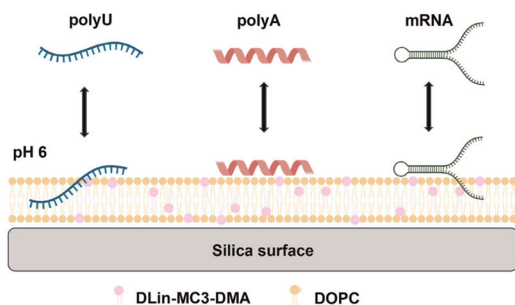
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Metal oxide-embedded carbon-based materials for polymer solar cells and X-ray detectors

Sikandar Aftab, Hailiang Liu, Dhanasekaran Vikraman, Sajjad Hussain, Jungwon Kang* and Abdullah A. Al-Kahtani



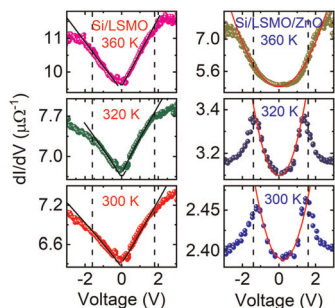
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Jennifer Gilbert, Inna Ermilova, Marco Fornasier, Maximilian Skoda, Giovanna Fragneto, Jan Swenson and Tommy Nylander

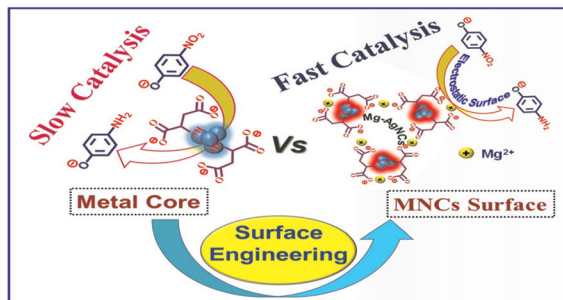
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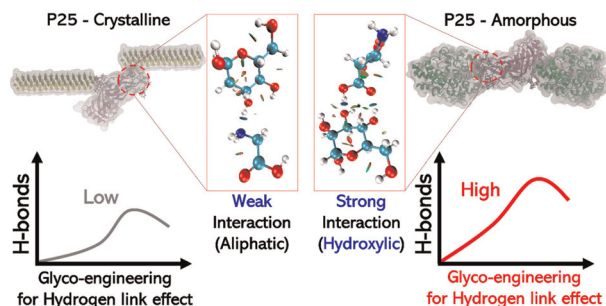
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An atomistic scale simulation study of structural properties in the silk–fibrohexamerin complex

Wooboom Park, Taeyoung Yoon, Hyunjoon Chang, Juneseok You* and Sungsoo Na

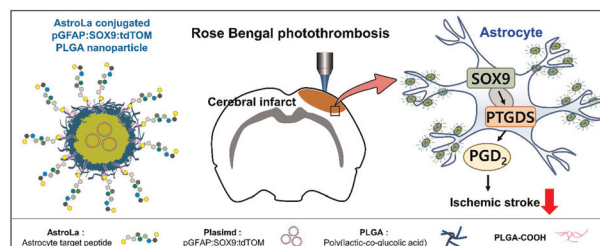


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Peptide-mediated targeted delivery of SOX9 nanoparticles into astrocytes ameliorates ischemic brain injury

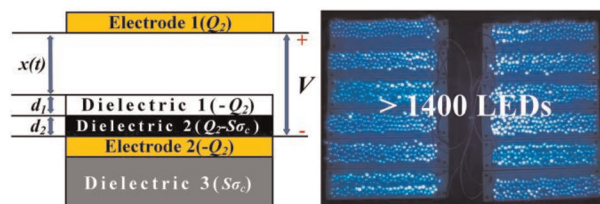
Hyo Jung Shin, Seung Gyu Choi, Fengrui Qu, Min-Hee Yi, Choong-Hyun Lee, Sang Ryong Kim, Hyeong-Geug Kim, Jaewon Beom, Yoonyoung Yi, Do Kyung Kim, Eun-Hye Joe, Hee-Jung Song, Yonghyun Kim* and Dong Woon Kim



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A new triboelectric nanogenerator based on a multi-material stacking structure achieves efficient power conversion from discrete mechanical movement

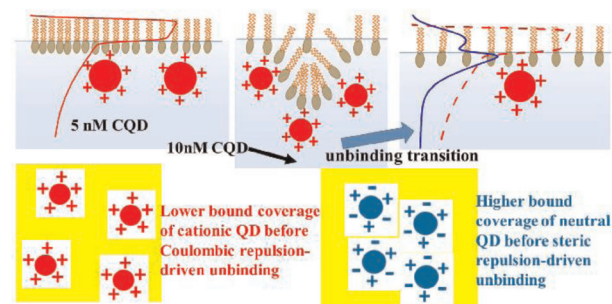
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Spontaneous unbinding transition of nanoparticles adsorbing onto biomembranes: interplay of electrostatics and crowding

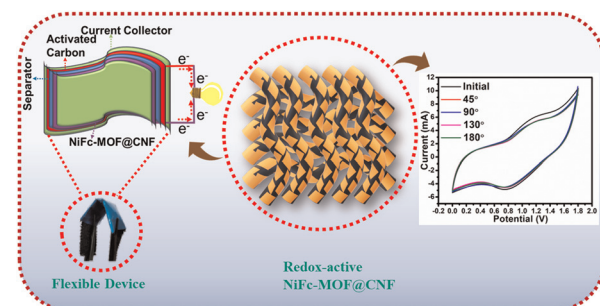
Anurag Chaudhury, Koushik Debnath, Nikhil R. Jana and Jaydeep K. Basu



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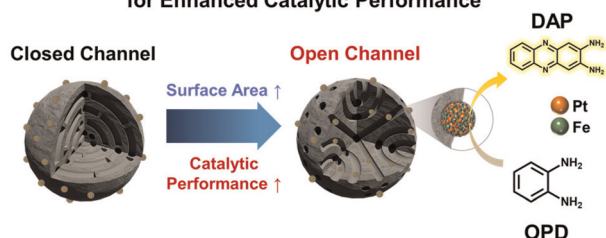
In situ growth of a redox-active metal–organic framework on electrospun carbon nanofibers as a free-standing electrode for flexible energy storage devices

Zahir Abbas, Nissar Hussain, Surender Kumar and Shaikh M. Mobin



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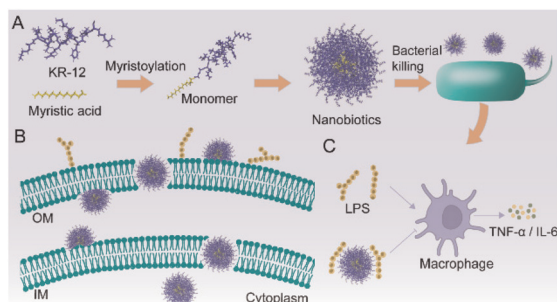
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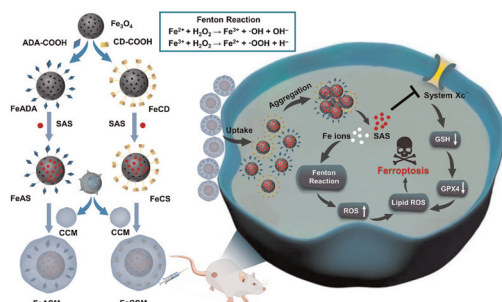
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Turning cationic antimicrobial peptide KR-12 into self-assembled nanobiotics with potent bacterial killing and LPS neutralizing activities

Ruyi Lei, Chujun Yang, Yaqi Sun, Dejian Li, Liman Hao, Yang Li, Shuijing Wu, Hui Li, Chao Lan* and Xiangming Fang

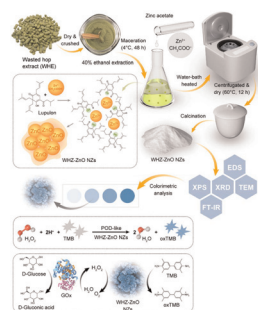
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Intracellular self-aggregation of biomimetic Fe₃O₄ nanoparticles for enhanced ferroptosis-inducing therapy of breast cancer

Zhendong Zhang, Beibei Xie, Xiaojie Lu, Lishan Xiong, Xinyuan Li, Yan Zhang, Chunlai Li* and Chenhui Wang

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Facile green synthesis of wasted hop-based zinc oxide nanozymes as peroxidase-like catalysts for colorimetric analysis

Pei Liu, Mengdi Liang, Zhengwei Liu, Haiyu Long, Han Cheng, Jiahe Su, Zhongbiao Tan, Xuewen He, Min Sun, Xiangqian Li and Shuai He

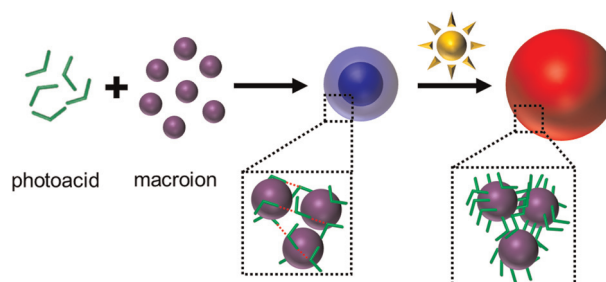


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Photoacid-macroion assemblies: how photo-excitation switches the size of nano-objects

Alexander Zika, Mohit Agarwal, Wiebke Zika, Dirk M. Guldi, Ralf Schweins and Franziska Gröhn



CORRECTION

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Correction: Elaborating the interplay between the detecting unit and emitting unit in infrared quantum dot up-conversion photodetectors

Qiulei Xua, Xinxin Yang, Jiao Jiao Liu, Fei Li, Ruiguang Chang, Lei Wang, A Qiang Wang, Zhenghui Wu, Huaibin Shen and Zuliang Du

