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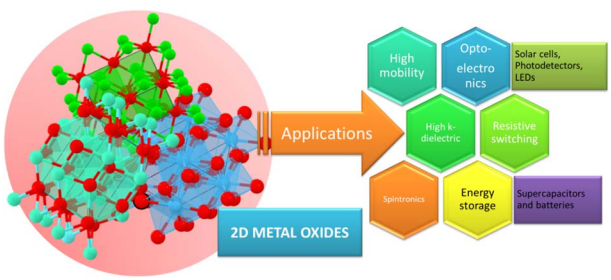
EDITORIAL

REVIEW



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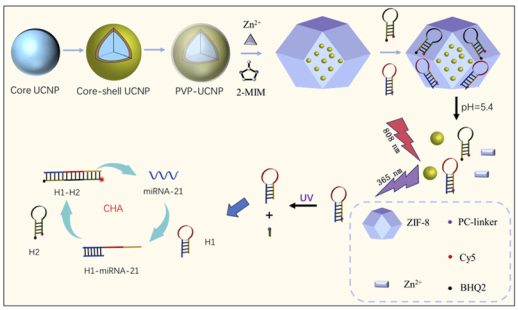

A catalytic hairpin amplification platform triggered by near-infrared light and logic assembly for sensitive detection of microRNAs

Ruiqi Chen, Bin Qiu, Chen Chen and Mingyuan Chen*

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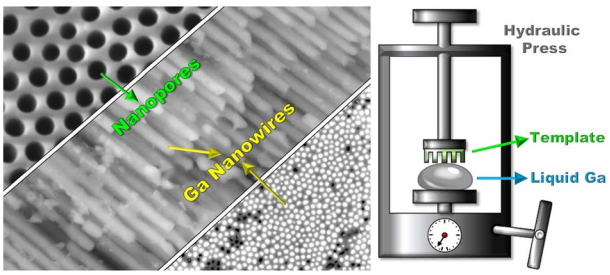

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Alberto A. Mendonça,* Leonardo Tomiatti, Kleber R. Pirota and Fanny Béron*

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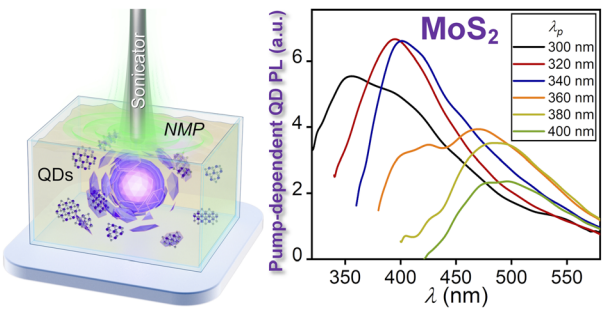

Photoluminescence of 2D and 3D quantum dots synthesized by laser-ultrasonic treatment on van der Waals materials

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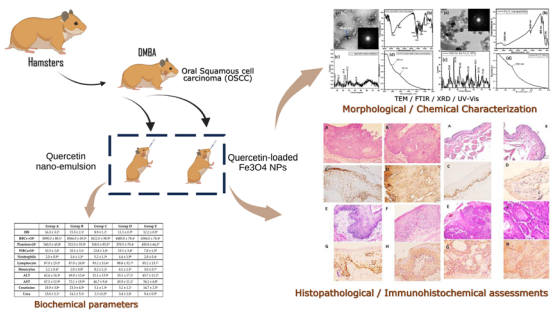

Synthesis of a nano-emulsion of quercetin encapsulated vitamin E conjugated iron oxide nanoparticles for the systemic phyto-preventive effect: characterization and oral cancer application

Merhan N. El-Mansy, Zeyad M. Hamdy, Ahmed E. Abdelsamie and Ola M. El-Borady*

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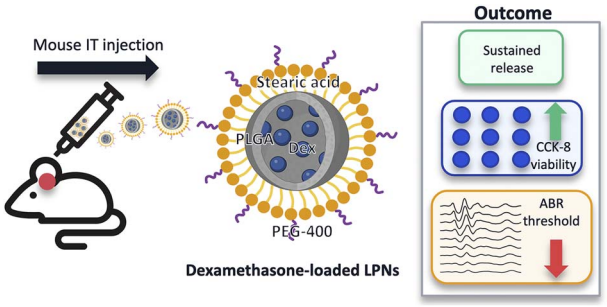

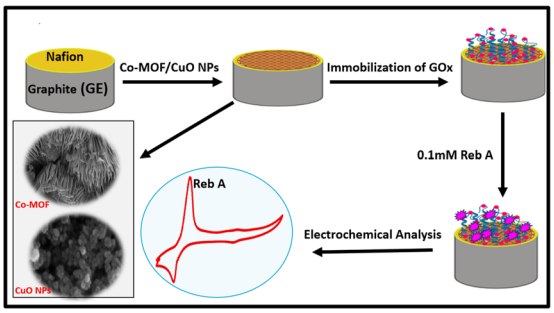

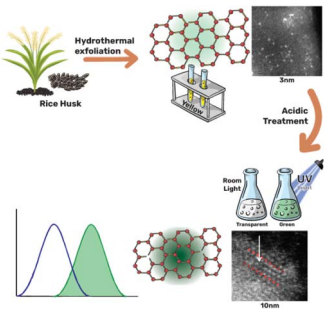

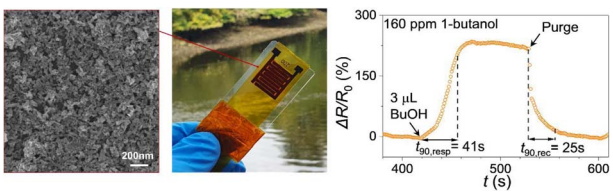

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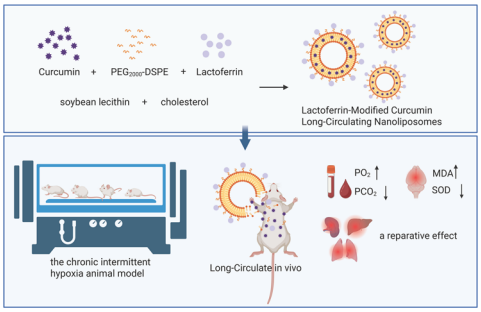

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Yu Xue, Jinjie Liu, Faisal Raza, Hajra Zafar, Hong Zhao, Ran Li and Zanhua Liu*

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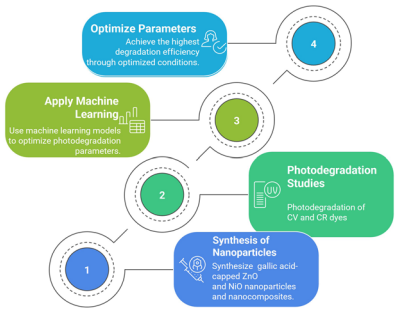

Antioxidant potential and increased photocatalytic efficiency of gallic acid-capped ZnO and NiO NPs for azo dye degradation: effect of heterojunction coupling and machine learning-assisted modeling

Aqeela Sikandar, Abu Bakar Siddique,* Azhar Abbas, Abdul Majid, Bilal Sikandar, Muhammad Ashraf Shaheen, Umar Nishan and Khaled Fahmi Fawy

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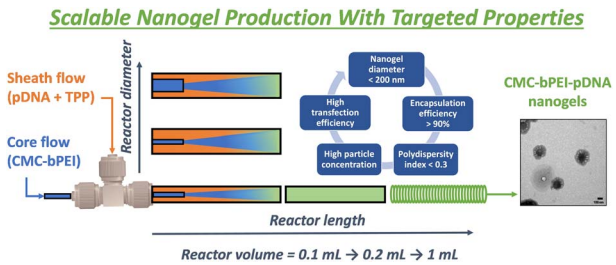

Microfluidic engineering of pDNA nanogels in a coaxial flow reactor: process development, optimisation, scalability and *in vitro* performance

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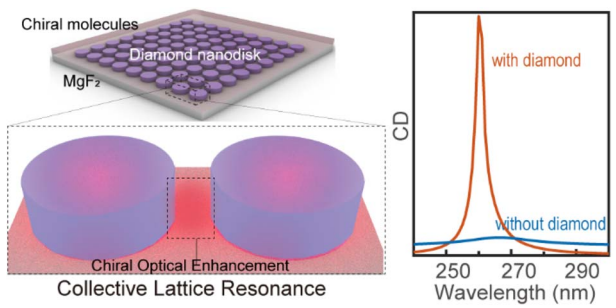

Enhancement of deep ultraviolet chiral molecular sensing performance by collective lattice resonances of diamond nanostructure arrays

Shengsui Cai, Jing Wang,* Wenxuan Liu, Zhaolong Cao, Huanjun Chen, Lei Shao* and Shaozhi Deng

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