

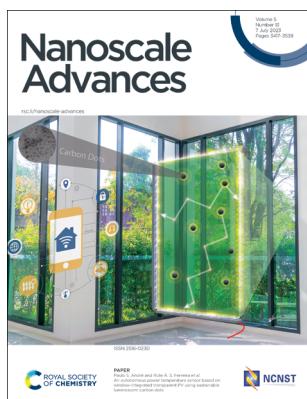
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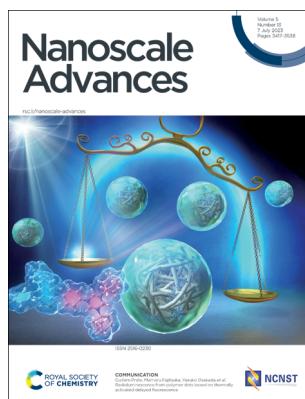
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See Paulo S. André and Rute A. S. Ferreira *et al.*, pp. 3428–3438. Image reproduced by permission of Dr Rute Ferreira from *Nanoscale Adv.*, 2023, 5, 3428.



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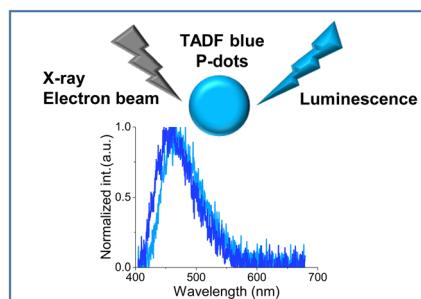
See Guillem Pratx, Mamoru Fujitsuka, Yasuko Osaka *et al.*, pp. 3424–3427. Image reproduced by permission of Dr Yasuko Osaka from *Nanoscale Adv.*, 2023, 5, 3424.

COMMUNICATION

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Radioluminescence from polymer dots based on thermally activated delayed fluorescence

Daiki Asanuma, Hieu Thi Minh Nguyen, Zuoyue Liu, Sachiko Tojo, Hajime Shigemitsu, Minoru Yamaji, Kiyohiko Kawai, Tadashi Mori, Toshiyuki Kida, Guillem Pratx,* Mamoru Fujitsuka* and Yasuko Osaka*

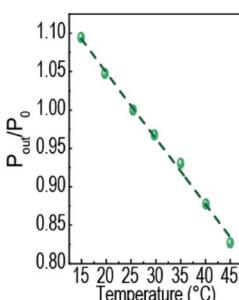
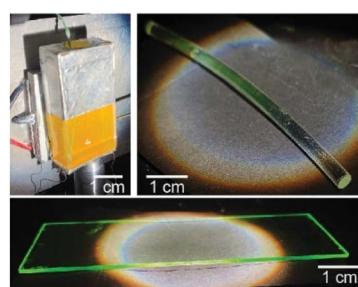


PAPERS

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An autonomous power temperature sensor based on window-integrated transparent PV using sustainable luminescent carbon dots

Sandra F. H. Correia,* Lianshe Fu, Lília M. S. Dias, Rui F. P. Pereira, V. de Zea Bermudez, Paulo S. André and Rute A. S. Ferreira*



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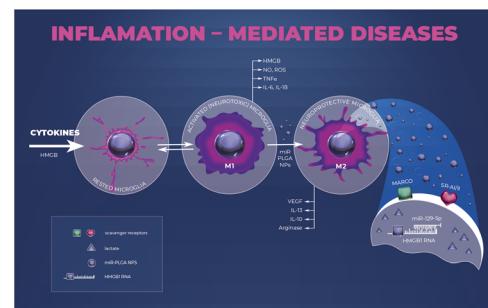


PAPERS

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Optimization and characterization of miRNA-129-5p-encapsulated poly (lactic-co-glycolic acid) nanoparticles to reprogram activated microglia

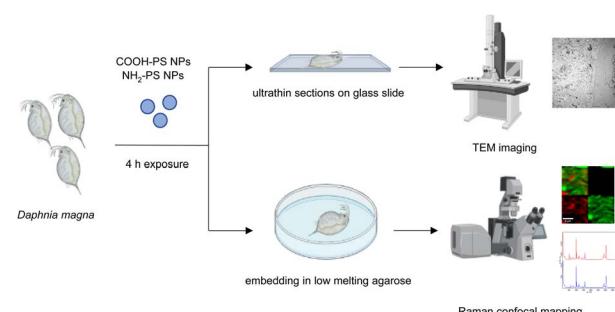
Irina Kalashnikova, Heather Cambell, Daniel Kolpek and Jonghyuck Park*



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Label-free detection of polystyrene nanoparticles in *Daphnia magna* using Raman confocal mapping

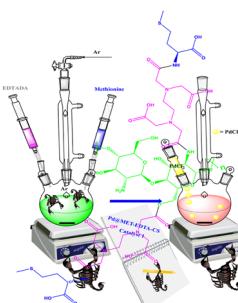
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Supramolecular Pd@methioine-EDTA-chitosan nanocomposite: an effective and recyclable bio-based and eco-friendly catalyst for the green Heck cross-coupling reaction under mild conditions

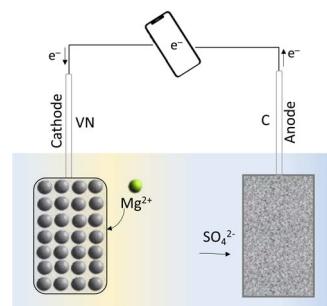
Mohammad Dohendou, Mohammad G. Dekamin* and Danial Namaki



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Superior cyclability of high surface area vanadium nitride in salt electrolytes

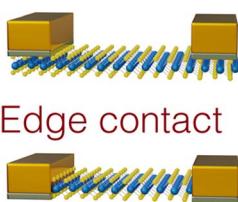
James Kasten, Cheng-Che Hsiao, Denis Johnson and Abdoulaye Djire*



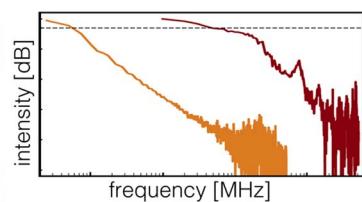
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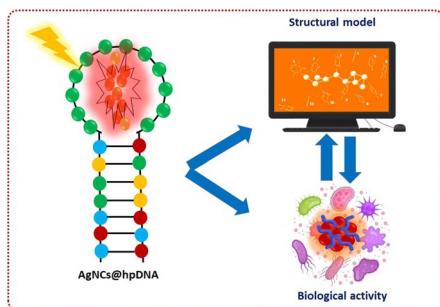


Bandwidth

Edge contacts accelerate the response of MoS_2 photodetectors

Fabian Strauß, Christine Schedel and Marcus Scheele*

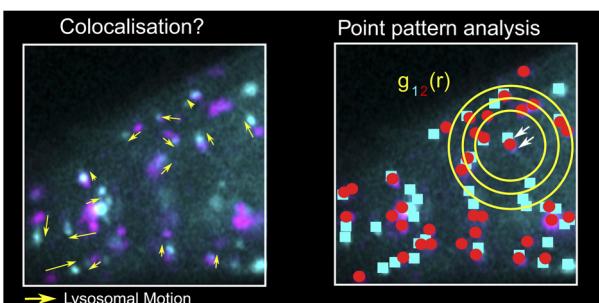
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Optical, structural, and biological properties of silver nanoclusters formed within the loop of a C-12 hairpin sequence

Akhilesh Kumar Gupta, Nolan Marshall, Liam Yourston, Lewis Rolband, Damian Beasock, Leyla Danai, Elizabeth Skelly, Kirill A. Afonin and Alexey V. Krasnoslobodtsev*

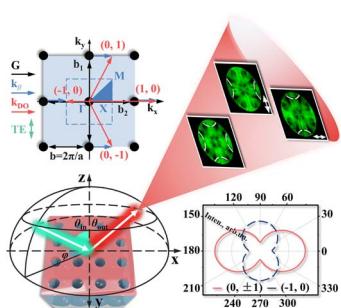
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Identification of nanoparticles as vesicular cargo via Airy scanning fluorescence microscopy and spatial statistics

Christian Wimmenauer and Thomas Heinzel*

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Direction- and polarization-tunable spontaneous emission beneficial from diffraction orders of a square R6G-nanopore array

Shijia He, Yi Wang,* Tianyu Wang, Dongda Wu, Junqiao La, Jiang Hu, Jiamin Xiao and Wenxin Wang*



PAPERS

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A tube-like Pd@coordination polymer with enhanced solar light harvesting for boosting photocatalytic H₂ production in a wide pH range and seawater

Jieling Li, Shihao Sun, Ningshuang Gao, Hua Li, Kun Liang,* Jun Hai, Suisui He, Xijiao Mu* and Baodui Wang*

