

Environmental Science Nano

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See Swaroop Chakraborty, Peng Zhang, Superb K. Misra *et al.*, pp. 1553–1569. Image reproduced by permission of Superb K. Misra from *Environ. Sci.: Nano*, 2023, 10, 1553.



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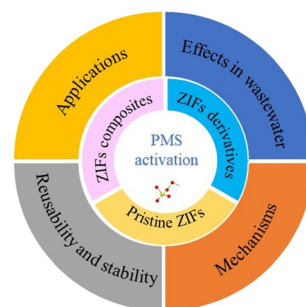
See Yaqi You *et al.*, pp. 1570–1584. Image reproduced by permission of Yaqi You from *Environ. Sci.: Nano*, 2023, 10, 1570.

CRITICAL REVIEW

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Degradation of organic contaminants by peroxymonosulfate activated with zeolitic imidazolate framework-based catalysts: performances, mechanisms and stability

Chao Guo, Min Cheng,* Gaoxia Zhang,* Weiping Xiong, Chengyun Zhou, Biao Song, Li Du, Ling Li, Chensi Tang, Guangfu Wang and Hongda Liu

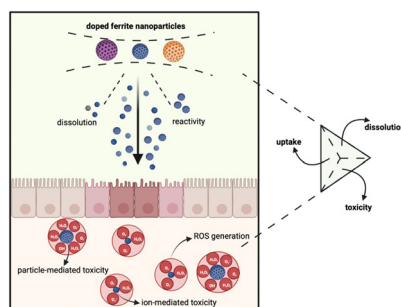


PAPERS

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Does the doping strategy of ferrite nanoparticles create a correlation between reactivity and toxicity?

Swaroop Chakraborty,* Dhruv Menon, Venkata Sai Akhil Varri, Manish Sahoo, Raghavan Ranganathan, Peng Zhang* and Superb K. Misra*



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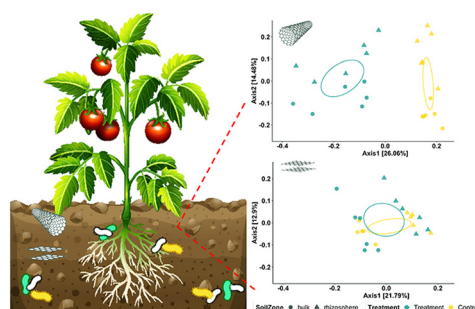


PAPERS

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Emerging investigator series: differential effects of carbon nanotubes and graphene on the tomato rhizosphere microbiome

Yaqi You,* Patricia Kerner, Sudha Shanmugam and Mariya V. Khodakovskaya



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Interactions between cerium dioxide nanoparticles and arsenite change their biological fate in the gastrointestinal tract of mice

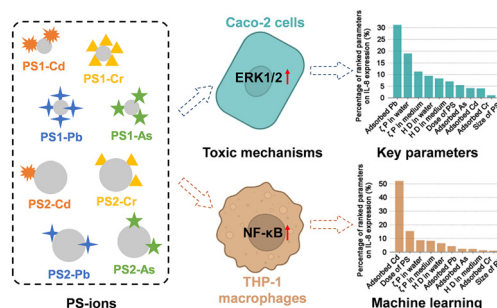
Yingyan Huang, Judy Tsz-Shan Lum, Wai-Kit Ho and Kelvin Sze-Yin Leung*



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Inflammatory responses induced by synergistic actions between nanoplastics and typical heavy metal ions in human cells

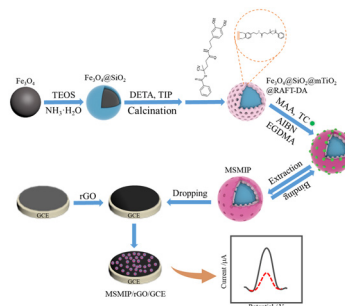
Cong Li, Xinxin Huang, Weicui Min, Huoqing Zhong, Xiliang Yan, Yan Gao, Jianqiao Wang, Hongyu Zhou* and Bing Yan*



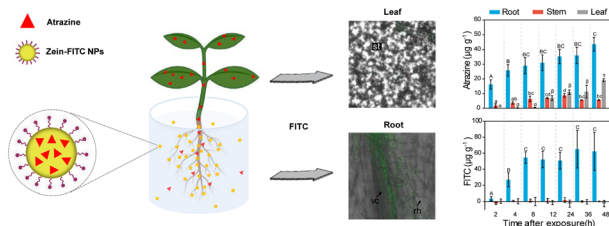
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A novel surface molecularly imprinted polymer electrochemical sensor based on porous magnetic TiO₂ for highly sensitive and selective detection of tetracycline

Yanming Shao,* Rui Zheng, Peng Wang, Yunhe Li, Zhizhen Zhao, Jun An, Caifeng Hao and Mengyi Kang



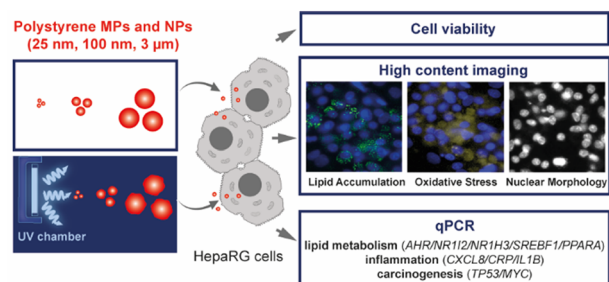
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Pre-emergence herbicidal efficiency and uptake of atrazine-loaded zein nanoparticles: a sustainable alternative to weed control

Lucas Bragança Carvalho, Isabela Silva Godoy, Ana Cristina Preisler, Patrícia Luiza de Freitas Proença, Telma Saraiva-Santos, Waldiceu Aparecido Verri Jr, Halley Caixeta Oliveira, Giliardi Dalazen and Leonardo Fernandes Fraceto*

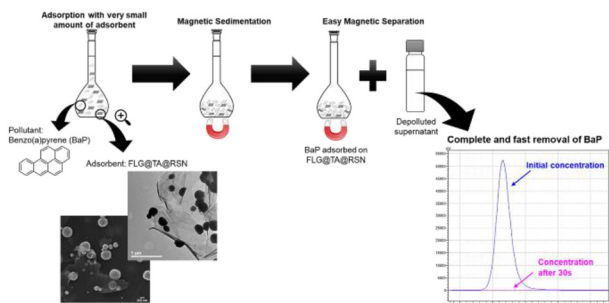
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Environmentally relevant UV-light weathering of polystyrene micro- and nanoplastics promotes hepatotoxicity in a human cell line

Felix H. Englert, Fabrice A. Mueller, Battuja Dugershaw-Kurzer, Vera M. Kissling, Sarah Boentges, Govind S. Gupta, Gabriele A. Fontana, Sabine Diedrich, Laura Suter-Dick, Shana J. Sturla and Tina Buerki-Thurnherr*

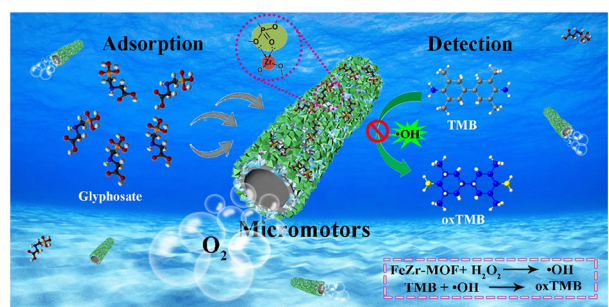
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Magnetic few-layer graphene nanocomposites for the highly efficient removal of benzo(a)pyrene from water

Joana Vaz-Ramos, Dominique Bégin, Paula Duenas-Ramirez, Anaïs Becker, Mathieu Galmiche, Maurice Millet, Sylvie Bégin-Colin* and Stéphane Le Calvé*

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Biomass-derived 3D hierarchical Zr-based tubular magnetomotors with peroxidase-like properties for selective colorimetric detection and specific decontamination of glyphosate at neutral pH

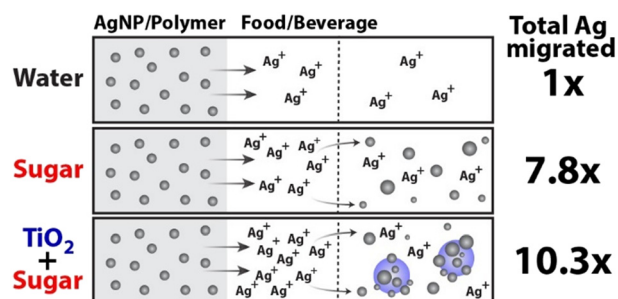
Wenning Yang, Yangsai Lyu, Ziwei Lan, Jia Li* and Dickon H. L. Ng



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Titanium dioxide and table sugar enhance the leaching of silver out of nanosilver packaging

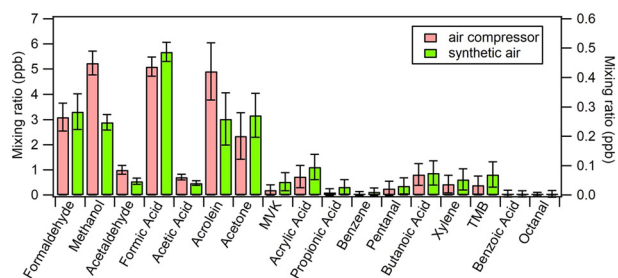
Tianxi Yang Laxmi Adhikari, Teena Paulose, Reiner Bleher and Timothy V. Duncan*



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Julien Morin, Gregory Brochard, Virgine Bergé, Aurélie Rosset, Sébastien Artous, Simon Clavaguera, Rafal S. Strekowski and Henri Wortham*



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Study of routine metabolism and acute toxicity of mycogenic silver nanoparticles on *Palaemon pandaliformis* (shrimp)

Luiz Gustavo Ribeiro, Karina Fernandes Oliveira Rezende, Edison Barbieri* and Ana Olívia de Souza*

