

Environmental Science Water Research & Technology

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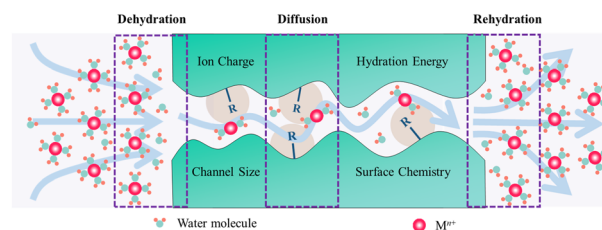
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TUTORIAL REVIEW

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Mechanism of lithium ion selectivity through membranes: a brief review

Jian Zhang, Qiang Gao, Bo Han* and Chenggang Zhou

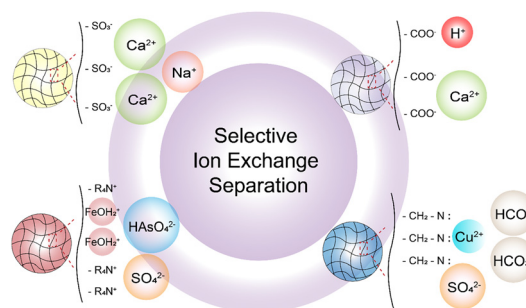


CRITICAL REVIEWS

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Ion exchange enabled selective separation from decontamination to desalination to decarbonization: recent advances and opportunities

Dian Wang, Yunhao Zhang, Hang Dong,* Hao Chen and Arup SenGupta*



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Elemental answers

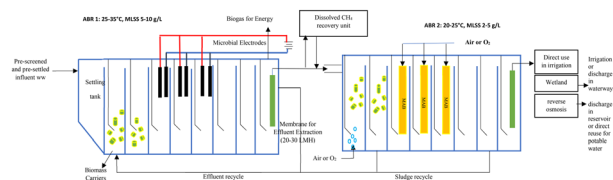
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CRITICAL REVIEWS

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A review of modified and hybrid anaerobic baffled reactors for municipal wastewater treatment with a focus on emerging contaminants

Poh Lin Lau and Antoine P. Trzcinski*

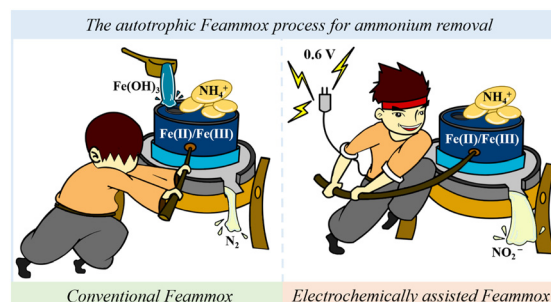


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Bioelectrochemically enhanced autotrophic Feammox for ammonium removal via the Fe(II)/Fe(III) cycle

Tuo Wang, Jiayao Zhang, Ziyuan Wang, Qian Zhao, Yue Wu, Nan Li, Xinlei Jiang* and Xin Wang*



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Efficient solar-driven steam generation for clean water production using a low-cost and scalable natural rubber composite sponge

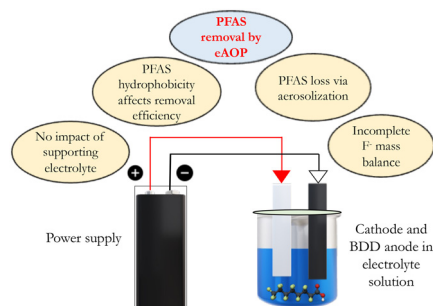
Parichart Onsri, Piyatida Thaveemas, Pongthep Prajongtat, Whijitra Suvandee, Supanna Techasakul, Laemthong Chuenchom* and Decha Dechtrirat*



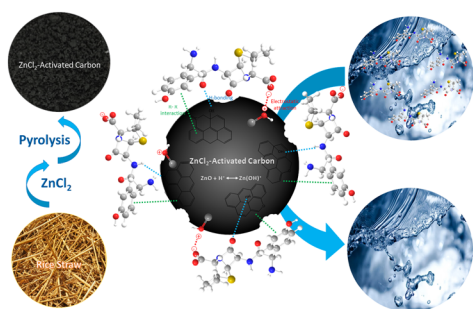
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Effect of chain length, electrolyte composition and aerosolization on the removal of per- and polyfluoroalkyl substances during electrochemical oxidation

Kaushik Londhe and Arjun K. Venkatesan*



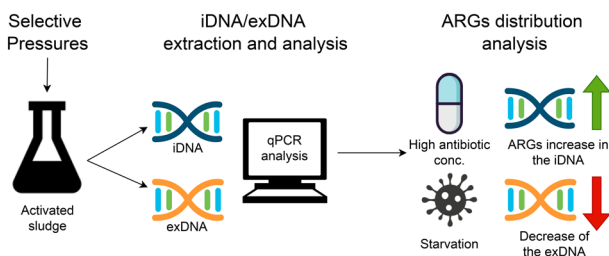
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ZnCl₂ activated mesoporous carbon from rice straw: optimization of its synthetic process and its application as a highly efficient adsorbent for amoxicillin

Suwiwat Sangon, Kanokwan Kotebantao, Theerakan Suyala, Yuvarat Ngernyen, Andrew J. Hunt and Nontipa Supanchaiyamat*

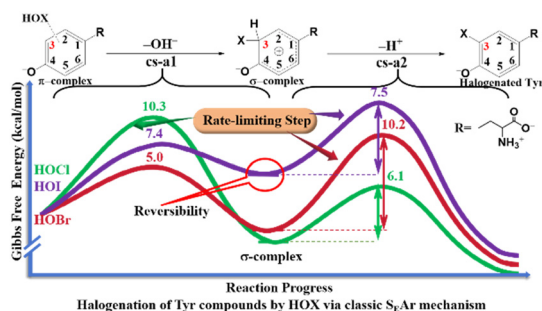
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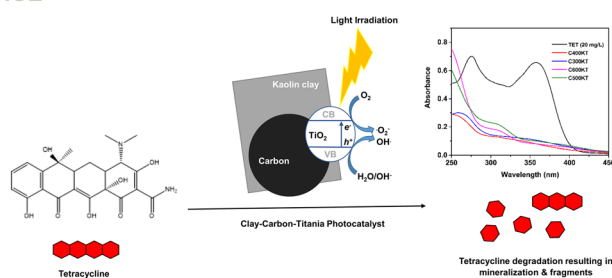
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New insights into the iodination mechanism of tyrosine and its dipeptides and comparison with chlorination and bromination reactions

Yue Qiu, Yong Dong Liu* and Rugang Zhong

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Orange peel biochar/clay/titania composites: low cost, high performance, and easy-to-reuse photocatalysts for the degradation of tetracycline in water

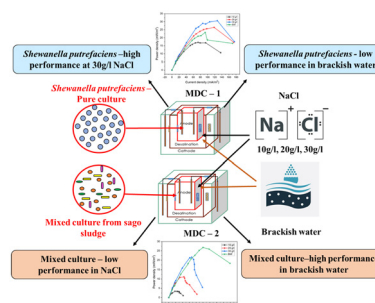
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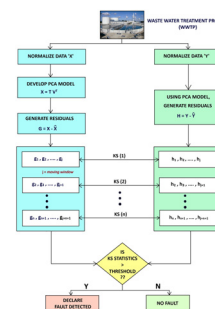
Sandhya Prakash, Samsudeen Naina Mohamed and Kalaichelvi Ponnusamy*



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Enhanced data-driven monitoring of wastewater treatment plants using the Kolmogorov–Smirnov test

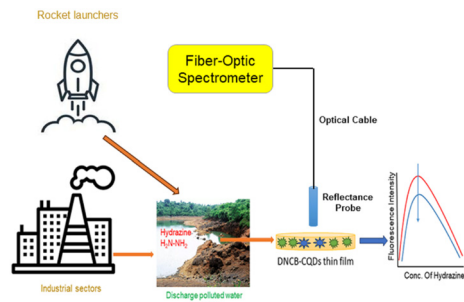
K. Ramakrishna Kini, Fouzi Harrou,* Muddu Madakyaru* and Ying Sun



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Fiber-optic thin film chemical sensor of 2,4 dinitro-1-chlorobenzene and carbon quantum dots for the point-of-care detection of hydrazine in water samples

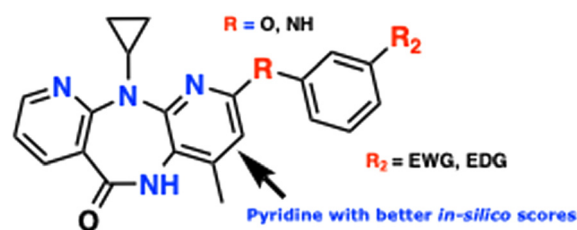
Tanmay Vyas, Hritik Kumar, Gunjan Nagpure and Abhijeet Joshi*



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Artificial neural network-based QSAR model for predicting degradation techniques of pharmaceutical contaminants in water bodies with experimental verification

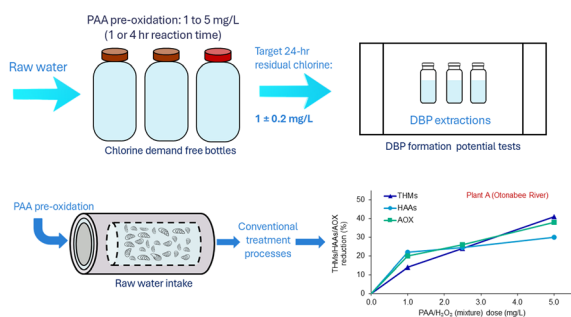
Jhon Alex González-Amaya, Andrea Nadith Niño-Colmenares, Andrés Felipe Cárdenas-Rodríguez and James Guevara-Pulido*



Affinity = -10kcal/mol to -10.5kcal/mol
IC₅₀ Predicted = 0.23 nm to 0.33 nm



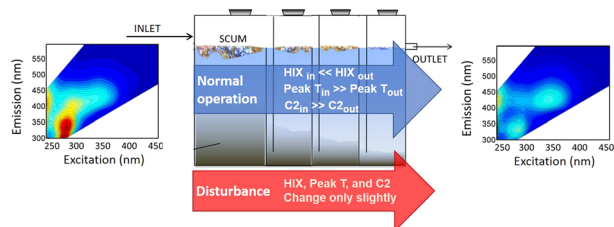
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Peracetic acid to reduce disinfection by-product formation in drinking water

Subhajit Mondal,* Erin Mackey and Ron Hofmann

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Tracking performance and disturbance in decentralized wastewater treatment systems with fluorescence spectroscopy

Natalie Mladenov,* Scott Sanfilippo, Laura Panduro, Chelsi Pascua, Armando Arteaga and Bjoern Pietruschka

