

Environmental Science Water Research & Technology

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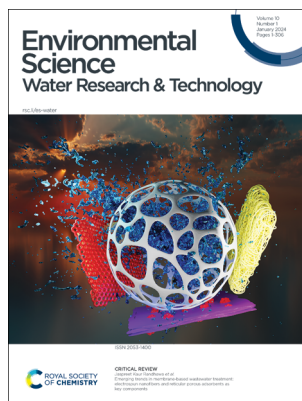
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IN THIS ISSUE

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EDITORIAL

10

Advancing global priorities in water research and technology

Graham Gagnon

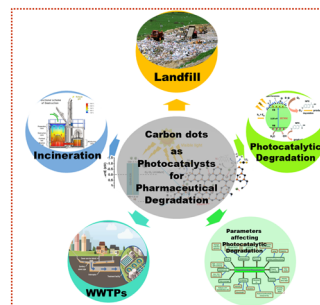


TUTORIAL REVIEW

12

Zero-dimensional luminescent carbon dots as fascinating analytical tools for the treatment of pharmaceutical based contaminants in aqueous media

Tahir Rasheed,* Muhammad Tuoqeer Anwar,
Darim Badur Ferry, Amjad Ali and Muhammad Imran



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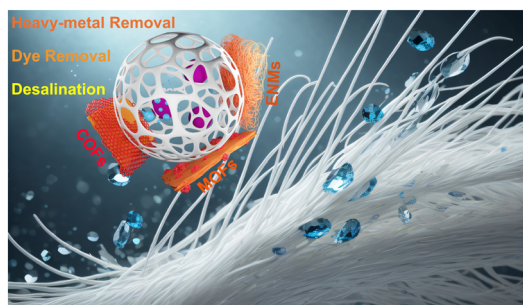
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CRITICAL REVIEWS

29

Emerging trends in membrane-based wastewater treatment: electrospun nanofibers and reticular porous adsorbents as key components

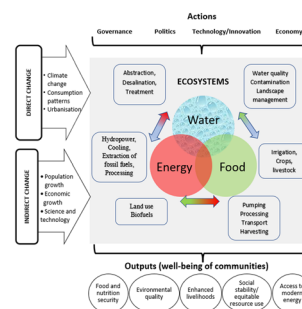
Manish Kumar, Sumanta Chowdhury and Jaspreet Kaur Randhawa*



85

Enhancing community well-being in African drylands through technology-based solutions in the water–energy–food–ecosystems nexus

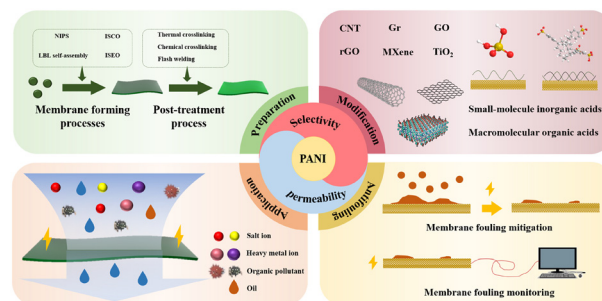
M. Thameur Chaibi, M. Soussi* and A. Karnib



105

Preparation, modification and antifouling properties of polyaniline conductive membranes for water treatment: a comprehensive review

Jiajin Hao, Lei Wang,* Xudong Wang, Jin Wang, Miaolu He, Xinyue Zhang, Jiaqi Wang, LuJie Nie and JingXian Li



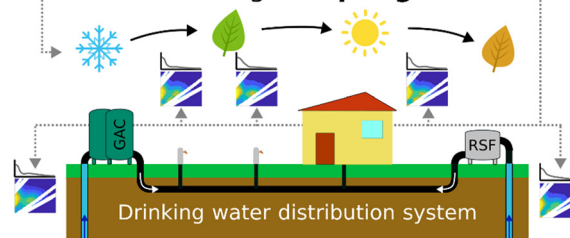
PAPERS

128

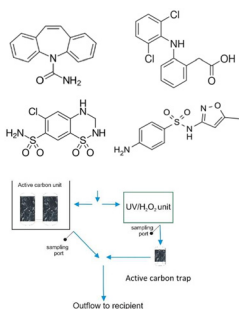
Source to tap investigation of natural organic matter in non-disinfected drinking water distribution systems

Marco Gabrielli, Fabio Pulcini, Giacomo Barbesti and Manuela Antonelli*

Natural organic matter variability in time and among sampling locations



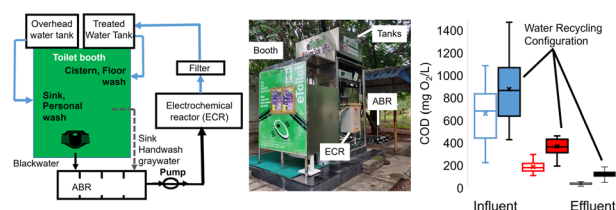
144



Evaluation and comparison of UV/H₂O₂ and adsorption on active carbon as a tertiary wastewater treatment for pharmaceutical removal within a small WWTP: a pilot study

Vladislav Knytl, Pavel Mašín, Věra Vlčková, Jaroslav Semerád, Klára Michalíková, Petra Najmanová and Tomáš Cajthaml*

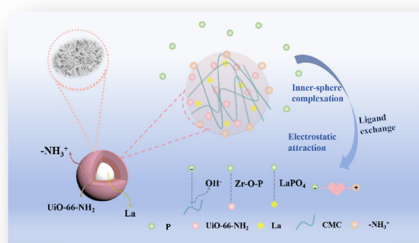
157



Water recycling public toilets based on onsite electrochemical wastewater treatment

Pragadeesh Subramani, Milan Basil, Praveen Rosario, Dijin Ramachandran Jalaja, Vaishali Choudhary, Jayakumar Renganathan, Ligy Philip, Kangwoo Cho, Claire Welling, Sonia Grego and Clément Cid*

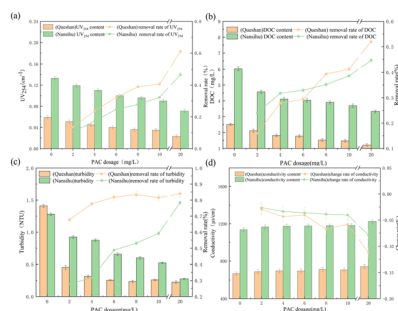
168



Integrated fabrication of CMC@UiO-66-NH₂@PEI composite adsorbents for efficient batch and dynamic phosphate capture

Yuyang Liu, Qingda An, Zuoyi Xiao, Jingai Hao, Xiaoling Dong, Kairuo Zhu,* Shangru Zhai* and Chang-Sik Ha*

182

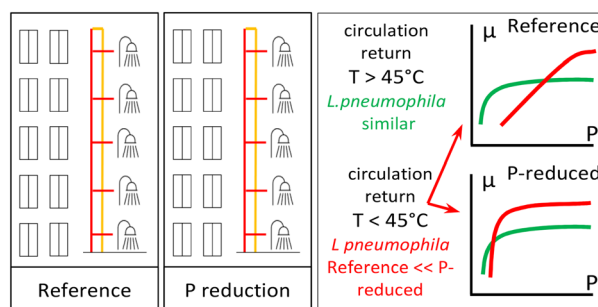


Study on the efficiency of the preoxidation-coagulation process in removing disinfection by-product precursors from micropolluted water

Junwei He, Ruibao Jia, Yonglei Wang,* Ke Lin, Baozhen Liu, Baosen Liu and Guilin He



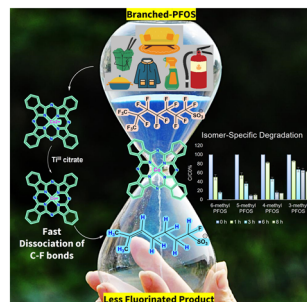
Effect of microbially available phosphorous removal on *Legionella* spp. in multi-storey residential dwellings in Latvia



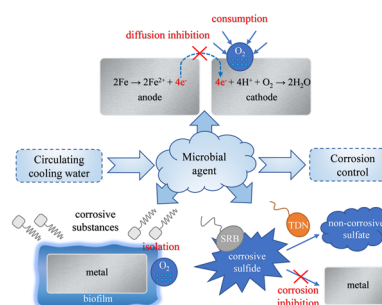
Pilot-scale evaluation of the sustainability of membrane desalination systems for the concentrate volume minimization of coal chemical wastewater

Metric	VSEP	DTRO	FO-RO
Water recovery	★★★★	★★★★★	★★★★★★
Resistance to fouling	★★★★	★★★★★	★★★★★★
CAPEX	★★★★★★	★★★★	★★★★★
OPEX	★★★★★	★★★★	★★★★★★

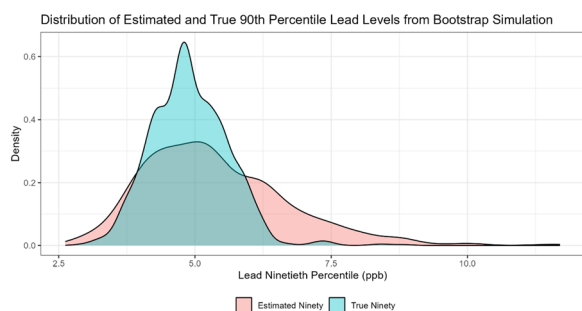
Fast reductive defluorination of branched perfluorooctane sulfonic acids by cobalt phthalocyanine: electrochemical studies and mechanistic insights



The effect and mechanism of a microbial agent used for corrosion control in circulating cooling water



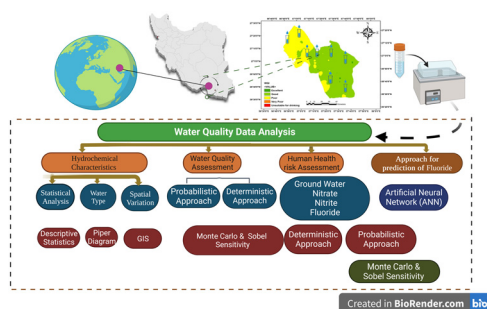
241



Estimating impacts of LCRR's fifth-liter sampling and find-and-fix requirements on large water systems

Tyler C. Bradley,* Sheldon V. Masters,
Timothy A. Bartrand and Christopher M. Sales

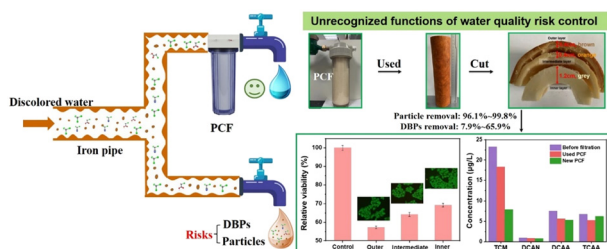
250



Quality evaluation and health risk assessment of drinking water in Minab County: hydrochemical analysis and artificial neural network modeling

Majid Amiri Gharaghani, Amin Mohammadpour,
Mahsa Keshtkar, Aboolfazl Azhdarpoor*
and Razieh Khaksefidi*

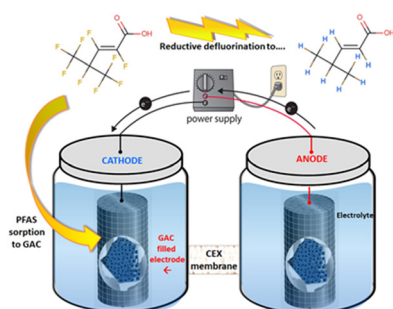
263



Particle and DBP removal efficiency and toxicity evaluation of polypropylene cotton filters in household drinking water purification systems

Linlin Pan, Yuan Zhuang,* Ruya Chen, Yitian He
and Baoyou Shi*

272



Electrochemical degradation of a C6-perfluoroalkyl substance (PFAS) using a simple activated carbon cathode

Diana Ackerman Grunfeld, Adele M. Jones, Jun Sun,
Song Thao Le, Russell Pickford, Qingguo Huang,
Michael Manefield, Naresh Kumar, Matthew J. Lee
and Denis M. O'Carroll*

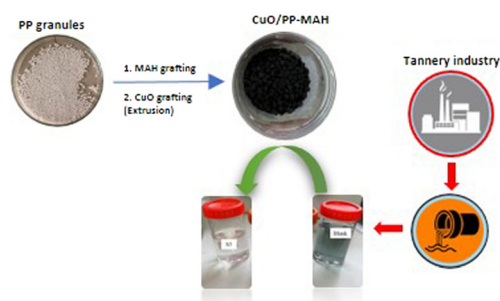


PAPERS

288

In situ green synthesis of copper(II) oxide (CuO) and maleic anhydride grafted polypropylene (PP-MAH) for highly efficient nanocatalysis in tannery wastewater treatment

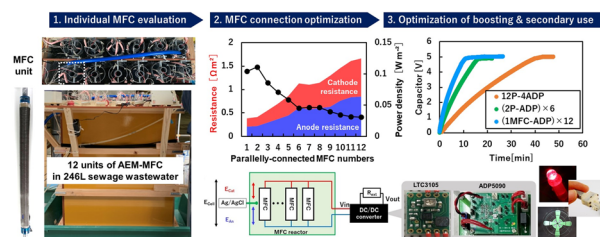
Farnam Manavi, Mohammad Reza Allahgoli Ghasri,*
Shervin Ahmadi and Sima Habibi



296

Optimizing low-voltage boosting for an air-cathode microbial fuel cell with an anion exchange membrane in a 246 L wastewater treatment reactor

Ayano Shimidzu, Fumichika Tanaka, Takahiro Matsumura,
Mitsuhiro Sakoda, Kazuki Iida and Naoko Yoshida*



CORRECTION

304

Correction: Unlocking the effect of Zn^{2+} on crystal structure, optical properties, and photocatalytic degradation of perfluoroalkyl substances (PFAS) of Bi_2WO_6

Mirabbos Hojamberdiev,* Ana Laura Larralde, Ronald Vargas, Lorean Madriz, Kunio Yubuta,
Lokesh Koodlur Sannegowda, Ilona Sadok, Agnieszka Krzyszczyk-Turczyn, Patryk Oleszczuk and Bożena Czech*

