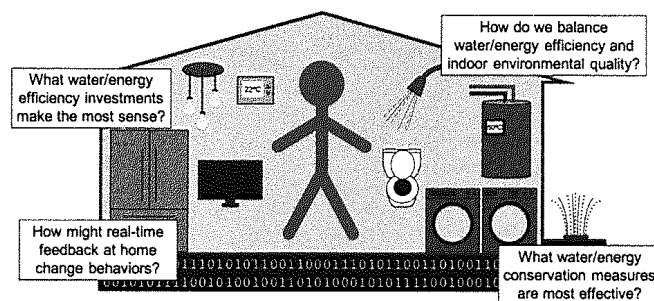


EDITORIAL

1358

Editorial Perspectives: bringing the energy–water nexus home to promote conservation and efficiency

Ashlynn S. Stillwell



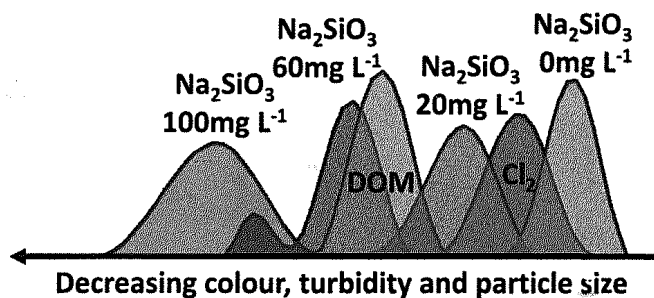
Bringing the energy-water nexus home

PAPERS

1360

Understanding the impacts of sodium silicate on water quality and iron oxide particles

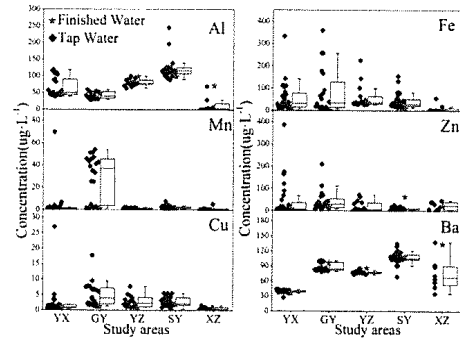
Bofu Li, Benjamin F. Trueman, Mohammad Shahedur Rahman, Yaohuan Gao, Yuri Park and Graham A. Gagnon*



1371

Accumulation and re-release of metallic pollutants during drinking water distribution and health risk assessment

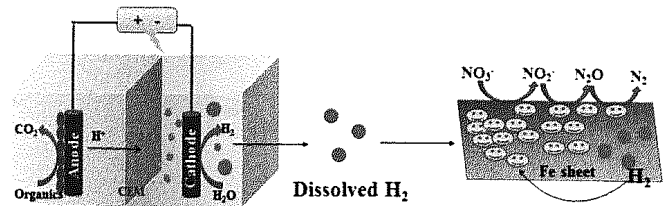
Quanli Liu, Jiali Gao, Guiwei Li, Hui Tao and Baoyou Shi*



1380

Enhanced nitrate removal in an Fe⁰-driven autotrophic denitrification system using hydrogen-rich water

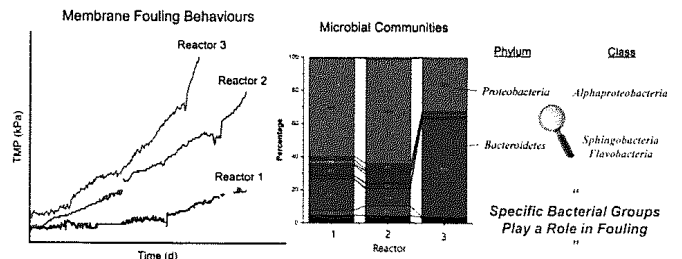
Tingting Zhu, Weiwei Cai, Bo Wang, Wenzong Liu,* Kai Feng, Ye Deng and Aijie Wang



1389

Clues to membrane fouling hidden within the microbial communities of membrane bioreactors

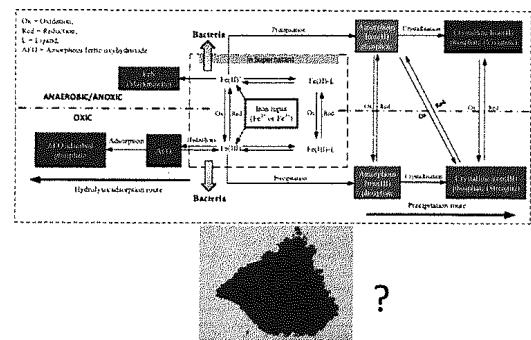
Nuwan Asanka Weerasekara, Sung-Geun Woo, Craig Criddle, Tahir Iqbal, Kibaek Lee, Yeong-Jun Park, Jae-Ho Shin and Kwang-Ho Choo*



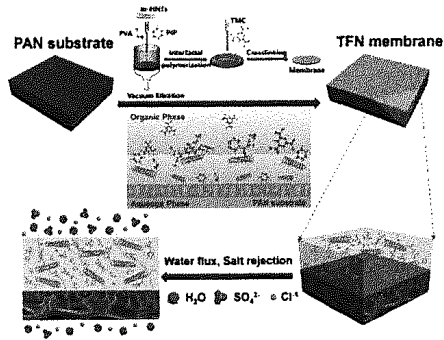
1400

Impact of ferrous iron dosing on iron and phosphorus solids speciation and transformation in a pilot scale membrane bioreactor

Hao Wu, Yuan Wang, Atsushi Ikeda-Ohno, Christopher J. Miller and T. David Waite*



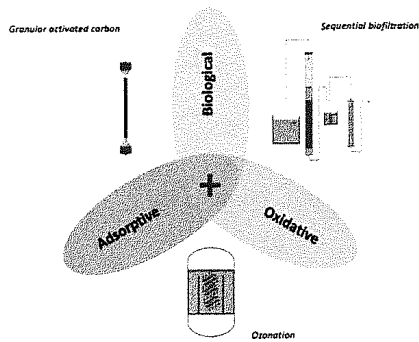
1412



Polyvinyl alcohol-assisted high-flux thin film nanocomposite membranes incorporated with halloysite nanotubes for nanofiltration

Lulu Jia, Xuke Zhang, Junyong Zhu, Shenzhen Cong, Jing Wang,* Jindun Liu and Yatao Zhang*

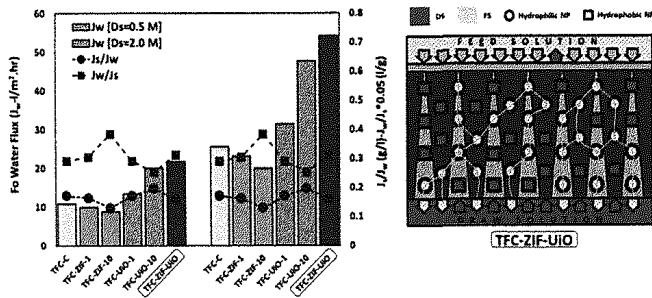
1423



Investigating synergies in sequential biofiltration-based hybrid systems for the enhanced removal of trace organic chemicals from wastewater treatment plant effluents

Johann Müller, Jörg E. Drewes and Uwe Hübner*

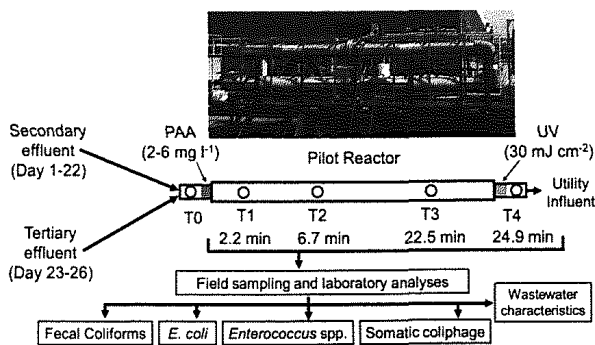
1436



Channelization of water pathway and encapsulation of DS in the SL of the TFC FO membrane as a novel approach for controlling dilutive internal concentration polarization

Mehrzad Arjmandi, Majid Peyravi,* Mahdi Pourafshari Chenar and Mohsen Jahanshahi

1453



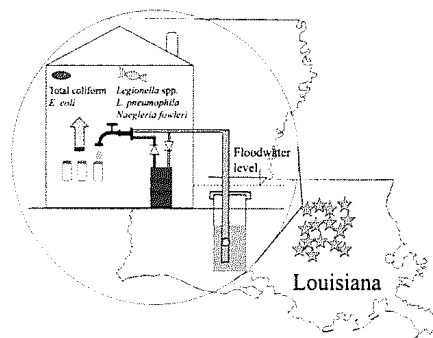
A pilot-scale study of peracetic acid and ultraviolet light for wastewater disinfection

Abdulrahman H. Hassaballah, Jeremy Nyitrai, Christine H. Hart, Ning Dai* and Lauren M. Sassoubre*

1464

Molecular survey of *Legionella* and *Naegleria fowleri* in private well water and premise plumbing following the 2016 Louisiana flood

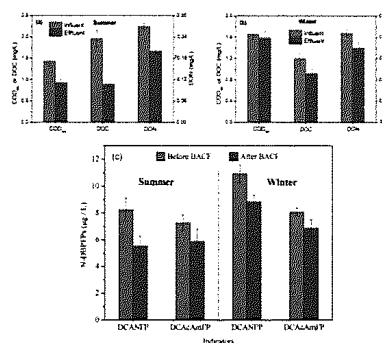
Dongjuan Dai, William J. Rhoads, Adrienne Katner, Laurel Strom, Marc A. Edwards, Amy Pruden* and Kelsey J. Pieper*



1478

The fates of aromatic protein and soluble microbial product-like organics, as the precursors of dichloroacetonitrile and dichloroacetamide, in drinking water advanced treatment processes

Tao Lin,* Han Chen, Shaoxin Ding, Wei Chen and Hang Xu



1489

A proof of concept study for wastewater reuse using bioelectrochemical processes combined with complementary post-treatment technologies

Waris Khan, Joo-Youn Nam, Hyoungmin Woo, Hodon Ryu, Sungpyo Kim, Sung Kyu Maeng* and Hyun-Chul Kim*

