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- A nanofilter composed of carbon nanotube-silver composites for virus removal and antibacterial activity improvement

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- Use of micellar liquid chromatography for rapid monitoring of fungicides post harvest applied to citrus wastewater
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## Highlight article

1 Refining mercury emission estimations to the atmosphere from iron and steel production Yongmin Wang, Guangliang Liu, Dingyong Wang and Yong Cai

- 4 Spatial variance and assessment of nitrogen dioxide pollution in major cities of Pakistan along N5-Highway Yasir Shabbir, Muhammad Fahim Khokhar, Reza Shaiganfar and Thomas Wagner
- Modeling the impacts of temperature and precipitation changes on soil CO<sub>2</sub> fluxes from a Switchgrass stand recently converted from cropland Liming Lai, Sandeep Kumar, Rajesh Chintala, Vance N. Owens, David Clay, Joseph Schumacher, Abdul-Sattar Nizami, Sang Soo Lee and Rashad Rafique
- Photocatalytic parameters and kinetic study for degradation of dichlorophenol-indophenol (DCPIP) dye using highly active mesoporous TiO<sub>2</sub> nanoparticles
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- Determination of estrogenic activity in the river Chienti (Marche Region, Italy) by using *in vivo* and *in vitro* bioassays
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- 54 Electro-catalytic degradation of sulfisoxazole by using graphene anode Yanyan Wang, Shuan Liu, Ruiping Li, Yingping Huang and Chuncheng Chen
- Distribution of bacterial communities across plateau freshwater lake and upslope soils Yihui Chen, Yu Dai, Yilin Wang, Zhen Wu, Shuguang Xie and Yong Liu
- Aerobic N<sub>2</sub>O emission for activated sludge acclimated under different aeration rates in the multiple anoxic and aerobic process

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- The effect of salinity on waste activated sludge alkaline fermentation and kinetic analysis Baodan Jin, Shuying Wang, Liqun Xing, Baikun Li and Yongzhen Peng
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  Kun Li, Jianxing Wang, Jibao Liu, Yuansong Wei and Meixue Chen
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- Adsorption of chlorophenols from aqueous solutions by pristine and surface functionalized singlewalled carbon nanotubes
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- 234 Membrane fouling in ultrafiltration of natural water after pretreatment to different extents Lu Ao, Wenjun Liu, Lin Zhao and Xiaomao Wang
- Organic matter and pH affect the analysis efficiency of <sup>31</sup>P-NMR Wenqiang Zhang, Xin Jin, Nan Rong, Jie Li and Baoqing Shan
- Occurrence and bioaccumulation of polybrominated diphenyl ethers in sediments and paddy ecosystems of Liaohe River Basin, northeast China Xindong Ma, Haijun Zhang, Wenjun Yao, Wen Guo, Depeng Li, Ziwei Yao and Jiping Chen
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