

発表時間25分／グループ：紹介15分、質疑応答10分

5月17日

Performance of *Salvinia molesta* plants in tertiary treatment of domestic wastewater

Rapid and efficient activated sludge treatment by electro-Fenton oxidation

Enhancing anaerobic digestion for rural wastewater treatment with granular activated carbon (GAC) supplementation

5月20日

Effect of  $\text{HCO}_3^-$  concentration in groundwater on  $\text{TiO}_2$  photocatalytic water purification

Removing *Escherichia coli* from water using zinc oxide-coated zeolite

Waterworks sludge-filter sand permeable reactive barrier for removal of toxic lead ions from contaminated groundwater

5月24日

Sustainable processing of dairy wastewater: Long-term pilot application of a bio-electrochemical system

MOF-Beads Containing Inorganic Nanoparticles for the Simultaneous Removal of Multiple Heavy Metals from Water

Synthesis of activated carbon from macadamia nutshells activated by  $\text{H}_2\text{SO}_4$  and  $\text{K}_2\text{CO}_3$  for methylene blue removal in water

5月31日

Effect of graphene oxide quantum dots on the interfacial polymerization of a thin-film nanocomposite forward osmosis membrane: An experimental and molecular dynamics study

An integrated approach of adsorption and membrane separation for treatment of sewage water and resource recovery

Oil-in-water separation with graphene-based nanocomposite membranes for produced water treatment

6月3日

Boron-chelating membranes based in hybrid mesoporous silica nanoparticles for water purification

Renewable energy from wastewater - Practical aspects of integrating a wastewater treatment plant into local energy supply concepts

Carbon-derived from metal-organic framework MOF-74: A remarkable adsorbent to remove a wide range of contaminants of emerging concern from water

6月7日

The occurrence of natural organic matter in South African water treatment plants

Evidence of microplastic accumulation in agricultural soils from sewage sludge disposal

Torrefaction of sewage sludge by using microwave heating

One-step in-situ fabrication of carbon nanotube/stainless steel mesh membrane with excellent anti-fouling properties for effective gravitydriven filtration of oil-in-water emulsions