

Contents

Volume 57 Issue 4

Reducing costs of electric power generation through the integration of desalinated water production into insular weak electric systems I. Nuez and F.J. Garcia Latorre (Las Palmas, Spain)	1623
Synthesis of an electrically cleanable forward osmosis membrane Z.M. Darbari and A.A. Mungray (Surat, India)	1634
Application of generic cubic equations of state in the CFD simulation of the sweeping gas polytetrafluoroethylene (PTFE) membrane distillation P. Jafari (Houston, TX, USA) and M.K. Moraveji (Tehran, Iran)	1647
The enhancing effect of weak magnetic field on degradation of Orange II by zero-valent iron Zhongjin Xiao, Qiaoli Zhou, Hejie Qin, Junlian Qiao and Xiaohong Guan (Shanghai, China)	1659
Enhanced adsorptive removal of methylene blue from aqueous solution by soft rush (<i>Juncus effusus</i>) Xingyu Liu, Baoyan Wang and Zhixing Su (Lanzhou, China)	1671
Performance of wastewater sludge modified with zinc oxide nanoparticles in the removal of methylene blue from aqueous solutions Z. Noorimotlagh (Ilam), R. Darvishi Cheshmeh Soltani (Arak), Gh. Shams Khorramabadi, H. Godini and M. Almasian (Khorramabad, Iran)	1684
Preparation and evaluation of chitosan-coated eggshell particles as copper(II) biosorbent J. Mohammadnezhad (Tehran), F. Khodabakhshi-Soreshjani (Karaj) and H. Bakhshi (Tehran, Iran)	1693
Preconcentration of some heavy metals by Amberlite XAD-4 functionalized with phenanthroline and investigation of microwave radiation effect on kinetic of adsorption H. Hashemi-Moghaddam and H.K. Haghiri (Damghan, Iran)	1705
Enhancement of metal bioleaching from sewage sludge by cotton stalk Buyun Wang (Wuhan, China).....	1713
Chemical modification of silica gel with multidentate ligands for heavy metals removal Song He, Chungui Zhao, Peng Yao and Suping Yang (Xiamen, China)	1722
Chemical coagulation process for the removal of heavy metals from water: a review Xiaomin Tang, Huaili Zheng (Chongqing), Houkai Teng (Tianjin), Yongjun Sun, Jinsong Guo, Wanying Xie, Qingqing Yang and Wei Chen (Chongqing, China)	1733
Uptake of hexavalent uranium from aqueous solutions using coconut husk activated carbon Zheng-ji Yi (Beijing and Hengyang), Jun Yao (Beijing), Yun-fei Kuang (Hengyang), Hui-lun Chen, Fei Wang (Beijing) and Jin-sheng Xu (Hengyang, China)	1749
The effect of gyrolite structure properties on Zn ²⁺ ion adsorption A. Ilijina, K. Baltakys and A. Eisinas (Kaunas, Lithuania).....	1756
Adsorption of As(V) on zirconium-based adsorbents S. Khuntia, S.K. Majumder and P. Ghosh (Guwahati, India)	1766
Enhanced turbidity removal in water treatment by using emerging vegetal biopolymer composite: a characterization and optimization study Y.C. Ho, I. Norli, A.F.M. Alkarkhi and N. Morad (Minden, Malaysia)	1779
Development and application of Palygorskite porous ceramsite in a biological aerated filter (BAF) Teng Bao (Hefei, China and Brisbane, Australia), Tian-hu Chen, Chengsong Qing, Jin Jin Xie (Hefei, China) and R.L. Frost (Brisbane, Australia)	1790
Utilization of recycled chemical residues from sodium hydrosulfite production in solid lubricant for drilling fluids Yihe Zhang (Beijing and Hong Kong), Xianghai Meng, Fengshan Zhou, Jinbo Lu, Jiwu Shang, Jing Xing (Beijing) and Paul K. Chu (Hong Kong, China)	1804
Water quality variation and tubing metal release due to nitrification Yongji Zhang, Zhengkai Lou and Lingling Zhou (Shanghai, China)	1814

Ozonation of wastewater in Algeria by dielectric barrier discharge N. Bouregba, Y. Benmimoun, B. Meddah (Mascara), A. Tilmantine (Sidi Bel Abbes) and A. Ouldoumna (Mascara, Algeria)	1824
Ferrous bio-oxidation by <i>Acidithiobacillus ferrooxidans</i> in hydrochloric acid pickling waste liquor Songyan Qin (Tianjin and Harbin), Yonglei Xie, Lina Guo (Tianjin), Dan Shan (Beijing), Shumei Li, Lin Xue, Jufang Xiao (Tianjin) and Fang Ma (Harbin, China)	1836
Synthesis and adsorption efficiency of calix[6]arene appended XAD-4 resin S. Memon, Ashfaque Ali Bhatti, Asif Ali Bhatti and I.B. Solangi (Jamshoro, Pakistan)	1844
Reusing industrial by-products to enhance phosphorus removal in waste stabilization ponds: laboratory approach M. Garfí and J. Puigagut (Barcelona, Spain)	1857
Modeling of the adsorption of metribuzin pesticide onto electro-activated granular carbon O. Kitous, N. Abdi, H. Lounici, H. Grib (El-Harrach), N. Drouiche (Algiers), E.H. Benyoussef and N. Mameri (El-Harrach, Algeria)	1865
Removal of phenolic compounds from olive mill wastewater by a Fenton-like system $H_2O_2/Cu(II)$ —thermodynamic and kinetic modeling H. Iboukhoulef (Tizi-Ouzou, Algeria), A. Amrane (Rennes, France) and H. Kadi (Tizi-Ouzou, Algeria)	1874
Adsorptive removal of diazinon: kinetic and equilibrium study Z.B. Ouznadji (Algiers), M.N. Sahmoune (Boumerdes) and N.Y. Mezenner (Algiers, Algeria).....	1880
Denitrifying phosphorus removal for simultaneous nitrogen and phosphorus removal from wastewater with low C/N ratios and microbial community structure analysis Xiao-mei Lv, Ji Li, Fei-yun Sun, Chao-lin Li, Ming-fei Shao and Wen-yi Dong (Shenzhen, China)	1890
Author Index.....	1900