



Nanofiltration of oily wastewater containing salt; xperimental studies and optimization using response surface methodology H. Abadikhah, F.Z. Ashtiani and A. Fouladitajar (Tehran, Iran)	2783
Evaluation of mechanical membrane cleaning with moving beads in MBR using Box–Behnken response surface methodology Se Na Shim, Sang-Ryoung Kim, Sung Jun Jo, Kyung-Min Yeon and Chung-Hak Lee (Seoul, Korea)	2797
The influence of an electrolyte on the adsorption of 4-chlorophenol onto activated carbon and multi-walled carbon nanotubes K. Kuśmierek and A. Świątkowski (Warsaw, Poland)	2807
Cost-effectiveness analysis on LID measures of a highly urbanized area Zhenliang Liao, Hao Chen, Fei Huang and Huaizheng Li (Shanghai, China)	2817
Domestic water demand in Saudi Arabia: assessment of desalinated water as strategic supply source O.K.M. Ouda (Al-Khobar, Saudi Arabia)	2824
Characterising dissolved organic matter fouling of nanofiltration membranes and evaluating effects of naproxen retention Guizhen Feng (Shanghai and Jiangxi), Huaqiang Chu and Bingzhi Dong (Shanghai, China)	2835
Evaluation of a pretreatment method using cation exchange resin to enhance the sludge solubilization and disintegration for improving the efficiency of anaerobic digestion Xiaohu Dai, Xin Gai, Ning Ye, Fan Luo and Bin Dong (Shanghai, China)	2848
Effect of low temperature on the performance of a gravity flow CANON-like pilot plant MBR treating surface water Zhaozhi Wang, Fangshu Qu, Heng Liang, Guibai Li (Harbin, China) and R.W. Field (Oxford, UK)	2856
A review on sewage disinfection and need of improvement K. Verma, K.D. Gupta and A.B. Gupta (Jaipur, India)	2867
Preparation of adsorbent using sugarcane bagasse by chemical treatment for the adsorption of methylene blue V.N. Gardare, S. Yadav, D.N. Avhad and V.K. Rathod (Mumbai, India)	2872
Optimization of activated carbon preparation conditions from <i>Prosopis africana</i> seed hulls for the removal of 2,4,6-trichlorophenol from aqueous solution Z.N. Garba (Penang, Malaysia and Zaria, Nigeria) and A. Abdul Rahim (Penang, Malaysia)	2879
Surfactant removal from aqueous solutions onto activated carbon using UV spectroscopy M.M.M. Bindes and M.R. Franco, Jr. (Uberlândia, Brazil)	2890
Metal ion doped CdSe quantum dots prepared by hydrothermal synthesis: enhanced photocatalytic activity and stability under visible light Changchang Ma, Xinlin Liu, Mingjun Zhou, Mengyao Feng, Yuting Wu, Pengwei Huo, Jianming Pan, Weidong Shi and Yongsheng Yan (Zhenjiang, China)	2896
Artificial neural network modeling of Cr(VI) photocatalytic reduction with TiO ₂ -P25 nanoparticles using the results obtained from response surface methodology optimization M. Sabonian and M.A. Behnajady (Tabriz, Iran)	2906
Selective removal of chromate using hybrid anion exchanger M.M. El-Moselhy (Cairo, Egypt and Jazan, Saudi Arabia) and O.M. Hakami (Cairo, Egypt)	2917
The <i>Teff</i> straw: a novel low-cost adsorbent for quantitative removal of Cr(VI) from contaminated aqueous samples B. Tadesse, E. Teju and N. Megersa (Addis Ababa, Ethiopia)	2925
Efficient removal of aqueous lead by leached sea nodules residue N.S. Randhawa and R.K. Jana (Jamshedpur, India)	2937

Study of adsorption kinetic, mechanism, isotherm, thermodynamic, and design models for Cu(II) ions on sulphuric acid-modified Eucalyptus seeds: temperature effect U. Pearlin Kiruba, P. Senthil Kumar, K. Sangita Gayatri, S. Shahul Hameed, M. Sindhuja and C. Prabhakaran (Chennai, India)	2948
Dynamic adsorption of methylene blue by melon peel in fixed-bed columns C. Djelloul and O. Hamdaoui (Annaba, Algeria)	2966
Rubber seeds (<i>Hevea brasiliensis</i>): an adsorbent for adsorption of Congo Red from aqueous solution M.A. Zulfikar, H. Setiyanto, Rusnadi and L. Solakhudin (Bandung, Indonesia)	2976
Electrochemical treatment of actual dye house effluents using electrocoagulation process directly powered by photovoltaic energy D. Marmanis, K. Dermentzis, A. Christoforidis (Agios Loucas), K. Ouzounis and A. Moutzakakis (Xanthi, Greece)	2988
Application of Taguchi experimental design methodology in optimization for adsorption of phosphorus onto Al/Ca-impregnated granular clay material Yang Yu, Nan Chen, Weiwu Hu and Chuanping Feng (Beijing, China)	2994
Kinetic modeling of electrochemical oxidation of phenol on boron-doped diamond anode in the presence of some inorganic species N.D. Muazu (Dammam, Saudi Arabia), N. Jarrah (Dammam, Saudi Arabia and Karak, Jordan) and A. Bukhari (Dhahran, Saudi Arabia)	3005
Kinetic, isotherm, and thermodynamic studies of polycyclic aromatic hydrocarbons biosorption from petroleum refinery wastewater using spent waste biomass S.A. Younis, N.Sh. El-Gendy, W.I. El-Azab and Y.M. Moustafa (Cairo, Egypt)	3013
Determination of trace metal ions in water and plant samples using polyurethane foam modified with 2-aminothiazole N.B. Burham (Fayoum, Egypt), S.M. Abdel-Azeem (Fayoum, Egypt and Al-Quwiyhia, Saudi Arabia), S.R. Abdel-Hafeez (Fayoum, Egypt) and M.F. El-Shahat (Cairo, Egypt)	3024
Optimization and analysis of homogenous Fenton process for the treatment of dry-spun acrylic fiber manufacturing wastewater Jian Wei (Beijing, China and Toulouse, France), Yonghui Song (Beijing, China), Xiaoguang Meng (Beijing, China and Hoboken, NJ, USA) and J.-S. Pic (Toulouse, France)	3036
Toxic effect of H ₂ O ₂ in H ₂ O ₂ /UV, photo-Fenton and heterogeneous photocatalysis (TiO ₂ /H ₂ O ₂ /UV) systems to treat textile wastewater C. Lopez-Lopez, J. Purswani, J. Martin-Pascual, M.V. Martinez-Toledo, M.M. Munio and J.M. Poyatos (Granada, Spain)	3044
Effect of co-existing ions on electrode behavior in electrocoagulation process for silica removal Suli Zhi and Shuting Zhang (Tianjin, China)	3054
Adsorptive removal of fluoride from aqueous solution by a PES/LDH blend flat sheet membrane Lili Mao, Tao Wu and Haizeng Wang (Qingdao, China)	3067
Activated sludge with low solids-production: modified ASM1 modeling and simulation C. Fall, A. Jimenez-Zarate, C.G. Martinez-Garcia, M. Esparza-Soto (Toluca, Mexico) and Y. Comeau (Montreal, Canada)	3075
UV/persulfate and UV/hydrogen peroxide processes for the treatment of salicylic acid: effect of operating parameters, kinetic, and energy consumption J. Saien, M. Osali (Hamedan) and A.R. Soleymani (Malayer, Iran)	3087
Preparation, characterization, and iodide sorption performance of silver-loaded mesoporous MCM-41 N. Karkhanei (Saveh), H. Sepehrian (Tehran) and R. Cheraghali (Saveh, Iran)	3096
Optimization of struvite crystallization to recover nutrients from raw swine wastewater Qintie Lin, Zhiliang Chen, Jieting Liu, Bing Tang, Jiale Ye and Lu Zhang (Guangzhou, China)	3106
Enzyme activities in pilot-scale constructed wetlands for treating urban runoff in China: temporal and spatial variations Weijie Guo, Zhu Li (Wuhan and Beijing), Shuiping Cheng (Shanghai), Wei Liang and Zhenbin Wu (Wuhan, China)	3113
Solid-liquid equilibrium of glycolic acid with alumina İ. İnci, Ş.S. Bayazit and Y.S. Aşçi (Istanbul, Turkey)	3122
Author Index	3128