

Contents

Volume 308

Synergistic effect of calcium and magnesium on silica polymerization and colloidal silica fouling in bench-scale reverse osmosis filtration E. Sarabian, G. Birkett, S. Pratt (Australia)	1
Evaluation of the flotation efficiency of nano and micro bubbles tailored to optimize bubble size distribution using a kinetic model Yong-Ho Choi (Korea), Mi-Sug Kim (USA), Yong-Hoon Jeong, Dong-Heui Kwak (Korea)	18
Comparison of the effects of two municipal sewage treatment process discharge on receiving rivers in plateau habitats Jun Wang, Jiaao Ji, Xianpai Peng, Yongchen Zong, Chunhui Fu, Dongyan Zhang (China)	26
Intensive removal of organic matter from a real hypersaline wastewater containing organic and inorganic salts Jiameng Wang, Limin Yang, Fan Jiang, Wenlong Cui (China)	42
A full factorial design-based desirability function approach to investigate the transport of Ni ²⁺ , Co ²⁺ , Cr ³⁺ and Zn ²⁺ through polymer inclusion membranes A. Cherfi, Z. Maache-Rezzoug, S.-A. Rezzoug (Algeria)	51
Investigation of the synergistic effect of the Fenton process on the paint industry wastewater treatment and optimization of independent process parameters Ö. Apaydin, U. Kurt, F. İlhan (Turkey)	68
Advanced removal of organics and nitrogen in upgraded anaerobic-aerobic slaughterhouse wastewater treatment process Shuang Tong, Yan Zhao, Jiapeng Li, Jing Wei, Jia Li (China)	80
Assessment of particle size distribution for polyaluminum chloride-based coagulation-flocculation processes J. Gumińska, M. Kłos, A. Gumiński (Poland)	90
Study on the adsorption of phosphate over biochar-based adsorbents from peanut shell and orange peel in water Yue Zhao, Xue He, Kezhen Qi (China), A. Zada (Pakistan), Jing Pan (China)	102
Investigating the potential ability of graphene/polydimethylsiloxane coated magnetic Fe ₃ O ₄ nanoparticles as the adsorbent for the dairy wastewater treatment O. Beiktash, Z. Hejri, M. Omidvar, H. Ahmari, B. Feyzizadeh (Iran)	110
Enhanced recovery of phosphate and ammonium from aqueous solution by wheat straw biochar modified by oyster shell Peng Dong, Jing Yu, Liang Chen, Guibin Pang (China)	123
Improved photocatalytic performance under visible light of a novel Bi ₂ O ₃ -CdO-CdCO ₃ ternary composite on glass wool K. Manseri, I. Benyamina, M. Mansour, M. Cherief, S. Larbaoui, A. Bentouami (Algeria), B. Boury (France)	137
Synthesis of Z-scheme Ag/AgI/Bi ₂ MoO ₆ nanocomposites used for high-efficiency visible-light-driven photocatalyst A. Phuruangrat, K. Suriyarpitak, S. Wannapop, T. Thongtem, S. Thongtem (Thailand)	150
Fluoride adsorption on stable amino acid functionalized HKUST-1 E. Uribe-Vega, S. Loera-Serna (Mexico)	160
Lignite-derived graphite synthesis for the removal of nonylphenol ethoxylate P. Sevim Elibol, H. Erdogan (Turkey)	170
Two new linearized equations derived from a pseudo-second-order kinetic model M.C. Dal, N. Onursal (Turkey)	183

Effective adsorption of tetracycline by Fe-Mn-Ce composite metal oxides: kinetics, isotherm and mechanism Bai Sun, Menghao Sun, Jie Zhang, Fengshou Zhao, Chenxu Shao, Mingjian Yi, Yun Wang, Xiangxiang Wang, Shuguang Zhu, Xinli Cai (China)	190
Assessing the hydraulic connectivity between polluted surface water and shallow groundwater and its role in preserving palm groves in the Oued Righ valley, Algeria A. Debbakh, B. Remini (Algeria)	200
Flow injection spectrophotometric determination of chromium(VI) after preconcentration on potassium-benzoic acid hydrazide dithiocarbamate R. Shabir, S. Shahida (Pakistan), T. Ghous, M.I. Khan (UAE), L. Ghani, S. Yousaf, A.A. Khan, M. Khan, A. Bhattacharai (Pakistan), A. Shanableh (UAE)	211
Application of the central composite design and response surface methodology for optimization of reactive color removal from aqueous solutions using dicyandiamide-formaldehyde resin modified by ammonium chloride H. Karyab, Z. Hamidi, F. Ghotbinia, Z.M. Khani, N. Nazeri (Iran)	217
Elevating pH and introducing SO_4^{2-} to promote organic dye mineralization by UV/PDS process under high contents of Cl^- conditions Bing Yang, Xiangfu Huang, Yucheng Liu, Mi Zhou, Wei Jiang, Qinman Li, Qiuping Luo, Lili Ma, Lingli Li (China)	229
Eosin Y removal using citric acid-treated corncob Yinghua Song, Shengming Chen, Hui Xu (China)	244
Author Index	252