

Contents

Volume 57 Issue 47

Polysulfone/polyurethane blend degradable hollow fiber membranes preparation and transport–separation properties evaluation C. Wojciechowski, A. Chwojnowski, L. Granicka, E. Łukowska and M. Grzeczkowicz (Warszawa, Poland)	22191
Performance of anaerobic immersed membrane bioreactor (AnIMBR) treating synthetic dairy wastewater M.H. Al-Malack and G.R. Aldana (Dhahran, Saudi Arabia)	22200
Community diversity and biofilm characteristic response to low temperature and low C/N ratio in a suspended carrier biofilm reactor Junguo He, Huizhi Hu, Wei Qiu, Jian Liu, Mingchao Liu, Cong Zhao, Xian Shi and Jie Xu (Harbin, China)	22212
Control of dissolved organic matter fouling ultrafiltration membrane treating a WWTP secondary effluent via multi-pretreatments Wensong Duan, Cong Ling, Fangfang Zhang, Weixi Tang (Wuhu, China) and Xiaoguang Xu (Tokyo, Japan)	22223
Optimization of photocatalytic post-treatment of composting leachate using UV/TiO ₂ N. Mokhtarani, S. Khodabakhshi and B. Ayati (Tehran, Iran)	22232
An insight into the remediation of highly contaminated landfill leachate using sea mango based activated bio-char: optimization, isothermal and kinetic studies A. Shehzad, M.J.K. Bashir, S. Sethupathi and Jun-Wei Lim (Perak, Malaysia)	22244
PVDF membranes prepared via thermally induced (liquid–liquid) phase separation and their application in municipal sewage and industry wastewater for water recycling Yuan-Hui Tang, Ya-Kai Lin, Bo Zhou and Xiao-Lin Wang (Beijing, China)	22258
Biopolymer removal in full-scale conventional and advanced drinking water treatment trains at two large adjacent plants B. Siembida-Lösch, W.B. Anderson (Waterloo), J. Bonsteel (Mississauga) and P.M. Huck (Waterloo, Canada)	22277
A prediction model of mass transfer through an electrodialysis cell A. Ghorbani, A. Ghassemi, P.K. Andersen and R. Foudazi (Las Cruces, NM, USA)	22290
Separation and purification of L-phenylalanine from the fermentation broth by electrodialysis Zhangtong Sun, Xueli Gao (Qingdao), Yushan Zhang (Tianjin) and Congjie Gao (Qingdao, China)	22304
Modeling of the sorption of crude oil on a polyurethane foam-powdered activated carbon composite M. Medjahdi, N. Benderdouche, B. Bestani (Mostaganem, Algeria), L. Duclaux and L. Reinert (Chambéry, France)	22311
Simulation of adsorption of antimony on zero-valent iron nanoparticles coated on the industrial minerals (kaolinite, bentonite and perlite) in mineral effluent S. Saeidnia, G. Asadollahfardi (Karaj) and A. Khodadadi Darban (Tehran, Iran)	22321
Integrated microalgae cultivation, nutrient removal and product utilization bio-processes H.O. Tighiri and E.A. Erkurt (Mersin, Turkey)	22329
Activated coconut coir for removal of sodium and magnesium ions from saline water E. Hettiarachchi (Peradeniya), R. Perera (Kandy), A.D.L. Chandani Perera (Peradeniya) and N. Kotegoda (Nugegoda and Homagama, Sri Lanka)	22341
Determination of parabens in water samples by cloud point extraction and aqueous two-phase extraction using high-performance liquid chromatography M.S. Noorashikin (Kuala Terengganu), S. Mohamad and M.R. Abas (Kuala Lumpur, Malaysia)	22353
Adsorption of bisphenol A from aqueous solutions by <i>Pleurotus eryngii</i> immobilized on Amberlite XAD-4 using as a new adsorbent V. Yonten, M. Ince, M. Tanyol and N. Yildirim (Tunceli, Turkey)	22362

Influence of preparation method on the physicochemical properties and catalytic activity of $\text{SiO}_2\text{--TiO}_2$ mixed oxides R. Mohammadi (Tehran, Iran)	22370
Adsorptive removal of diuron on biomass ashes: a comparative study using rice husk ash and bagasse fly ash as adsorbents S.K. Deokar, D. Singh, S. Modak, S.A. Mandavgane (Nagpur) and B.D. Kulkarni (Pune, India)	22378
Geochemical study of groundwater conditions with special emphasis on fluoride concentration, Iran H. Biglari (Gonabad), A. Chavoshani (Isfahan), N. Javan (Zahedan) and A.H. Mahvi (Tehran, Iran)	22392
Removal of phosphorus from aqueous solutions by granular mesoporous ceramic adsorbent based on Hangjin clay Di Wang, Weiwu Hu, Nan Chen, Yang Yu, Caixing Tian and Chuanping Feng (Beijing, China)	22400
Biosorption of pulp and paper mill effluent by <i>Emericella nidulans</i> : isotherms, kinetics and mechanism A. Singhal (New Delhi), P.K. Jha (New Delhi and Noida) and I.S. Thakur (New Delhi, India)	22413
Biosorption of Cd(II) and Cu(II) ions using <i>Lysinibacillus fusiformis</i> KMNTT-10: equilibrium and kinetic studies K. Mathivanan, R. Rajaram and V. Balasubramanian (Tiruchirappalli, India)	22429
Investigation of individual and competitive adsorption of Cu(II), Cd(II), and Pb(II) on montmorillonite in terms of surface complexation and kinetic properties of Cu(II) adsorption J. Hizal, P. Demircivi, S. Karadirek (Yalova) and R. Apak (Istanbul, Turkey)	22441
Adsorption of copper (Cu^{2+}) from aqueous solution using date palm trunk fibre: isotherms and kinetics M.T. Amin, A.A. Alazba and M. Shafiq (Riyadh, Saudi Arabia)	22454
Kinetics and thermodynamics of Pb sorption onto bentonite and poly(acrylic acid)/bentonite hybrid sorbent H.R. Rafiei, M. Shirvani (Isfahan, Iran) and O.A. Ogunseitan (Irvine, CA, USA)	22467
Simple route synthesis of MnFe_2O_4 @ alunite composite for preconcentration of trace level of copper and lead from food and water samples M. Shirkhodaie, M.H. Beyki and F. Shemirani (Tehran, Iran)	22480
Removal of copper, zinc and cadmium ions through adsorption on water-quenched blast furnace slag Zhe Wang (Beijing and Baotou), Guohe Huang (Beijing), Chunjiang An (Beijing, China and Saskatchewan, Canada), Lirong Chen and Jinliang Liu (Baotou, China)	22493
Application of response surface methodology for the optimization of hexavalent chromium removal using a new low-cost adsorbent E.H. Ezechi, S.R.b.M. Kutty, M.H. Isa and M.S. Liew (Perak, Malaysia)	22507
Application of $\text{C}_{14}/\text{SiO}_2\text{--Fe}_3\text{O}_4$ and AC- Fe_3O_4 nanocomposite for U(VI) removal Z. Akbari-Jonoush, S. Naseri, M. Farzadkia, H.-R. Mohajerani, M. Shirzad-Siboni (Tehran, Iran) and Jae-Kyu Yang (Seoul, Korea)	22519
Sono-electrochemical degradation of Orange G in pure water, natural water, and seawater: effect of operating parameters M. Lounis, M.E. Samar and O. Hamdaoui (Annaba, Algeria)	22533
Adsorptive removal of organic dyes from aqueous solutions using acrylic acid-acrylonitrile-N-isopropylacrylamide polymeric gels as adsorbents: linear and non linear isotherms M.A. Malana, S. Parveen and R.B. Qureshi (Multan, Pakistan)	22543
Synthesis of polyaniline/ Fe_3O_4 magnetic nanoparticles for removal of reactive red 198 from textile waste water: kinetic, isotherm, and thermodynamic studies H.-A. Tayebi, Z. Dalirandeh, A. Shokuhi Rad, A. Mirabi and E. Binaeian (Qaemshahr, Iran)	22551
Occurrence and removal of polycyclic aromatic hydrocarbons in real textile dyeing wastewater treatment process Zaisheng Yan, Haichen Zhang, Huifang Wu, Mingzhong Yang and Shihe Wang (Nanjing, China)	22564
Adsorption of methylene blue by activated carbon derived from various fruit peels F.S. Hashem (Cairo, Egypt) and M.S. Amin (Medina, Saudi Arabia and Cairo, Egypt)	22573
Removal of Erythrosine B dye from water effluents using crop waste pumpkin seed hulls as adsorbent L.C. Apostol, C. Ghinea (Iasi and Suceava, Romania), M. Alves (Braga, Portugal) and M. Gavrilescu (Iasi and Bucharest, Romania)	22585
Removal of reactive dyes from their aqueous solutions using <i>Moringa oleifera</i> seeds and <i>Grewia venusta</i> peel M.Y. Agbahoungbata (Cotonou and Natitingou), J.K. Fatombi (Natitingou and Cotonou), M.A. Ayedoun (Parakou), E. Idohou (Natitingou), E.V. Sagbo (Cotonou), S.A. Osseni (Natitingou), D. Mama and T. Aminou (Cotonou, Benin)	22609

Synthesis of maghemite nanoparticles and its application for removal of Titan yellow from aqueous solutions using full factorial design A. Akrami and A. Niazi (Arak, Iran)	22618
Development of novel chitosan schiff base derivatives for cationic dye removal: methyl orange model E.M. El-Sayed, T.M. Tamer, A.M. Omer (Alexandria, Egypt) and M.S. Mohy Eldin (Alexandria, Egypt and Jeddah, Saudi Arabia)	22632
Adsorption of methyl red onto palladium nanoparticles loaded on activated carbon: experimental design optimization M. Ghaedi (Yasouj), R. Hassani (Marvdasht), K. Dashtian (Yasouj), G. Shafie (Marvdasht, Iran), M.K. Purkait (Guwahati, India) and H. Dehghan (Marvdasht, Iran)	22646
Synthesis and application of recyclable magnetic freeze-dried graphene oxide nanocomposite as a high capacity adsorbent for cationic dye adsorption A. Faghihi, M.H. Vakili (Shahreza), G. Hosseinzadeh (Tehran), M. Farhadian (Isfahan) and Z. Jafari (Shahreza, Iran)	22655
Kinetic study on the cometabolic degradation of 17 β -estradiol and 17 α -ethinylestradiol by an <i>Acinetobacter</i> sp. strain isolated from activated sludge Wei Cai, Yi Li, Lihua Niu, Qing Wang and Yue Wu (Nanjing, China)	22671
Adsorption of tetracycline and sulfonamide antibiotics on amorphous nano-carbon Yixiao Wu (Wuhan), Beidou Xi (Beijing, China), Guangji Hu (British Columbia, Canada), Dihua Wang, Aimin Li, Weihao Zhang, Lei Lu and Huijun Ding (Wuhan, China)	22682
Bioaugmentation for improving the activated sludge process of treating refinery spent caustic: laboratory and field pilot-scale studies Shanshan Sun (Beijing), Li Fang (Panjin), Zhaozheng Song (Beijing), Xiaojun Wang (Lanzhou), Jingxiu Wang, Yijing Luo, Zhiyong Zhang (Beijing, China), Guangqing Zhang (Wollongong, Australia), Qingzhe Jiang and Zhongzhi Zhang (Beijing, China)	22695
Synthesis, adsorption and photocatalytic property of halloysite-TiO ₂ -Fe ₃ O ₄ composites Pengwu Zheng, Yuanyuan Du (Nanchang), Dan Liu (Dalian) and Xiaofei Ma (Tianjin, China)	22703
Author Index	22711