

Contents

Volume 54 Issue 9

Optimization methodology to study/estimate permeability in reverse osmosis desalination M.B. Minhas and Woo-Seung Kim (Ansan, Korea)	2343
Agro-substances and non-agro-substances as efficient and cost-effective materials for wastewater treatment E.-S.H.A. Nashy and M.A. El-Khateeb (Khulias, Saudi Arabia and Giza, Egypt)	2357
Thermodynamic analysis of a single and two-stage solar assisted air-cooled flash evaporation desalination system for small-scale applications J.J. Wessley and K. Mathews (Coimbatore, India)	2364
Impacts of poly-aluminum chloride addition on activated sludge and the treatment efficiency of SBR Bin Ji, Kai Yang and Hongyu Wang (Wuhan, China)	2376
The competency of various applied strategies in treating tropical municipal landfill leachate M.J.K. Bashir (Kampar), H. Abdul Aziz, S.S. Abu Amr (Nibong Tebal), S. a/p Sethupathi, Choon Aun Ng and Jun Wei Lim (Kampar, Malaysia)	2382
Predicting the impact of management practices on river water quality using SWAT in an agricultural watershed Mei Liu and Jun Lu (Hangzhou, China)	2396
Reuse of greywater: effect of coagulant D.M. Ghaitidak and K.D. Yadav (Surat, India)	2410
Study of water quality improvements at a riverbank filtration site along the upper course of the River Ganga, India R.R. Dash (Burla, India), I. Mehrotra, P. Kumar (Roorkee, India) and T. Grischek (Dresden, Germany)	2422
Synthesis, treatment, and application of a novel carbon nanostructure for removal of fluoride from aqueous solution H. Faghihian, H. Atarodi and M. Kooravand (Shahreza, Iran)	2432
Synthesis and characterization of whisker surface imprinted polymer and selective solid-phase extraction of trace Sr(II) from environment aqueous solution Zulei Zhang and Lei Li (Jiaxing, China)	2441
Synthesis, characterization, and application of nano-molecularly imprinted polymer for fast solid-phase extraction of tartrazine from water environment N. Arabzadeh, A. Khosravi, A. Mohammadi, N.M. Mahmoodi and M. Khorasani (Tehran, Iran)	2452
Phosphate adsorption capacity testing of natural and industrial substrates in view of application in swimming and fish pond water treatment systems L. Fondu (Kortrijk), I. De Bo (Ghent) and S.W.H. Van Hulle (Kortrijk, Belgium)	2461
Phosphorus recovery through struvite precipitation from wastewater: effect of the competitive ions N.Y. Acelas, E. Flórez and D. López (Medellín, Colombia)	2468
Enhanced removal efficiency of bromate from aqueous solutions by nanoscale zero-valent iron immobilized on activated carbon Chunhua Xu, Xiaohong Wang, Sheng Lin, Luijia Zhu and Yaming Chen (Jinan, China)	2480
Fenton regeneration of humic acid-spent carbon nanotubes A. Naghizadeh (Birjand), S. Nasseri, A.H. Mahvi, A. Rashidi, R. Nabizadeh and R.R. Kalantary (Tehran, Iran)	2490
Modeling nitrate concentrations in a moving bed sequencing batch biofilm reactor using an artificial neural network technique H. Dulkadiroglu (Istanbul), G. Seckin (Adana) and D. Orhon (Istanbul, Turkey)	2496
Enhancement of photocatalytic activity on salicylic acid by nonmetal-doped TiO ₂ with solvothermal method Huiqin Wang, Xiaolin Liu, Xinlin Liu, Qingfeng Guan, Pengwei Huo and Yongsheng Yan (Zhenjiang, China)	2504

Removal of thorium(IV) from aqueous solutions by carboxyl-rich hydrothermal carbon spheres through low-temperature heat treatment in air Zhi-wei Zhou, Guo-xuan Xiong, Yun-hai Liu, Xiao-hong Cao (Nanchang and Fuzhou) and Zhi-bin Zhang (Nanchang, Fuzhou and Wuhan, China)	2516
Removal of uranium (VI) from liquid waste of calcareous shale, Allouga, southwestern Sinai, Egypt M.F. Hamza (Cairo, Egypt)	2530
Kinetic and thermodynamic studies on the adsorption of U(VI) onto humic acid Ling Li, Zhen Wei (Wuhan), Ziying Li (Beijing), Juan Wang (Wuhan and Beijing), Qisheng Zhou (Wuhan) and Jian Guo (Beijing, China)	2541
Removal of Cd(II) from aqueous solution using cross-linked chitosan-zeolite composite Feng Zhang, Manman Wang, Limei Zhou (Nanchong), Xiaoyan Ma (Chengdu) and Yafer Zhou (Nanchong, China)	2546
Electrochemical removal of cadmium from simulated wastewater using a smooth rotating cylinder electrode A.H. Sulaymon, B.A. Abdulkajeed and A.B. Salman (Baghdad, Iraq)	2557
Effect of Cr(III) on process performances of MBR systems L. d'Antonio, M. Fabbricino and F. Pirozzi (Naples, Italy)	2564
Valorisation of food wastes as sorbent for dye retention from aqueous medium D. Suteu, S. Coseri, M. Badeanu and C. Zaharia (Iasi, Romania)	2570
Preparation of Pd-doped nano-TiO ₂ in microemulsion and their application in photodegradation of C.I. Acid Yellow 23 R. Najjar, M. Shokri and S. Farsadi (Tabriz, Iran)	2581
Sorption characteristics of peat of Brunei Darussalam V: removal of Congo red dye from aqueous solution by peat T. Zehra (Gadong, Brunei Darussalam), N. Priyantha (Peradeniya, Sri Lanka), L.B.L. Lim and E. Iqbal (Gadong, Brunei Darussalam)	2592
Hybrid central composite design optimization for removal of Methylene blue by <i>Acer</i> tree leaves: characterization of adsorption J. Zolgharnein and M. Bagtash (Arak, Iran)	2601
Sorption of Reactive blue 19 onto freshwater algae and seaweed S. Devi, A. Murugappan and R. Rajesh Kannan (Annamalai Nagar, India)	2611
Author Index	2625