Mark R Matsumoto

List of Publications by Year
in descending order

35 papers	1,207 citations	566801 15 h-index	395343 33 g-index
35 all docs	35 docs citations	35 times ranked	1412 citing authors

#	Article	IF	Citations
1	Modeling Cadmium Adsorption by Activated Carbon Using the Langmuir and Freundlich Isotherm Expressions. Separation Science and Technology, 1993, 28, 2179-2195.	1.3	289
2	Direct observation of biofouling in cross-flow microfiltration: mechanisms of deposition and release. Journal of Membrane Science, 2004, 244, 151-165.	4.1	242
3	Perchlorate Reduction by Autotrophic Bacteria in the Presence of Zero-Valent Iron. Environmental Science & Technology, 2006, 40, 1328-1334.	4.6	89
4	Characteristics of Heavy Metals in Contaminated Soils. Journal of Environmental Engineering, ASCE, 1995, 121, 276-286.	0.7	79
5	Modeling Cd Adsorption in Single and Binary Adsorbent (PAC) Systems. Journal of Environmental Engineering, ASCE, 1993, 119, 332-348.	0.7	55
6	Cadmium Removal from Contaminated Soil by Tunable Biopolymers. Environmental Science & Technology, 2004, 38, 3148-3152.	4.6	48
7	Treating anaerobic sequencing batch reactor effluent with electrically conducting ultrafiltration and nanofiltration membranes for fouling control. Journal of Membrane Science, 2016, 504, 104-112.	4.1	48
8	Genetic Engineering of Self-Assembled Protein Hydrogel Based on Elastin-like Sequences with Metal Binding Functionality. Biomacromolecules, 2007, 8, 3736-3739.	2.6	45
9	Perchlorate Reduction by Autotrophic Bacteria Attached to Zerovalent Iron in a Flow-Through Reactor. Environmental Science & Technology, 2007, 41, 990-997.	4.6	41
10	Customizable Biopolymers for Heavy Metal Remediation. Journal of Nanoparticle Research, 2005, 7, 517-523.	0.8	38
11	Physicochemical processes. Water Environment Research, 1997, 69, 444-462.	1.3	29
12	Cadmium removal from contaminated soil by thermally responsive elastin (ELPEC20) biopolymers. Biotechnology and Bioengineering, 2007, 98, 349-355.	1.7	26
13	USE OF METAL ADSORBING COMPOUNDS (MAC) TO MITIGATE ADVERSE EFFECTS OF HEAVY METALS IN BIOLOGICAL UNIT PROCESSES. Chemical Engineering Communications, 1989, 86, 1-16.	1.5	21
14	Offline Bioregeneration of Granular Activated Carbon. Journal of Environmental Engineering, ASCE, 1988, 114, 1063-1076.	0.7	19
15	Flow patterns in radial flow hollow fiber reverse osmosis systems. Desalination, 1988, 68, 11-28.	4.0	17
16	Factors Influencing Arsenite Removal by Zero-Valent Iron. Journal of Environmental Engineering, ASCE, 2006, 132, 1459-1469.	0.7	15
17	Acidâ€Base Characteristics of Powderedâ€Activatedâ€Carbon Surfaces. Journal of Environmental Engineering, ASCE, 1993, 119, 585-590.	0.7	14
18	The effects of various amendments on the biostimulation of perchlorate reduction in laboratory microcosm and flowthrough soil columns. Chemical Engineering Journal, 2013, 232, 388-396.	6.6	13

#	Article	IF	Citations
19	Comparison of PCR-DGGE and Selective Plating Methods for Monitoring the Dynamics of a Mixed Culture Population in Synthetic Brewery Wastewater. Biotechnology Progress, 2008, 21, 712-719.	1.3	11
20	Removal of MTBE in biological activated carbon adsorbers. Environmental Progress and Sustainable Energy, 2013, 32, 239-248.	1.3	11
21	Application of electrochemical depassivation in PRB systems to recovery Fe0 reactivity. Frontiers of Environmental Science and Engineering, 2016, 10, 1.	3.3	11
22	Physicochemical processes. Water Environment Research, 1998, 70, 449-473.	1.3	10
23	The Effects of Ozonated Irrigation Water on Soil Physical and Chemical Properties. Ozone: Science and Engineering, 2001, 23, 65-76.	1.4	9
24	Physicochemical Processes. Water Environment Research, 1999, 71, 584-618.	1.3	5
25	Biologicalâ€activated carbon process for removing mtbe from groundwater. Environmental Progress and Sustainable Energy, 2013, 32, 512-523.	1.3	5
26	Impact of Calcium Magnesium Acetate Road Deicer on POTW Operation. Journal of Water Resources Planning and Management - ASCE, 1987, 113, 311-315.	1.3	4
27	Physicochemical Processes. Water Environment Research, 1996, 68, 431-450.	1.3	3
28	Mitigation of Biological Process Upsets Caused by Organic Inhibitors. Journal of Environmental Engineering, ASCE, 1989, 115, 1061-1065.	0.7	2
29	Improvements in Soil Absorption Trench Design. Journal of Environmental Engineering, ASCE, 1989, 115, 853-857.	0.7	2
30	Physicochemical processes. Water Environment Research, 1995, 67, 419-432.	1.3	2
31	A Kinetic Model for Suspended and Attached Growth of a Defined Mixed Culture. Biotechnology Progress, 2008, 21, 720-727.	1.3	2
32	Feasibility of intermittent biological treatment for hazardous wastes. Environmental Progress, 1987, 6, 166-171.	0.8	1
33	Physicochemical processes. Water Environment Research, 1994, 66, 309-324.	1.3	1
34	Effects of primary effluent filtration on trickling filter design and operation. International Journal of Environmental Studies, 1988, 32, 59-74.	0.7	0
35	Preliminary Study of Biological Activated Carbon Treatment for Removing MTBE from Groundwater. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0