Soheila Yaghmaei

List of Publications by Year
in descending order

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59 papers	1,723 citations	293460 24 h-index	325983 40 g-index
59 all docs	59 docs citations	59 times ranked	2301 citing authors

#	Article	IF	Citations
1	Biological activated carbon process for biotransformation of azo dye Carmoisine by Klebsiella spp.. Environmental Technology (United Kingdom), 2022, 43, 2713-2729.	1.2	5
2	Evaluation of Aspergillus niger and Penicillium simplicissimum for their ability to leach Znâ€“Niâ€“Cu from waste mobile phone printed circuit boards. Journal of Material Cycles and Waste Management, 2022, 24, 83-96.	1.6	4
3	Fungal bioleaching of e-waste utilizing molasses as the carbon source in a bubble column bioreactor. Journal of Environmental Management, 2022, 307, 114524.	3.8	11
4	Azo dye removal via surfactant-assisted polyvinylidene fluoride membrane. Environmental Health Engineering and Management, 2021, 8, 25-32.	0.3	1
5	Fabrication of the macro and micro-scale microbial fuel cells to monitor oxalate biodegradation in human urine. Scientific Reports, 2021, 11, 14346.	1.6	6
6	Green recovery of Cu-Ni-Fe from a mixture of spent PCBs using adapted A. ferrooxidans in a bubble column bioreactor. Separation and Purification Technology, 2021, 272, 118701.	3.9	12
7	Developing potentiometric sensors for scandium. Sensors and Actuators B: Chemical, 2021, 348, 130699.	4.0	9
8	Introducing an affordable catalyst for biohydrogen production in microbial electrolysis cells. Journal of Bioscience and Bioengineering, 2020, 129, 67-76.	1.1	23
9	Assessment of Global Potential of Biohydrogen Production from Agricultural Residues and Its Application in Nitrogen Fertilizer Production. Bioenergy Research, 2020, 13, 463-476.	2.2	17
10	Evaluating the optimal digestion method and value distribution of precious metals from different waste printed circuit boards. Journal of Material Cycles and Waste Management, 2020, 22, 1690-1698.	1.6	21
11	Effects of chemical, electrochemical, and electrospun deposition of polyaniline coatings on surface of anode electrodes for evaluation of MFCsâ€™ performance. Journal of Environmental Chemical Engineering, 2020, 8, 104039.	3.3	8
12	Optimized bioleaching of copper by indigenous cyanogenic bacteria isolated from the landfill of e-waste. Journal of Environmental Management, 2020, 261, 110124.	3.8	34
13	Biodegradation of 4-Chlorobenzoic Acid by Lysinibacillus macrolides DSM54T and Determination of Optimal Conditions. International Journal of Environmental Research, 2020, 14, 145-154.	1.1	4
14	Advances in bioleaching of copper and nickel from electronic waste using Acidithiobacillus ferrooxidans: evaluating daily pH adjustment. Chemical Papers, 2020, 74, 2211-2227.	1.0	19
15	The coupled microfluidic microbial electrochemical cell as a self-powered biohydrogen generator. Journal of Power Sources, 2020, 451, 227817.	4.0	23
16	Chaperones Promote Remarkable Solubilization of Salmonella enterica serovar Enteritidis Flagellin Expressed in Escherichia coli. Protein and Peptide Letters, 2020, 27, 210-218.	0.4	2
17	Silica nanoparticle surface chemistry: An important trait affecting cellular biocompatibility in two and three dimensional culture systems. Colloids and Surfaces B: Biointerfaces, 2019, 182, 110353.	2.5	18
18	Improvement of the microfluidic microbial fuel cell using a nickel nanostructured electrode and microchannel modifications. Journal of Power Sources, 2019, 437, 226891.	4.0	30

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19	Optimal electronic waste combination for maximal recovery of Cu-Ni-Fe by Acidithiobacillus ferrooxidans. Journal of Cleaner Production, 2019, 240, 118077.	4.6	23
20	Ni and Cu recovery by bioleaching from the printed circuit boards of mobile phones in non-conventional medium. Journal of Environmental Management, 2019, 250, 109502.	3.8	32
21	Interpretation of the electrochemical response of a multi-population biofilm in a microfluidic microbial fuel cell using a comprehensive model. Bioelectrochemistry, 2019, 128, 39-48.	2.4	8
22	Developing a new approach for (biological) optimal control problems: Application to optimization of laccase production with a comparison between response surface methodology and novel geometric procedure. Mathematical Biosciences, 2019, 309, 23-33.	0.9	5
23	Study of plastics elimination in bioleaching of electronic waste using Acidithiobacillus ferrooxidans. International Journal of Environmental Science and Technology, 2019, 16, 7113-7126.	1.8	18
24	The effect of different light intensities and light/dark regimes on the performance of photosynthetic microalgae microbial fuel cell. Bioresource Technology, 2018, 261, 350-360.	4.8	105
25	A novel model for predicting bioelectrochemical performance of microsized-MFCs by incorporating bacterial chemotaxis parameters and simulation of biofilm formation. Bioelectrochemistry, 2018, 122, 51-60.	2.4	6
26	Content evaluation of different waste PCBs to enhance basic metals recycling. Resources, Conservation and Recycling, 2018, 139, 298-306.	5.3	86
27	Combinatorial Screening of Nanoclay-Reinforced Hydrogels: A Glimpse of the â€œHoly Grailâ€•in Orthopedic Stem Cell Therapy?. ACS Applied Materials & Interfaces, 2018, 10, 34924-34941.	4.0	54
28	Biodegradation of Cyanide under Alkaline Conditions by a Strain of Pseudomonas Putida Isolated from Gold Mine Soil and Optimization of Process Variables through Response Surface Methodology (RSM). Periodica Polytechnica: Chemical Engineering, 2018, 62, 265-273.	0.5	12
29	Integrated system of multiple batches to evaluate the continuous performance of microbial cells in decolourization processes. Journal of Environmental Chemical Engineering, 2018, 6, 728-735.	3.3	4
30	Dynamical Analysis of Microfluidic Microbial Electrolysis Cell via Integrated Experimental Investigation and Mathematical Modeling. Electrochimica Acta, 2017, 227, 317-329.	2.6	15
31	Modeling of microfluidic microbial fuel cells using quantitative bacterial transport parameters. Journal of Power Sources, 2017, 342, 1017-1031.	4.0	32
32	Degradation of azo dye methyl red by Saccharomyces cerevisiae ATCC 9763. International Biodeterioration and Biodegradation, 2017, 125, 62-72.	1.9	41
33	Simultaneously energy production and dairy wastewater treatment using bioelectrochemical cells: In different environmental and hydrodynamic modes. Chinese Journal of Chemical Engineering, 2017, 25, 1847-1855.	1.7	11
34	Biochemical production of bioenergy from agricultural crops and residue in Iran. Waste Management, 2016, 52, 375-394.	3.7	81
35	Enhanced Soil Remediation via Plant-Based Surfactant Compounds from Acanthophyllum Laxiusculum. Tenside, Surfactants, Detergents, 2016, 53, 324-331.	0.5	0
36	Curcumin-Loaded Amine-Functionalized Mesoporous Silica Nanoparticles Inhibit Î±-Synuclein Fibrillation and Reduce Its Cytotoxicity-Associated Effects. Langmuir, 2016, 32, 13394-13402.	1.6	61

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37	Biocatalysts in microbial electrolysis cells: A review. International Journal of Hydrogen Energy, 2016, 41, 1477-1493.	3.8	83
38	Characterization of a microfluidic microbial fuel cell as a power generator based on a nickel electrode. Biosensors and Bioelectronics, 2016, 79, 327-333.	5.3	56
39	Mathematical modeling of a slurry bubble column reactor for hydrodesulfurization of diesel fuel: Single- and two-bubble configurations. Chemical Engineering Research and Design, 2015, 100, 362-376.	2.7	33
40	Statistical Evaluation of Bioleaching of Mobile Phone and Computer Waste PCBs: A Comparative Study. Advanced Materials Research, 2015, 1104, 87-92.	0.3	7
41	A combined model for large scale batch culture MFC-digester with various wastewaters through different populations. Bioelectrochemistry, 2015, 106, 298-307.	2.4	16
42	The effect of mesoporous silica nanoparticle surface chemistry and concentration on the Î±-synuclein fibrillation. RSC Advances, 2015, 5, 60966-60974.	1.7	25
43	Effect of hydrogen combustion reaction on the dehydrogenation of ethane in a fixed-bed catalytic membrane reactor. Chinese Journal of Chemical Engineering, 2015, 23, 1316-1325.	1.7	15
44	A Generalized Model for Complex Wastewater Treatment with Simultaneous Bioenergy Production Using the Microbial Electrochemical Cell. Electrochimica Acta, 2015, 167, 84-96.	2.6	38
45	One-dimensional Conduction-based Modeling of Bioenergy Production in a Microbial Fuel Cell Engaged with Multi-population Biocatalysts. Electrochimica Acta, 2015, 184, 151-163.	2.6	25
46	Produced Water Treatment with Simultaneous Bioenergy Production Using Novel Bioelectrochemical Systems. Electrochimica Acta, 2015, 180, 535-544.	2.6	34
47	Process Optimization and Modeling of Anaerobic Digestion of Cow Manure for Enhanced Biogas Yield in a Mixed Plug-flow Reactor using Response Surface Methodology. Biosciences, Biotechnology Research Asia, 2015, 12, 2333-2344.	0.2	6
48	Production of Biodiesel from Waste Frying Oil Using Whole Cell Biocatalysts: Optimization of Effective Factors. Waste and Biomass Valorization, 2014, 5, 947-954.	1.8	5
49	Some Investigations on Protease Enzyme Production Kinetics UsingBacillus licheniformisBBRC 100053 and Effects of Inhibitors on Protease Activity. International Journal of Chemical Engineering, 2014, 2014, 1-6.	1.4	5
50	Biodegradation of cyanide by a new isolated strain under alkaline conditions and optimization by response surface methodology (RSM). Journal of Environmental Health Science & Engineering, 2014, 12, 85.	1.4	41
51	Optimization of biomass and biokinetic constant in Mazut biodegradation by indigenous bacteria BBRC10061. Journal of Environmental Health Science & Engineering, 2014, 12, 98.	1.4	3
52	Screening and optimization of effective parameters in biological extraction of heavy metals from refinery spent catalysts using a thermophilic bacterium. Separation and Purification Technology, 2013, 118, 151-161.	3.9	56
53	Comparison of different strategies for the assembly of gold colloids onto Fe3O4@SiO2 nanocomposite particles. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 49, 30-38.	1.3	12
54	Removal of chlorophenolic derivatives by soil isolated ascomycete of Paraconiothyrium variabile and studying the role of its extracellular laccase. Journal of Hazardous Materials, 2012, 209-210, 199-203.	6.5	46

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55	Heavy metal tolerance of fungi. Scientia Iranica, 2011, 18, 502-508.	0.3	129
56	Bioleaching of tungsten-rich spent hydrocracking catalyst using Penicillium simplicissimum. Bioresource Technology, 2011, 102, 1567-1573.	4.8	95
57	Recovery of metals from spent refinery hydrocracking catalyst using adapted Aspergillus niger. Hydrometallurgy, 2011, 109, 65-71.	1.8	60
58	Enhancement of bioleaching of a spent Ni/Mo hydroprocessing catalyst by Penicillium simplicissimum. Separation and Purification Technology, 2011, 80, 566-576.	3.9	87
59	Simulation of competition between two microorganisms in a biofilm reactor based on different growth models. Biochemical Engineering Journal, 2005, 23, 63-72.	1.8	5