Reza Gheshlaghi

List of Publications by Year
in descending order

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Version: 2024-02-01

30 papers	944 citations	471061 17 h-index	476904 29 g-index
32 all docs	32 docs citations	32 times ranked	1348 citing authors

#	Article	IF	Citations
1	Metabolic pathways of clostridia for producing butanol. Biotechnology Advances, 2009, 27, 764-781.	6.0	200
2	Application of statistical design for the optimization of amino acid separation by reverse-phase HPLC. Analytical Biochemistry, 2008, 383, 93-102.	1.1	100
3	Medium optimization for hen egg white lysozyme production by recombinantAspergillus niger using statistical methods. Biotechnology and Bioengineering, 2005, 90, 754-760.	1.7	69
4	Optimization of the performance of a double-chamber microbial fuel cell through factorial design of experiments and response surface methodology. Fuel, 2015, 150, 434-440.	3.4	50
5	Mathematical modeling of two-chamber batch microbial fuel cell with pure culture of Shewanella. Chemical Engineering Research and Design, 2017, 117, 34-42.	2.7	49
6	Characterization and modeling of a crude oil desalting plant by a statistically designed approach. Journal of Petroleum Science and Engineering, 2008, 61, 116-123.	2.1	44
7	Economic optimization of stacked microbial fuel cells to maximize power generation and treatment of wastewater with minimal operating costs. International Journal of Hydrogen Energy, 2019, 44, 20355-20367.	3.8	44
8	Neural network and neuro-fuzzy modeling to investigate the power density and Columbic efficiency of microbial fuel cell. Journal of the Taiwan Institute of Chemical Engineers, 2016, 58, 84-91.	2.7	38
9	Effect of light spectrum on isolation of microalgae from urban wastewater and growth characteristics of subsequent cultivation of the isolated species. Algal Research, 2018, 29, 154-158.	2.4	31
10	Electricity generation from river sediments using a partitioned open channel sediment microbial fuel cell. International Journal of Hydrogen Energy, 2017, 42, 5252-5260.	3.8	29
11	Optimization of lipid production in Chlorella vulgaris for biodiesel production using flux balance analysis. Biochemical Engineering Journal, 2019, 141, 131-145.	1.8	27
12	The effect of number and configuration of sediment microbial fuel cells on their performance in an open channel architecture. Journal of Power Sources, 2016, 325, 739-744.	4.0	26
13	Investigating the effects of eleven key physicochemical factors on growth and lipid accumulation of Chlorella sp. as a feedstock for biodiesel production. Journal of Biotechnology, 2021, 340, 64-74.	1.9	26
14	A comparison study of different decellularization treatments on bovine articular cartilage. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 1861-1871.	1.3	24
15	Dynamic modeling of a continuous two-chamber microbial fuel cell with pure culture of Shewanella. International Journal of Hydrogen Energy, 2017, 42, 21198-21202.	3.8	21
16	Impact of light/dark cycle on electrical and electrochemical characteristics of algal cathode sediment microbial fuel cells. Journal of Power Sources, 2020, 475, 228686.	4.0	21
17	Improved lipid and biomass productivities in Chlorella vulgaris by differing the inoculation medium from the production medium. Biofuel Research Journal, 2016, 3, 410-416.	7.2	21
18	CNT-decellularized cartilage hybrids for tissue engineering applications. Biomedical Materials (Bristol), 2017, 12, 065008.	1.7	17

#	Article	IF	Citations
19	Construction and Characterization of a New Recombinant Vector to Remove Sulfate Repression of dsz Promoter Transcription in Biodesulfurization of Dibenzothiophene. Frontiers in Microbiology, 2018, 9, 1578.	1.5	16
20	Improved transesterification conditions for production of clean fuel from municipal wastewater microalgae feedstock. Journal of Cleaner Production, 2019, 241, 118388.	4.6	15
21	Metabolic flux analysis for optimizing the specific growth rate of recombinant Aspergillus niger. Bioprocess and Biosystems Engineering, 2007, 30, 397-418.	1.7	14
22	Algal cultivation strategies for enhancing production of Chlorella sorokiniana IG-W-96 biomass and bioproducts. Algal Research, 2022, 62, 102630.	2.4	13
23	The effects of viscosity, surface tension, and flow rate on gasoil-water flow pattern in microchannels. Korean Journal of Chemical Engineering, 2013, 30, 45-49.	1.2	11
24	Optimization of dissolved air flotation technique in harvesting microalgae from treated wastewater without flocculants addition. Journal of Renewable and Sustainable Energy, 2015, 7, .	0.8	10
25	The Response Surface Method as an Experimental Design Technique to Explore and Model the Performance of Corrosion Inhibitors. Corrosion, 2015, 71, 819-827.	0.5	8
26	Enhancing the biodesulphurization capacity of Rhodococcus sp. FUM94 in a biphasic system through optimization of operational factors. Journal of Applied Microbiology, 2022, 132, 3461-3475.	1.4	7
27	Characterization of Truncated dsz Operon Responsible for Dibenzothiophene Biodesulfurization in Rhodococcus sp. FUM94. Applied Biochemistry and Biotechnology, 2018, 184, 885-896.	1.4	6
28	Suitability of Sequence-Based Feature Vector for Classification Algorithm Improves Accuracy of Human Protein-Protein Interaction Prediction: A Red Blood Cell Case Study. Current Bioinformatics, 2016, 11, 291-300.	0.7	4
29	Lipid content and biomass production of Chlorella vulgaris is affected by growth conditions. , 2012, , .		1
30	Role of ohmic resistance on the performance of pure culture microbial fuel cell. , 2012, , .		0