Azadeh Kermanshahi-pour

List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Derivation and synthesis of renewable surfactants. Chemical Society Reviews, 2012, 41, 1499-1518.	38.1	237
2	Removal of pharmaceutical compounds in water and wastewater using fungal oxidoreductase enzymes. Environmental Pollution, 2018, 234, 190-213.	7.5	179
3	Immobilized laccase on oxygen functionalized nanobiochars through mineral acids treatment for removal of carbamazepine. Science of the Total Environment, 2017, 584-585, 393-401.	8.0	127
4	Microalgae disruption techniques for product recovery: influence of cell wall composition. Journal of Applied Phycology, 2019, 31, 61-88.	2.8	124
5	Pinewood nanobiochar: A unique carrier for the immobilization of crude laccase by covalent bonding. International Journal of Biological Macromolecules, 2018, 115, 563-571.	7.5	64
6	Biodegradation of petroleum hydrocarbons in an immobilized cell airlift bioreactor. Water Research, 2005, 39, 3704-3714.	11.3	52
7	Biotransformation of carbamazepine by laccase-mediator system: Kinetics, by-products and toxicity assessment. Process Biochemistry, 2018, 67, 147-154.	3.7	52
8	Microalgae cultivation in thin stillage anaerobic digestate for nutrient recovery and bioproduct production. Algal Research, 2020, 47, 101867.	4.6	47
9	Fabrication of nanobiocatalyst using encapsulated laccase onto chitosan-nanobiochar composite. International Journal of Biological Macromolecules, 2019, 124, 530-536.	7.5	44
10	Enzymatic and acid hydrolysis of Tetraselmis suecica for polysaccharide characterization. Bioresource Technology, 2014, 173, 415-421.	9.6	42
11	Extraction of anthocyanins from haskap berry pulp using supercritical carbon dioxide: Influence of co-solvent composition and pretreatment. LWT - Food Science and Technology, 2018, 98, 237-244.	5.2	40
12	Lipid production in Rhodosporidium toruloides using C-6 and C-5 wood hydrolysate: A comparative study. Biomass and Bioenergy, 2019, 130, 105355.	5.7	34
13	Potential of biological approaches for cyanotoxin removal from drinking water: A review. Ecotoxicology and Environmental Safety, 2019, 172, 488-503.	6.0	34
14	Challenges in lipid production from lignocellulosic biomass using <i>Rhodosporidium</i> sp.; A look at the role of lignocellulosic inhibitors. Biofuels, Bioproducts and Biorefining, 2019, 13, 740-759.	3.7	32
15	Biodegradation of microcystin-LR using acclimatized bacteria isolated from different units of the drinking water treatment plant. Environmental Pollution, 2018, 242, 407-416.	7.5	31
16	Mechanisms of biodegradation of dibenzoate plasticizers. Chemosphere, 2009, 77, 258-263.	8.2	27
17	Supercritical Carbon Dioxide for Pharmaceutical Co-Crystal Production. Crystal Growth and Design, 2020, 20, 6226-6244.	3.0	26
18	Anaerobic digestion of thin stillage of corn ethanol plant in a novel anaerobic baffled reactor. Waste Management, 2018, 78, 541-552.	7.4	25

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19	Physico-chemical treatment for the degradation of cyanotoxins with emphasis on drinking water treatment—How far have we come?. Journal of Environmental Chemical Engineering, 2018, 6, 5369-5388.	6.7	25
20	Physical and biological removal of Microcystin-LR and other water contaminants in a biofilter using Manganese Dioxide coated sand and Graphene sand composites. Science of the Total Environment, 2020, 703, 135052.	8.0	25
21	Algal Polysaccharides-Based Hydrogels: Extraction, Synthesis, Characterization, and Applications. Marine Drugs, 2022, 20, 306.	4.6	24
22	Agro-industrial residues as a unique support in a sand filter to enhance the bioactivity to remove microcystin-Leucine aRginine and organics. Science of the Total Environment, 2019, 670, 971-981.	8.0	22
23	Metabolites from the biodegradation of 1,6â€hexanediol dibenzoate, a potential green plasticizer, by <i>Rhodococcus rhodochrous</i> . Journal of Mass Spectrometry, 2009, 44, 662-671.	1.6	21
24	Evaluating the potential of a novel anaerobic baffled reactor for anaerobic digestion of thin stillage: Effect of organic loading rate, hydraulic retention time and recycle ratio. Renewable Energy, 2019, 135, 975-983.	8.9	21
25	Novel fluidized-bed biofilm reactor for concomitant removal of microcystin-LR and organics. Chemical Engineering Journal, 2019, 359, 99-111.	12.7	19
26	Life cycle assessment and techno-economic analysis of a novel closed loop corn ethanol biorefinery. Sustainable Production and Consumption, 2022, 30, 359-376.	11.0	18
27	Kinetic modeling of the biodegradation of the aqueous p-xylene in the immobilized soil bioreactor. Biochemical Engineering Journal, 2006, 27, 204-211.	3.6	16
28	Dispersed air flotation of Chlorella saccharophila and subsequent extraction of lipids – Effect of supercritical CO2 extraction parameters and surfactant pretreatment. Biomass and Bioenergy, 2019, 127, 105297.	5.7	16
29	Co-culturing of native bacteria from drinking water treatment plant with known degraders to accelerate microcystin-LR removal using biofilter. Chemical Engineering Journal, 2020, 383, 123090.	12.7	13
30	Biodegradation kinetics of dibenzoate plasticizers and their metabolites. Biochemical Engineering Journal, 2013, 70, 35-45.	3.6	11
31	Development of remediation technologies for organic contaminants informed by QSAR/QSPR models. Environmental Advances, 2021, 5, 100112.	4.8	9
32	Improvement of culture conditions for cell biomass and fatty acid production by marine thraustochytrid F24-2. Journal of Applied Phycology, 2018, 30, 329-339.	2.8	8
33	Data set of green extraction of valuable chemicals from lignocellulosic biomass using microwave method. Data in Brief, 2019, 26, 104347.	1.0	7
34	Conversion of Lignocellulosic Biomass to Reducing Sugars in High Pressure and Supercritical Fluids: Greener Alternative for Biorefining of Renewables. Advanced Sustainable Systems, 2021, 5, 2000275.	5.3	7
35	Transformation under pressure: Discovery of a novel crystalline form of anthelmintic drug Praziquantel using high-pressure supercritical carbon dioxide. International Journal of Pharmaceutics, 2022, 619, 121723.	5.2	7
36	Ternary Phase Diagram Development and Production of Niclosamide-Urea Co-Crystal by Spray Drying. Journal of Pharmaceutical Sciences, 2021, 110, 2063-2073.	3.3	6

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37	A novel process for preparation of fatty acid oil mixture in solid form. Food Chemistry, 2017, 229, 50-56.	8.2	3
38	A novel process for isolation and purification of polyunsaturated fatty acids from a thraustochytrid. Algal Research, 2020, 46, 101806.	4.6	3
39	Simple Technoeconomic Approach to Chlortetracycline Removal from Wastewater Treatment Plant. Journal of Hazardous, Toxic, and Radioactive Waste, 2019, 23, .	2.0	1
40	Dataset of breakthrough time for various modified sand materials using Rhodamine-B as an adsorbate. Data in Brief, 2019, 27, 104751.	1.0	0