

Azadeh Kermanshahi-pour

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,502
citations

331259

21
h-index

315357

38
g-index

43
all docs

43
docs citations

43
times ranked

1947
citing authors

#	ARTICLE	IF	CITATIONS
1	Derivation and synthesis of renewable surfactants. <i>Chemical Society Reviews</i> , 2012, 41, 1499-1518.	18.7	237
2	Removal of pharmaceutical compounds in water and wastewater using fungal oxidoreductase enzymes. <i>Environmental Pollution</i> , 2018, 234, 190-213.	3.7	179
3	Immobilized laccase on oxygen functionalized nanobiochars through mineral acids treatment for removal of carbamazepine. <i>Science of the Total Environment</i> , 2017, 584-585, 393-401.	3.9	127
4	Microalgae disruption techniques for product recovery: influence of cell wall composition. <i>Journal of Applied Phycology</i> , 2019, 31, 61-88.	1.5	124
5	Pinewood nanobiochar: A unique carrier for the immobilization of crude laccase by covalent bonding. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 563-571.	3.6	64
6	Biodegradation of petroleum hydrocarbons in an immobilized cell airlift bioreactor. <i>Water Research</i> , 2005, 39, 3704-3714.	5.3	52
7	Biotransformation of carbamazepine by laccase-mediator system: Kinetics, by-products and toxicity assessment. <i>Process Biochemistry</i> , 2018, 67, 147-154.	1.8	52
8	Microalgae cultivation in thin stillage anaerobic digestate for nutrient recovery and bioproduct production. <i>Algal Research</i> , 2020, 47, 101867.	2.4	47
9	Fabrication of nanobio-catalyst using encapsulated laccase onto chitosan-nanobiochar composite. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 530-536.	3.6	44
10	Enzymatic and acid hydrolysis of <i>Tetraselmis suecica</i> for polysaccharide characterization. <i>Bioresource Technology</i> , 2014, 173, 415-421.	4.8	42
11	Extraction of anthocyanins from haskap berry pulp using supercritical carbon dioxide: Influence of co-solvent composition and pretreatment. <i>LWT - Food Science and Technology</i> , 2018, 98, 237-244.	2.5	40
12	Lipid production in <i>Rhodospiridium toruloides</i> using C-6 and C-5 wood hydrolysate: A comparative study. <i>Biomass and Bioenergy</i> , 2019, 130, 105355.	2.9	34
13	Potential of biological approaches for cyanotoxin removal from drinking water: A review. <i>Ecotoxicology and Environmental Safety</i> , 2019, 172, 488-503.	2.9	34
14	Challenges in lipid production from lignocellulosic biomass using <i>Rhodospiridium</i> sp.; A look at the role of lignocellulosic inhibitors. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 740-759.	1.9	32
15	Biodegradation of microcystin-LR using acclimatized bacteria isolated from different units of the drinking water treatment plant. <i>Environmental Pollution</i> , 2018, 242, 407-416.	3.7	31
16	Mechanisms of biodegradation of dibenzoate plasticizers. <i>Chemosphere</i> , 2009, 77, 258-263.	4.2	27
17	Supercritical Carbon Dioxide for Pharmaceutical Co-Crystal Production. <i>Crystal Growth and Design</i> , 2020, 20, 6226-6244.	1.4	26
18	Anaerobic digestion of thin stillage of corn ethanol plant in a novel anaerobic baffled reactor. <i>Waste Management</i> , 2018, 78, 541-552.	3.7	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?. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5369-5388.	3.3	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. <i>Science of the Total Environment</i> , 2020, 703, 135052.	3.9	25
21	Algal Polysaccharides-Based Hydrogels: Extraction, Synthesis, Characterization, and Applications. <i>Marine Drugs</i> , 2022, 20, 306.	2.2	24
22	Agro-industrial residues as a unique support in a sand filter to enhance the bioactivity to remove microcystin-Leucine arginine and organics. <i>Science of the Total Environment</i> , 2019, 670, 971-981.	3.9	22
23	Metabolites from the biodegradation of 1,6-hexanediol dibenzoate, a potential green plasticizer, by <i>Rhodococcus rhodochrous</i> . <i>Journal of Mass Spectrometry</i> , 2009, 44, 662-671.	0.7	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. <i>Renewable Energy</i> , 2019, 135, 975-983.	4.3	21
25	Novel fluidized-bed biofilm reactor for concomitant removal of microcystin-LR and organics. <i>Chemical Engineering Journal</i> , 2019, 359, 99-111.	6.6	19
26	Life cycle assessment and techno-economic analysis of a novel closed loop corn ethanol biorefinery. <i>Sustainable Production and Consumption</i> , 2022, 30, 359-376.	5.7	18
27	Kinetic modeling of the biodegradation of the aqueous p-xylene in the immobilized soil bioreactor. <i>Biochemical Engineering Journal</i> , 2006, 27, 204-211.	1.8	16
28	Dispersed air flotation of <i>Chlorella saccharophila</i> and subsequent extraction of lipids—Effect of supercritical CO ₂ extraction parameters and surfactant pretreatment. <i>Biomass and Bioenergy</i> , 2019, 127, 105297.	2.9	16
29	Co-culturing of native bacteria from drinking water treatment plant with known degraders to accelerate microcystin-LR removal using biofilter. <i>Chemical Engineering Journal</i> , 2020, 383, 123090.	6.6	13
30	Biodegradation kinetics of dibenzoate plasticizers and their metabolites. <i>Biochemical Engineering Journal</i> , 2013, 70, 35-45.	1.8	11
31	Development of remediation technologies for organic contaminants informed by QSAR/QSPR models. <i>Environmental Advances</i> , 2021, 5, 100112.	2.2	9
32	Improvement of culture conditions for cell biomass and fatty acid production by marine thraustochytrid F24-2. <i>Journal of Applied Phycology</i> , 2018, 30, 329-339.	1.5	8
33	Data set of green extraction of valuable chemicals from lignocellulosic biomass using microwave method. <i>Data in Brief</i> , 2019, 26, 104347.	0.5	7
34	Conversion of Lignocellulosic Biomass to Reducing Sugars in High Pressure and Supercritical Fluids: Greener Alternative for Biorefining of Renewables. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000275.	2.7	7
35	Transformation under pressure: Discovery of a novel crystalline form of anthelmintic drug Praziquantel using high-pressure supercritical carbon dioxide. <i>International Journal of Pharmaceutics</i> , 2022, 619, 121723.	2.6	7
36	Ternary Phase Diagram Development and Production of Niclosamide-Urea Co-Crystal by Spray Drying. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 2063-2073.	1.6	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.	4.2	3
38	A novel process for isolation and purification of polyunsaturated fatty acids from a thraustochytrid. Algal Research, 2020, 46, 101806.	2.4	3
39	Simple Technoeconomic Approach to Chlortetracycline Removal from Wastewater Treatment Plant. Journal of Hazardous, Toxic, and Radioactive Waste, 2019, 23, .	1.2	1
40	Dataset of breakthrough time for various modified sand materials using Rhodamine-B as an adsorbate. Data in Brief, 2019, 27, 104751.	0.5	0