Naz Chaibakhsh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1698607/publications.pdf

Version: 2024-02-01

48 papers	1,304 citations	331538 21 h-index	360920 35 g-index
48 all docs	48 docs citations	48 times ranked	1678 citing authors

#	Article	IF	Citations
1	Efficient removal of cytotoxic drugs from wastewater by single-stage combined photocatalysisâ€“algae treatment process. Environmental Technology (United Kingdom), 2021, 42, 3178-3190.	1.2	9
2	Coagulation/Fenton oxidation combined treatment of compost leachate using quince seed mucilage as an effective biocoagulant. Environmental Technology (United Kingdom), 2021, 42, 521-530.	1.2	4
3	Nonenzymatic dopamine biosensor based on tannin nanocomposite. Journal of Polymer Science, 2021, 59, 428-438.	2.0	5
4	Efficient visible-light photocatalytic ozonation for dye degradation using Fe₂O₃/MoS₂ nanocomposite. Separation Science and Technology, 2021, 56, 3022-3032.	1.3	15
5	A novel functionalized chitosan nanoadsorbent for efficient elimination of malachite green from aqueous media. Environmental Progress and Sustainable Energy, 2021, 40, e13576.	1.3	4
6	Fabrication of ZnO/FeVO4 heterojunction nanocomposite with high catalytic activity in photo-Fenton-like process. Journal of Alloys and Compounds, 2020, 817, 152702.	2.8	32
7	Long-term corrosion resistance of zinc-rich paint using functionalised multi-layer graphene-tripolyphosphate: in situ creation of zinc phosphate as corrosion inhibitor. Corrosion Engineering Science and Technology, 2019, 54, 698-714.	0.7	12
8	Highly efficient removal of surfactant from industrial effluents using flaxseed mucilage in coagulation/photo-Fenton oxidation process. Chemosphere, 2019, 231, 51-59.	4.2	29
9	Enzyme mimetic activities of spinel substituted nanoferrites (MFe2O4): A review of synthesis, mechanism and potential applications. Materials Science and Engineering C, 2019, 99, 1424-1447.	3.8	62
10	Optimization of sono-Fenton degradation of Acid Blue 113 using iron vanadate nanoparticles. Separation Science and Technology, 2019, 54, 2943-2958.	1.3	19
11	Optimized fabrication of newly cholesterol biosensor based on nanocellulose. International Journal of Biological Macromolecules, 2019, 126, 1213-1222.	3.6	54
12	Treatment of wastewater containing cytotoxic drugs by CoFe₂O₄ nanoparticles in Fenton/ozone oxidation process. Separation Science and Technology, 2018, 53, 2671-2682.	1.3	15
13	Biological treatment of high salinity produced water by microbial consortia in a batch stirred tank reactor: Modelling and kinetics study. Chemical Engineering Communications, 2018, 205, 387-401.	1.5	16
14	Eco-friendly synthesis of maleate ester: A comparison between solid acid and enzyme-catalyzed esterification. Sustainable Chemistry and Pharmacy, 2018, 8, 82-87.	1.6	4
15	Optimized treatment of wastewater containing cytotoxic drugs by living and dead biomass of the freshwater microalga, Chlorella vulgaris. Ecological Engineering, 2018, 111, 85-93.	1.6	27
16	Synthesis of MoS2/MnFe2O4 nanocomposite with highly efficient catalytic performance in visible light photo-Fenton-like process. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 367, 420-428.	2.0	56
17	Chemical sensor using metal-organic complex: Preparation, characterization and application for highly selective detection of cyanide ions in mixed aqueous-organic media. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 367, 384-389.	2.0	27
18	Thermodynamic study of the ternary mixed electrolyte ([EMIm]BrÂ+ÂLiBrÂ+ÂH2O) system using potentiometric measurements. Fluid Phase Equilibria, 2017, 436, 1-12.	1.4	4

#	Article	IF	Citations
19	Application of nanoscale ZnS/TiO 2 composite for optimized photocatalytic decolorization of a textile dye. Journal of Applied Research and Technology, 2017, 15, 378-385.	0.6	58
20	Use of <scp>D</scp>escurainia sophia <scp>L</scp>. As a natural coagulant for the treatment of dyeâ€containing wastewater. Environmental Progress and Sustainable Energy, 2016, 35, 996-1001.	1.3	7
21	Investigation of the impact of immobilized cells and the nitrification process using a coupled moving bed biofilm reactor and activated sludge bioreactor for biodegradation of high concentrations of dimethyl formamide. Chemical Engineering Research and Design, 2016, 102, 523-533.	2.7	20
22	Colorimetric probes based on bioactive organic dyes for selective sensing of cyanide and fluoride ions. Sensors and Actuators B: Chemical, 2016, 230, 388-397.	4.0	56
23	Use of a plant-based coagulant in coagulationâ€“ozonation combined treatment of leachate from a waste dumping site. Ecological Engineering, 2016, 90, 431-437.	1.6	59
24	Optimization of photocatalytic degradation of neutral red dye using TiO₂nanocatalyst via Box-Behnken design. Desalination and Water Treatment, 2016, 57, 9296-9306.	1.0	24
25	Mucilaginous seed of Ocimum basilicum as a natural coagulant for textile wastewater treatment. Industrial Crops and Products, 2015, 69, 40-47.	2.5	91
26	Amperometric Determination of Quercetin in Some Foods by Magnetic Core/Shell Fe3O4@ZnO Nanoparticles Modified Glassy Carbon Electrode. Food Analytical Methods, 2015, 8, 1911-1922.	1.3	17
27	Enzymatic production of a solvent-free menthyl butyrate via response surface methodology catalyzed by a novel thermostable lipase fromGeobacillus zalihae. Biotechnology and Biotechnological Equipment, 2014, 28, 1065-1072.	0.5	29
28	Long-Term Prediction of Biological Wastewater Treatment Process Behavior via Wiener-Laguerre Network Model. International Journal of Chemical Engineering, 2014, 2014, 1-7.	1.4	7
29	Use of Plantago major L. as a natural coagulant for optimized decolorization of dye-containing wastewater. Industrial Crops and Products, 2014, 61, 169-175.	2.5	59
30	A multivariate modeling for analysis of factors controlling the particle size and viscosity in palm kernel oil esters-based nanoemulsions. Industrial Crops and Products, 2014, 52, 506-511.	2.5	13
31	Formulation development and optimization of palm kernel oil esters-based nanoemulsions containing sodium diclofenac. International Journal of Nanomedicine, 2014, 9, 539.	3.3	16
32	Response Surface Modeling and Optimization of Immobilized Candida antarctica Lipase-Catalyzed Production of Dicarboxylic Acid Ester. Chemical Product and Process Modeling, 2012, 7, .	0.5	2
33	Lipase-catalyzed synthesis of ergosterol ester. Biocatalysis and Agricultural Biotechnology, 2012, 1, 51-56.	1.5	9
34	Optimization of enzymatic synthesis of eugenol ester using statistical approaches. Biocatalysis and Agricultural Biotechnology, 2012, 1, 226-231.	1.5	25
35	Artificial neural network analysis of lipase-catalyzed synthesis of sugar alcohol ester. Industrial Crops and Products, 2011, 33, 42-48.	2.5	18
36	Modeling and optimization of lipase-catalyzed production of succinic acid ester using central composite design analysis. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 229-234.	1.4	14

#	Article	IF	Citations
37	Chemometric analysis of lipase-catalyzed synthesis of xylitol esters in a solvent-free system. Carbohydrate Research, 2011, 346, 472-479.	1.1	19
38	Modeling of membrane bioreactor treating hypersaline oily wastewater by artificial neural network. Journal of Hazardous Materials, 2011, 192, 568-575.	6.5	80
39	Effect of Alcohol Structure on the Optimum Condition for Novozym 435-Catalyzed Synthesis of Adipate Esters. Biotechnology Research International, 2011, 2011, 1-7.	1.4	6
40	Lipaseâ€catalyzed dimethyl adipate synthesis: Response surface modeling and kinetics. Biotechnology Journal, 2010, 5, 848-855.	1.8	12
41	Optimization of operational conditions for adipate ester synthesis in a stirred tank reactor. Biotechnology and Bioprocess Engineering, 2010, 15, 846-853.	1.4	13
42	Optimization of lipase-catalyzed synthesis of xylitol ester by Taguchi robust design method. Industrial Crops and Products, 2010, 31, 350-356.	2.5	46
43	Optimized enzymatic synthesis of levulinate ester in solvent-free system. Industrial Crops and Products, 2010, 32, 246-251.	2.5	85
44	Fuzzy modeling and optimization of biochemical processes: A case study. , 2010, , .		2
45	Optimized lipase-catalyzed synthesis of adipate ester in a solvent-free system. Journal of Industrial Microbiology and Biotechnology, 2009, 36, 1149-1155.	1.4	34
46	Application of Artificial Neural Network for Yield Prediction of Lipase-Catalyzed Synthesis of Dioctyl Adipate. Applied Biochemistry and Biotechnology, 2009, 158, 722-735.	1.4	39
47	Effect of alcohol chain length on the optimum conditions for lipase-catalyzed synthesis of adipate esters. Biocatalysis and Biotransformation, 2009, 27, 303-308.	1.1	19
48	Modeling and optimization of lipaseâ€catalyzed synthesis of dilauryl adipate ester by response surface methodology. Journal of Chemical Technology and Biotechnology, 2008, 83, 1534-1540.	1.6	31