

# Naz Chaibakhsh

## List of Publications by Year in descending order

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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	Mucilaginous seed of <i>Ocimum basilicum</i> as a natural coagulant for textile wastewater treatment. <i>Industrial Crops and Products</i> , 2015, 69, 40-47.	2.5	91
2	Optimized enzymatic synthesis of levulinate ester in solvent-free system. <i>Industrial Crops and Products</i> , 2010, 32, 246-251.	2.5	85
3	Modeling of membrane bioreactor treating hypersaline oily wastewater by artificial neural network. <i>Journal of Hazardous Materials</i> , 2011, 192, 568-575.	6.5	80
4	Enzyme mimetic activities of spinel substituted nanoferrites (MFe <sub>2</sub> O <sub>4</sub> ): A review of synthesis, mechanism and potential applications. <i>Materials Science and Engineering C</i> , 2019, 99, 1424-1447.	3.8	62
5	Use of <i>Plantago major</i> L. as a natural coagulant for optimized decolorization of dye-containing wastewater. <i>Industrial Crops and Products</i> , 2014, 61, 169-175.	2.5	59
6	Use of a plant-based coagulant in coagulation-ozonation combined treatment of leachate from a waste dumping site. <i>Ecological Engineering</i> , 2016, 90, 431-437.	1.6	59
7	Application of nanoscale ZnS/TiO <sub>2</sub> composite for optimized photocatalytic decolorization of a textile dye. <i>Journal of Applied Research and Technology</i> , 2017, 15, 378-385.	0.6	58
8	Colorimetric probes based on bioactive organic dyes for selective sensing of cyanide and fluoride ions. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 388-397.	4.0	56
9	Synthesis of MoS <sub>2</sub> /MnFe <sub>2</sub> O <sub>4</sub> nanocomposite with highly efficient catalytic performance in visible light photo-Fenton-like process. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 367, 420-428.	2.0	56
10	Optimized fabrication of newly cholesterol biosensor based on nanocellulose. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 1213-1222.	3.6	54
11	Optimization of lipase-catalyzed synthesis of xylitol ester by Taguchi robust design method. <i>Industrial Crops and Products</i> , 2010, 31, 350-356.	2.5	46
12	Application of Artificial Neural Network for Yield Prediction of Lipase-Catalyzed Synthesis of Dioctyl Adipate. <i>Applied Biochemistry and Biotechnology</i> , 2009, 158, 722-735.	1.4	39
13	Optimized lipase-catalyzed synthesis of adipate ester in a solvent-free system. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 1149-1155.	1.4	34
14	Fabrication of ZnO/FeVO <sub>4</sub> heterojunction nanocomposite with high catalytic activity in photo-Fenton-like process. <i>Journal of Alloys and Compounds</i> , 2020, 817, 152702.	2.8	32
15	Modeling and optimization of lipase-catalyzed synthesis of dilauryl adipate ester by response surface methodology. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 1534-1540.	1.6	31
16	Enzymatic production of a solvent-free menthyl butyrate via response surface methodology catalyzed by a novel thermostable lipase from <i>Geobacillus zalihae</i> . <i>Biotechnology and Biotechnological Equipment</i> , 2014, 28, 1065-1072.	0.5	29
17	Highly efficient removal of surfactant from industrial effluents using flaxseed mucilage in coagulation/photo-Fenton oxidation process. <i>Chemosphere</i> , 2019, 231, 51-59.	4.2	29
18	Optimized treatment of wastewater containing cytotoxic drugs by living and dead biomass of the freshwater microalga, <i>Chlorella vulgaris</i> . <i>Ecological Engineering</i> , 2018, 111, 85-93.	1.6	27

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19	Chemical sensor using metal-organic complex: Preparation, characterization and application for highly selective detection of cyanide ions in mixed aqueous-organic media. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 367, 384-389.	2.0	27
20	Optimization of enzymatic synthesis of eugenol ester using statistical approaches. <i>Biocatalysis and Agricultural Biotechnology</i> , 2012, 1, 226-231.	1.5	25
21	Optimization of photocatalytic degradation of neutral red dye using TiO <sub>2</sub> nanocatalyst via Box-Behnken design. <i>Desalination and Water Treatment</i> , 2016, 57, 9296-9306.	1.0	24
22	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. <i>Chemical Engineering Research and Design</i> , 2016, 102, 523-533.	2.7	20
23	Effect of alcohol chain length on the optimum conditions for lipase-catalyzed synthesis of adipate esters. <i>Biocatalysis and Biotransformation</i> , 2009, 27, 303-308.	1.1	19
24	Chemometric analysis of lipase-catalyzed synthesis of xylitol esters in a solvent-free system. <i>Carbohydrate Research</i> , 2011, 346, 472-479.	1.1	19
25	Optimization of sono-Fenton degradation of Acid Blue 113 using iron vanadate nanoparticles. <i>Separation Science and Technology</i> , 2019, 54, 2943-2958.	1.3	19
26	Artificial neural network analysis of lipase-catalyzed synthesis of sugar alcohol ester. <i>Industrial Crops and Products</i> , 2011, 33, 42-48.	2.5	18
27	Amperometric Determination of Quercetin in Some Foods by Magnetic Core/Shell Fe <sub>3</sub> O <sub>4</sub> @ZnO Nanoparticles Modified Glassy Carbon Electrode. <i>Food Analytical Methods</i> , 2015, 8, 1911-1922.	1.3	17
28	Formulation development and optimization of palm kernel oil esters-based nanoemulsions containing sodium diclofenac. <i>International Journal of Nanomedicine</i> , 2014, 9, 539.	3.3	16
29	Biological treatment of high salinity produced water by microbial consortia in a batch stirred tank reactor: Modelling and kinetics study. <i>Chemical Engineering Communications</i> , 2018, 205, 387-401.	1.5	16
30	Treatment of wastewater containing cytotoxic drugs by CoFe <sub>2</sub> O <sub>4</sub> nanoparticles in Fenton/ozone oxidation process. <i>Separation Science and Technology</i> , 2018, 53, 2671-2682.	1.3	15
31	Efficient visible-light photocatalytic ozonation for dye degradation using Fe <sub>2</sub> O <sub>3</sub> /MoS <sub>2</sub> nanocomposite. <i>Separation Science and Technology</i> , 2021, 56, 3022-3032.	1.3	15
32	Modeling and optimization of lipase-catalyzed production of succinic acid ester using central composite design analysis. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 229-234.	1.4	14
33	Optimization of operational conditions for adipate ester synthesis in a stirred tank reactor. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 846-853.	1.4	13
34	A multivariate modeling for analysis of factors controlling the particle size and viscosity in palm kernel oil esters-based nanoemulsions. <i>Industrial Crops and Products</i> , 2014, 52, 506-511.	2.5	13
35	Lipase-catalyzed dimethyl adipate synthesis: Response surface modeling and kinetics. <i>Biotechnology Journal</i> , 2010, 5, 848-855.	1.8	12
36	Long-term corrosion resistance of zinc-rich paint using functionalised multi-layer graphene-tripolyphosphate: in situ creation of zinc phosphate as corrosion inhibitor. <i>Corrosion Engineering Science and Technology</i> , 2019, 54, 698-714.	0.7	12

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37	Lipase-catalyzed synthesis of ergosterol ester. Biocatalysis and Agricultural Biotechnology, 2012, 1, 51-56.	1.5	9
38	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
39	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
40	Use of <i>Dalmanella sophia</i> as a natural coagulant for the treatment of dye-containing wastewater. Environmental Progress and Sustainable Energy, 2016, 35, 996-1001.	1.3	7
41	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
42	Nonenzymatic dopamine biosensor based on tannin nanocomposite. Journal of Polymer Science, 2021, 59, 428-438.	2.0	5
43	Thermodynamic study of the ternary mixed electrolyte ([EMIm]Br+LiBr+H <sub>2</sub> O) system using potentiometric measurements. Fluid Phase Equilibria, 2017, 436, 1-12.	1.4	4
44	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
45	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
46	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
47	Fuzzy modeling and optimization of biochemical processes: A case study. , 2010, , .		2
48	Response Surface Modeling and Optimization of Immobilized <i>Candida antarctica</i> Lipase-Catalyzed Production of Dicarboxylic Acid Ester. Chemical Product and Process Modeling, 2012, 7, .	0.5	2