

# Elaheh Motamedi

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

593  
citations

687363

13  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

514  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of the immobilized enzyme on magnetic graphene oxide nano-carrier as a versatile bi-functional tool for efficient removal of dye from water. <i>Bioresource Technology</i> , 2021, 319, 124228.	9.6	73
2	Removal of crystal violet from water using $\beta$ -cyclodextrin functionalized biogenic zero-valent iron nanoadsorbents synthesized via aqueous root extracts of <i>Ferula persica</i> . <i>Journal of Hazardous Materials</i> , 2019, 367, 325-338.	12.4	66
3	Stable cellulase immobilized on graphene oxide@CMC-g-poly(AMPS-co-AAm) hydrogel for enhanced enzymatic hydrolysis of lignocellulosic biomass. <i>Carbohydrate Polymers</i> , 2020, 230, 115661.	10.2	55
4	Highly efficient removal of dyes from wastewater using nanocellulose from quinoa husk as a carrier for immobilization of laccase. <i>Bioresource Technology</i> , 2022, 349, 126833.	9.6	54
5	Application of carboxymethyl cellulose-g-poly(acrylic acid-co-acrylamide) hydrogel sponges for improvement of efficiency, reusability and thermal stability of a recombinant xylanase. <i>Chemical Engineering Journal</i> , 2019, 375, 122022.	12.7	44
6	Fulfillment of green chemistry for synthesis of silver nanoparticles using root and leaf extracts of <i>Ferula persica</i> : Solid-state route vs. solution-phase method. <i>Journal of Cleaner Production</i> , 2018, 192, 514-530.	9.3	40
7	Immobilization of enzyme cocktails on dopamine functionalized magnetic cellulose nanocrystals to enhance sugar bioconversion: A biomass reusing loop. <i>Carbohydrate Polymers</i> , 2021, 256, 117511.	10.2	37
8	Efficient removal of various textile dyes from wastewater by novel thermo-halotolerant laccase. <i>Bioresource Technology</i> , 2021, 337, 125468.	9.6	37
9	Synthesis of green and pure copper oxide nanoparticles using two plant resources <i>via</i> solid-state route and their phytotoxicity assessment. <i>RSC Advances</i> , 2021, 11, 3346-3353.	3.6	28
10	Upgrading the enzymatic hydrolysis of lignocellulosic biomass by immobilization of metagenome-derived novel halotolerant cellulase on the carboxymethyl cellulose-based hydrogel. <i>Cellulose</i> , 2021, 28, 3485-3503.	4.9	24
11	The Stabilizing Mechanism of Immobilized Metagenomic Xylanases on Bio-Based Hydrogels to Improve Utilization Performance: Computational and Functional Perspectives. <i>Bioconjugate Chemistry</i> , 2020, 31, 2158-2171.	3.6	23
12	Suspended graphene oxide nanoparticle for accelerated multilayer osteoblast attachment. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 293-303.	4.0	22
13	Proficient dye removal from water using biogenic silver nanoparticles prepared through solid-state synthetic route. <i>Heliyon</i> , 2020, 6, e04730.	3.2	15
14	Synthesis of two novel bio-based hydrogels using sodium alginate and chitosan and their proficiency in physical immobilization of enzymes. <i>Scientific Reports</i> , 2022, 12, 2072.	3.3	15
15	Magnetic Solid Phase Extraction Coupled with HPLC Towards Removal of Pigments and Impurities from Leaf-derived Paclitaxel Extractions of <i>Taxus baccata</i> and Optimization via Response Surface Methodology. <i>Chromatographia</i> , 2015, 78, 1143-1157.	1.3	13
16	Carbonaceous sorbents alongside an optimized magnetic solid phase extraction (MSPE) towards enrichment of crude Paclitaxel extracts from callus cultures of <i>Taxus baccata</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1043, 96-106.	2.3	12
17	Application of free and immobilized novel bifunctional biocatalyst in biotransformation of recalcitrant lignocellulosic biomass. <i>Chemosphere</i> , 2021, 285, 131412.	8.2	12
18	Silica Magnetic Graphene Oxide Improves the Effects of Stem Cell-Conditioned Medium on Acute Liver Failure. <i>ACS Omega</i> , 2021, 6, 21194-21206.	3.5	11

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19	&lt;p&gt;Intraperitoneal Injection of Graphene Oxide Nanoparticle Accelerates Stem Cell Therapy Effects on Acute Kidney Injury&lt;/p&gt;. Stem Cells and Cloning: Advances and Applications, 2020, Volume 13, 21-32.	2.3	9
20	Comparative study of adsorptive role of carbonaceous materials in removal of UV-active impurities of paclitaxel extracts. Journal of Pharmaceutical Analysis, 2015, 5, 396-399.	5.3	3