

# Maryam Roza Yazdani

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

608  
citations

687220

13  
h-index

642610

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

642  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorptive removal of arsenic(V) from aqueous phase by feldspars: Kinetics, mechanism, and thermodynamic aspects of adsorption. <i>Journal of Molecular Liquids</i> , 2016, 214, 149-156.	2.3	107
2	Synthesis, characterization and exploitation of nano-TiO <sub>2</sub> /feldspar-embedded chitosan beads towards UV-assisted adsorptive abatement of aqueous arsenic (As). <i>Chemical Engineering Journal</i> , 2017, 316, 370-382.	6.6	55
3	Cellulose Nanofibrils Endow Phase-Change Polyethylene Glycol with Form Control and Solid-to-gel Transition for Thermal Energy Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 6188-6200.	4.0	51
4	Ionic cross-linked polyvinyl alcohol tunes vitrification and cold-crystallization of sugar alcohol for long-term thermal energy storage. <i>Green Chemistry</i> , 2020, 22, 5447-5462.	4.6	47
5	Tailored mesoporous biochar sorbents from pinecone biomass for the adsorption of natural organic matter from lake water. <i>Journal of Molecular Liquids</i> , 2019, 291, 111248.	2.3	45
6	Chitosan-Zinc(II) Complexes as a Bio-Sorbent for the Adsorptive Abatement of Phosphate: Mechanism of Complexation and Assessment of Adsorption Performance. <i>Polymers</i> , 2018, 10, 25.	2.0	44
7	Leakage-proof microencapsulation of phase change materials by emulsification with acetylated cellulose nanofibrils. <i>Carbohydrate Polymers</i> , 2021, 254, 117279.	5.1	40
8	Cost-effective Electro-Thermal Energy Storage to balance small scale renewable energy systems. <i>Journal of Energy Storage</i> , 2021, 41, 102829.	3.9	27
9	Efficient storage and recovery of waste heat by phase change material embedded within additively manufactured grid heat exchangers. <i>International Journal of Heat and Mass Transfer</i> , 2021, 181, 121846.	2.5	24
10	Cold-crystallizing erythritol-polyelectrolyte: Scaling up reliable long-term heat storage material. <i>Applied Energy</i> , 2020, 266, 114890.	5.1	23
11	Isotherm, Kinetic, and Thermodynamic of Cationic Dye Removal from Binary System by Feldspar. <i>Separation Science and Technology</i> , 2012, 47, 1660-1672.	1.3	22
12	Preparation and Characterization of Chitosan/Feldspar Biohybrid as an Adsorbent: Optimization of Adsorption Process via Response Surface Modeling. <i>Scientific World Journal</i> , The, 2014, 2014, 1-13.	0.8	17
13	Exceptional cold-crystallization kinetics of erythritol-polyelectrolyte enables long-term thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2021, 230, 111273.	3.0	17
14	Tailoring metal-impregnated biochars for selective removal of natural organic matter and dissolved phosphorus from the aqueous phase. <i>Microporous and Mesoporous Materials</i> , 2021, 328, 111499.	2.2	17
15	Hollow Filaments Synthesized by Dry-Jet Wet Spinning of Cellulose Nanofibrils: Structural Properties and Thermoregulation with Phase-Change Infills. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2908-2916.	2.0	15
16	Surfactant-modified feldspar: Isotherm, kinetic, and thermodynamic of binary system dye removal. <i>Journal of Applied Polymer Science</i> , 2012, 126, 340-349.	1.3	13
17	Thermal conductivity of sugar alcohols. <i>Solar Energy Materials and Solar Cells</i> , 2022, 243, 111796.	3.0	12
18	Feldspar/titanium dioxide/chitosan as a biophotocatalyst hybrid for the removal of organic dyes from aquatic phases. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	11

#	ARTICLE	IF	CITATIONS
19	Production and characterization of porous magnetic biochar: before and after phosphate adsorption insights. <i>Journal of Porous Materials</i> , 2022, 29, 849-859.	1.3	11
20	Wet extractive grinding process for efficient calcium recovery from steelmaking slags. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 151, 107917.	1.8	3
21	Adsorptive behavior of phosphorus onto recycled waste biosolids after being acid leached from wastewater sludge. <i>Chemical Engineering Journal Advances</i> , 2022, 11, 100329.	2.4	3
22	Dataset for natural organic matter treatment by tailored biochars. <i>Data in Brief</i> , 2019, 25, 104353.	0.5	2
23	Detailed performance analysis of the wet extractive grinding process for higher calcium yields from steelmaking slags. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 166, 108489.	1.8	2