

# Mahdi Hasanzadeh

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,460  
citations

393982

19  
h-index

329751

37  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1347  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoporous composites of activated carbon-metal organic frameworks for organic dye adsorption: Synthesis, adsorption mechanism and kinetics studies. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 405-414.	2.9	169
2	PPI-Dendrimer-Functionalized Magnetic Metal-Organic Framework (Fe <sub>3</sub> O <sub>4</sub> @MOF@PPI) with High Adsorption Capacity for Sustainable Wastewater Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 25294-25303.	4.0	111
3	The Role of Shear-Thickening Fluids (STFs) in Ballistic and Stab-Resistance Improvement of Flexible Armor. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 1182-1196.	1.2	104
4	The influence of carbon nanotubes on quasi-static puncture resistance and yarn pull-out behavior of shear-thickening fluids (STFs) impregnated woven fabrics. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 88, 263-271.	3.8	99
5	Conductive nanofibrous Chitosan/PEDOT:PSS tissue engineering scaffolds. <i>Materials Chemistry and Physics</i> , 2019, 237, 121882.	2.0	88
6	Self-Powered Wearable Piezoelectric Sensors Based on Polymer Nanofiber-Metal-Organic Framework Nanoparticle Composites for Arterial Pulse Monitoring. <i>ACS Applied Nano Materials</i> , 2020, 3, 8742-8752.	2.4	88
7	Optimization of electrospinning parameters for polyacrylonitrile-MgO nanofibers applied in air filtration. <i>Journal of the Air and Waste Management Association</i> , 2016, 66, 912-921.	0.9	63
8	Synthesis and characterization of micro-nanoencapsulated n -eicosane with PMMA shell as novel phase change materials for thermal energy storage. <i>Materials Chemistry and Physics</i> , 2018, 215, 299-304.	2.0	54
9	Kinetics and adsorptive study of organic dye removal using water-stable nanoscale metal organic frameworks. <i>Materials Chemistry and Physics</i> , 2019, 233, 267-275.	2.0	54
10	Numerical and experimental investigations into the response of STF-treated fabric composites undergoing ballistic impact. <i>Thin-Walled Structures</i> , 2017, 119, 700-706.	2.7	52
11	Rheological and viscoelastic behavior of concentrated colloidal suspensions of silica nanoparticles: A response surface methodology approach. <i>Advanced Powder Technology</i> , 2015, 26, 1570-1577.	2.0	51
12	<i>In situ</i> synthesis of quasi-needle-like bimetallic organic frameworks on highly porous graphene scaffolds for efficient electrocatalytic water oxidation. <i>Chemical Communications</i> , 2020, 56, 3135-3138.	2.2	47
13	Durable flame retardant finishing of cotton fabrics with poly(amidoamine) dendrimer using citric acid. <i>Materials Chemistry and Physics</i> , 2018, 219, 425-432.	2.0	41
14	Electrocatalytic hydrogen evolution reaction on graphene supported transition metal-organic frameworks. <i>Inorganic Chemistry Communication</i> , 2021, 127, 108525.	1.8	38
15	Efficient Removal of Pb(II) and Co(II) Ions from Aqueous Solution with a Chromium-Based Metal-Organic Framework/Activated Carbon Composites. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 4332-4341.	1.8	37
16	Tuning of the rheological properties of concentrated silica suspensions using carbon nanotubes. <i>Rheologica Acta</i> , 2016, 55, 759-766.	1.1	33
17	Fabrication of chitosan nanofibrous scaffolds based on tannic acid and metal-organic frameworks for hemostatic wound dressing applications. <i>International Journal of Biological Macromolecules</i> , 2022, 208, 409-420.	3.6	32
18	Activated carbon nanofiber produced from electrospun PAN nanofiber as a solid phase extraction sorbent for the preconcentration of organophosphorus pesticides. <i>Separation Science and Technology</i> , 2017, 52, 700-711.	1.3	24

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19	Rapid temperature-assisted synthesis of nanoporous $\beta$ -cyclodextrin-based metal-organic framework for selective CO <sub>2</sub> adsorption. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2021, 99, 245-253.	0.9	22
20	A $\beta$ -cyclodextrin-based metal-organic framework ( $\beta$ -CD-MOF): a review of recent advances for drug delivery application. <i>Journal of Drug Targeting</i> , 2022, 30, 381-393.	2.1	19
21	Fast and efficient adsorption of palladium from aqueous solution by magnetic metal-organic framework nanocomposite modified with poly(propylene imine) dendrimer. <i>Environmental Science and Pollution Research</i> , 2021, 28, 62474-62486.	2.7	18
22	Non-fluorinated sprayable fabric finish for durable and comfortable superhydrophobic textiles. <i>Progress in Organic Coatings</i> , 2021, 157, 106319.	1.9	18
23	Using Fuzzy-logic and Neural Network Techniques to Evaluating Polyacrylonitrile Nanofiber Diameter. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009, 6, 1542-1545.	0.4	17
24	Magnetic Solid-Phase Extraction of Oxadiazon and Profenofos from Environmental Water Using Magnetite Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> -C <sub>18</sub> Nanoparticles. <i>Journal of Polymers and the Environment</i> , 2017, 25, 770-780.	2.4	16
25	Enhanced piezoelectric performance of PVDF-based electrospun nanofibers by utilizing in situ synthesized graphene-ZnO nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 15789-15800.	1.1	16
26	Hybridization of Nanoclay with a Chromium-Based Metal-Organic Framework for Boosting Adsorption of Organic Dyes from Wastewater. <i>ChemistrySelect</i> , 2022, 7, .	0.7	16
27	Extraction of organophosphorus pesticides by carbon-coated Fe <sub>3</sub> O <sub>4</sub> nanoparticles through response surface experimental design. <i>Journal of Separation Science</i> , 2016, 39, 256-263.	1.3	14
28	Numerical Modelling of Ballistic Impact on HMPP Woven Fabric Impregnated with Shear-thickening Fluids. <i>Procedia Engineering</i> , 2017, 173, 73-76.	1.2	13
29	Surface Modification of Polyester/Viscose Fabric with Silica Hydrosol and Amino-Functionalized Polydimethylsiloxane for the Preparation of a Fluorine-Free Superhydrophobic and Breathable Textile. <i>Coatings</i> , 2022, 12, 398.	1.2	13
30	Computational-Based Approach for Predicting Porosity of Electrospun Nanofiber Mats Using Response Surface Methodology and Artificial Neural Network Methods. <i>Journal of Macromolecular Science - Physics</i> , 2015, 54, 1404-1425.	0.4	12
31	Thermal gelation of partially hydrolysed polyacrylamide/polyethylenimine mixtures using design of experiments approach. <i>Materials Today Communications</i> , 2019, 21, 100686.	0.9	12
32	Optimization of zero-shear viscosity for HPAM-Polystyrene microspheres formulations through experimental design approach. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	12
33	In-situ self-assembly of mono- and bi-metal organic frameworks onto clay mineral for highly efficient adsorption of pollutants from wastewater. <i>Chemical Physics Letters</i> , 2022, 799, 139626.	1.2	10
34	Magnetic Metal-Organic Framework (Fe <sub>3</sub> O <sub>4</sub> @MIL-101) Functionalized with Dendrimer: Highly Efficient and Selective Adsorption Removal of Organic Dyes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 3848-3863.	1.9	10
35	Rejection of far infrared radiation from the human body using Cu-Ni-P-Ni nanocomposite electroless plated PET fabric. <i>International Journal of Industrial Chemistry</i> , 2017, 8, 109-120.	3.1	9
36	Electrospun PU nanofiber composites based on carbon nanotubes decorated with nickel-zinc ferrite particles as an adsorbent for removal of hydrogen sulfide from air. <i>Environmental Science and Pollution Research</i> , 2020, 27, 35515-35525.	2.7	9

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37	Puncture Resistance Enhancement of Woven Fabrics Using Concentrated Nanosilica Suspension. <i>Procedia Engineering</i> , 2017, 173, 1494-1498.	1.2	6
38	Predicting Contact Angle of Electrospun PAN Nanofiber Mat Using Artificial Neural Network and Response Surface Methodology. <i>Advances in Polymer Technology</i> , 2013, 32, .	0.8	5
39	Synthesis and Characterization of an Amine-terminated AB <sub>2</sub> -type Hyperbranched Polymer and Its Application in Dyeing of Poly(ethylene terephthalate) Fabric with Acid Dye. <i>Advances in Polymer Technology</i> , 2013, 32, .	0.8	5
40	Modification of PET fabrics by hyperbranched polymer: a comparative study of artificial neural networks (ANN) and statistical approach. <i>Journal of Polymer Engineering</i> , 2013, 33, 445-452.	0.6	3
41	A Detailed Review on Pore Structure Analysis of Electrospun Porous Membranes. , 2014, , 29-49.		0