

Mahdi Hasanزadeh

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,460
citations

394421
19
h-index

330143
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. Journal of Industrial and Engineering Chemistry, 2020, 81, 405-414.	5.8	169
2	PPI-Dendrimer-Functionalized Magnetic Metal-Organic Framework (Fe ₃ O ₄ @MOF@PPI) with High Adsorption Capacity for Sustainable Wastewater Treatment. ACS Applied Materials & Interfaces, 2020, 12, 25294-25303.	8.0	111
3	The Role of Shear-Thickening Fluids (STFs) in Ballistic and Stab-Resistance Improvement of Flexible Armor. Journal of Materials Engineering and Performance, 2014, 23, 1182-1196.	2.5	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. Composites Part A: Applied Science and Manufacturing, 2016, 88, 263-271.	7.6	99
5	Conductive nanofibrous Chitosan/PEDOT:PSS tissue engineering scaffolds. Materials Chemistry and Physics, 2019, 237, 121882.	4.0	88
6	Self-Powered Wearable Piezoelectric Sensors Based on Polymer Nanofiber-Metal-Organic Framework Nanoparticle Composites for Arterial Pulse Monitoring. ACS Applied Nano Materials, 2020, 3, 8742-8752.	5.0	88
7	Optimization of electrospinning parameters for polyacrylonitrile-MgO nanofibers applied in air filtration. Journal of the Air and Waste Management Association, 2016, 66, 912-921.	1.9	63
8	Synthesis and characterization of micro-nanoencapsulated n-eicosane with PMMA shell as novel phase change materials for thermal energy storage. Materials Chemistry and Physics, 2018, 215, 299-304.	4.0	54
9	Kinetics and adsorptive study of organic dye removal using water-stable nanoscale metal organic frameworks. Materials Chemistry and Physics, 2019, 233, 267-275.	4.0	54
10	Numerical and experimental investigations into the response of STF-treated fabric composites undergoing ballistic impact. Thin-Walled Structures, 2017, 119, 700-706.	5.3	52
11	Rheological and viscoelastic behavior of concentrated colloidal suspensions of silica nanoparticles: A response surface methodology approach. Advanced Powder Technology, 2015, 26, 1570-1577.	4.1	51
12	<i>In situ</i> synthesis of quasi-needle-like bimetallic organic frameworks on highly porous graphene scaffolds for efficient electrocatalytic water oxidation. Chemical Communications, 2020, 56, 3135-3138.	4.1	47
13	Durable flame retardant finishing of cotton fabrics with poly(amidoamine) dendrimer using citric acid. Materials Chemistry and Physics, 2018, 219, 425-432.	4.0	41
14	Electrocatalytic hydrogen evolution reaction on graphene supported transition metal-organic frameworks. Inorganic Chemistry Communication, 2021, 127, 108525.	3.9	38
15	Efficient Removal of Pb(II) and Co(II) Ions from Aqueous Solution with a Chromium-Based Metal-Organic Framework/Activated Carbon Composites. Industrial & Engineering Chemistry Research, 2021, 60, 4332-4341.	3.7	37
16	Tuning of the rheological properties of concentrated silica suspensions using carbon nanotubes. Rheologica Acta, 2016, 55, 759-766.	2.4	33
17	Fabrication of chitosan nanofibrous scaffolds based on tannic acid and metal-organic frameworks for hemostatic wound dressing applications. International Journal of Biological Macromolecules, 2022, 208, 409-420.	7.5	32
18	Activated carbon nanofiber produced from electrospun PAN nanofiber as a solid phase extraction sorbent for the preconcentration of organophosphorus pesticides. Separation Science and Technology, 2017, 52, 700-711.	2.5	24

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19	Rapid temperature-assisted synthesis of nanoporous β -cyclodextrin-based metal-organic framework for selective CO ₂ adsorption. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2021, 99, 245-253.	1.6	22
20	A β -cyclodextrin-based metal-organic framework (β -CD-MOF): a review of recent advances for drug delivery application. <i>Journal of Drug Targeting</i> , 2022, 30, 381-393.	4.4	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.	5.3	18
22	Non-fluorinated sprayable fabric finish for durable and comfortable superhydrophobic textiles. <i>Progress in Organic Coatings</i> , 2021, 157, 106319.	3.9	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 ₃ O ₄ @SiO ₂ -C18 Nanoparticles. <i>Journal of Polymers and the Environment</i> , 2017, 25, 770-780.	5.0	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.	2.2	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, .	1.5	16
27	Extraction of organophosphorus pesticides by carbon-coated Fe ₃ O ₄ nanoparticles through response surface experimental design. <i>Journal of Separation Science</i> , 2016, 39, 256-263.	2.5	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.	2.6	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.	1.0	12
31	Thermal gelation of partially hydrolysed polyacrylamide/polyethylenimine mixtures using design of experiments approach. <i>Materials Today Communications</i> , 2019, 21, 100686.	1.9	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.	2.4	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.	2.6	10
34	Magnetic Metal-Organic Framework (Fe ₃ O ₄ @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.	3.7	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.	5.3	9

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37	Puncture Resistance Enhancement of Woven Fabrics Using Concentrated Nanosilica Suspension. Procedia Engineering, 2017, 173, 1494-1498.	1.2	6
38	Predicting Contact Angle of Electrospun PAN Nanofiber Mat Using Artificial Neural Network and Response Surface Methodology. Advances in Polymer Technology, 2013, 32, .	1.7	5
39	Synthesis and Characterization of an Amine-terminated AB ₂ -type Hyperbranched Polymer and Its Application in Dyeing of Poly(ethylene terephthalate) Fabric with Acid Dye. Advances in Polymer Technology, 2013, 32, .	1.7	5
40	Modification of PET fabrics by hyperbranched polymer: a comparative study of artificial neural networks (ANN) and statistical approach. Journal of Polymer Engineering, 2013, 33, 445-452.	1.4	3
41	A Detailed Review on Pore Structure Analysis of Electrospun Porous Membranes. , 2014, , 29-49.		0