

Sajjad Haider

List of Publications by Year in descending order

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Version: 2024-02-01

105
papers

5,640
citations

94433

37
h-index

79698

73
g-index

107
all docs

107
docs citations

107
times ranked

6664
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of graphene oxide, reduced graphene oxide and their nanocomposites with polyethylene oxide. <i>Current Applied Physics</i> , 2022, 40, 1-11.	2.4	12
2	Ethanol amine functionalized electrospun nanofibers membrane for the treatment of dyes polluted wastewater. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 3153-3166.	3.1	10
3	Self-Supporting Design of NiS/CNTs Nanohybrid for Advanced Electrochemical Energy Storage Applications. <i>Journal of Cluster Science</i> , 2022, 33, 2113-2121.	3.3	23
4	Synthesis of sponge like Gd ³⁺ doped vanadium oxide/2D MXene composites for improved degradation of industrial effluents and pathogens. <i>Ceramics International</i> , 2022, 48, 1969-1980.	4.8	55
5	Nanostructured V ₂ O ₅ and its nanohybrid with MXene as an efficient electrode material for electrochemical capacitor applications. <i>Ceramics International</i> , 2022, 48, 2345-2354.	4.8	42
6	CO ₂ capture and separation from H ₂ /CH ₄ /N ₂ gas mixtures by a novel ternary pentagonal monolayer "Penta-BCN" First principles investigation. <i>Journal of Molecular Liquids</i> , 2022, 348, 118474.	4.9	4
7	Thiamine-functionalized silver-copper bimetallic nanoparticles-based electrochemical sensor for sensitive detection of anti-inflammatory drug 4-aminoantipyrine. <i>Chemical Papers</i> , 2022, 76, 2721-2731.	2.2	4
8	First-Principles Study of Antiferromagnetic Superexchange Interactions Between TiAl-VN Complexes in AlN. <i>Journal of Superconductivity and Novel Magnetism</i> , 2022, 35, 889-898.	1.8	3
9	Photocatalytic performance of black titanium dioxide for phenolic compounds removal from oil refinery wastewater: nanoparticles vs nanowires. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 3499-3515.	3.1	6
10	Design and fabrication of microfibrinous composite scaffold by coating clindamycin and chitosan onto cellulose filter paper for wound dressing applications. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 3437-3448.	3.1	1
11	Medical applications of polymer/functionalized nanoparticle composite systems, renewable polymers, and polymer-metal oxide composites. , 2022, , 129-164.		0
12	Recent advances in renewable polymer/metal oxide systems used for tissue engineering. , 2022, , 395-445.		1
13	First principles study of layered silicon carbide as anode in lithium ion battery. <i>International Journal of Quantum Chemistry</i> , 2022, 122, .	2.0	8
14	Synthesis, Characterization, Photocatalysis, and Antibacterial Study of WO ₃ , MXene and WO ₃ /MXene Nanocomposite. <i>Nanomaterials</i> , 2022, 12, 713.	4.1	34
15	A Wideband Bear-Shaped Compact Size Implantable Antenna for In-Body Communications. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2859.	2.5	9
16	Sodium alginate-f-GO composite hydrogels for tissue regeneration and antitumor applications. <i>International Journal of Biological Macromolecules</i> , 2022, 208, 475-485.	7.5	39
17	The impact of rare earth Nd ³⁺ cations on structural, spectral, magnetic and dielectric parameters of NiFe ₂ O ₄ nanoparticles. <i>Journal of Taibah University for Science</i> , 2022, 16, 392-400.	2.5	2
18	Adsorption removal of Congo red onto L-cysteine/rGO/PANI nanocomposite: equilibrium, kinetics and thermodynamic studies. <i>Journal of Taibah University for Science</i> , 2021, 15, 50-62.	2.5	29

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19	Comparative Analysis of the Shear Bond Strength of Flowable Self-Adhering Resin-Composites Adhesive to Dentin with a Conventional Adhesive. <i>Coatings</i> , 2021, 11, 273.	2.6	5
20	Development of porous, antibacterial and biocompatible GO/n-HAp/bacterial cellulose/β ² -glucan biocomposite scaffold for bone tissue engineering. <i>Arabian Journal of Chemistry</i> , 2021, 14, 102924.	4.9	59
21	Arabinosylan/graphene oxide/nHAp NPs/PVA bionano composite scaffolds for fractured bone healing. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2021, 15, 322-335.	2.7	28
22	Graphene oxide and reduced graphene oxide supported ZnO nanochips for removal of basic dyes from the industrial effluents. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021, 29, 915-928.	2.1	90
23	Biochar/polypropylene composites: A study on the effect of pyrolysis temperature on crystallization kinetics, crystalline structure, and thermal stability. <i>Journal of King Saud University - Science</i> , 2021, 33, 101409.	3.5	22
24	Chitosan/Poly Vinyl Alcohol/Graphene Oxide Based pH-Responsive Composite Hydrogel Films: Drug Release, Anti-Microbial and Cell Viability Studies. <i>Polymers</i> , 2021, 13, 3124.	4.5	53
25	New mesostructured origami silica matrix: a nano-platform for highly retentive and pH-controlled delivery system. <i>Journal of Taibah University for Science</i> , 2021, 15, 133-144.	2.5	4
26	Synthesis, characterization and environmental remediation studies of Bi-substituted Li-Co spinel ferrites. <i>Journal of Taibah University for Science</i> , 2021, 15, 376-390.	2.5	2
27	Efficient Photocatalytic Degradation of Organic Pollutant in Wastewater by Electrospun Functionally Modified Polyacrylonitrile Nanofibers Membrane Anchoring TiO ₂ Nanostructured Membranes, 2021, 11, 785.	3.0	16
28	Synthesis and Study of Morphology and Biocompatibility of Xanthan Gum/Titanium Dioxide-Based Polyurethane Elastomers. <i>Polymers</i> , 2021, 13, 3416.	4.5	4
29	Evaluation of the Thermal and Morphological Properties of ⁶⁰ Co-Irradiated Chitosan-Glycerol-Based Polymeric Films. <i>Processes</i> , 2021, 9, 1783.	2.8	8
30	Smart and pH-sensitive rGO/Arabinosylan/chitosan composite for wound dressing: In-vitro drug delivery, antibacterial activity, and biological activities. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 820-831.	7.5	57
31	TiO ₂ nanostructured coated functionally modified and composite electrospun chitosan nanofibers membrane for efficient photocatalytic degradation of organic pollutant in wastewater. <i>Journal of Materials Research and Technology</i> , 2021, 15, 5197-5212.	5.8	17
32	Microemulsified Gel Formulations for Topical Delivery of Clotrimazole: Structural and In Vitro Evaluation. <i>Langmuir</i> , 2021, 37, 13767-13777.	3.5	14
33	Optical anticounterfeiting photonic bilayer film based on handedness of solid-state helicoidal structure. <i>RSC Advances</i> , 2021, 11, 37498-37503.	3.6	6
34	Fabrication of NiO/SnO ₂ heterojunction based photocatalyst for efficient sunlight degradation of organic dyes. <i>Journal of Taibah University for Science</i> , 2021, 15, 656-665.	2.5	4
35	Facile Synthesis of 5-Aryl-N-(pyrazin-2-yl)thiophene-2-carboxamides via Suzuki Cross-Coupling Reactions, Their Electronic and Nonlinear Optical Properties through DFT Calculations. <i>Molecules</i> , 2021, 26, 7309.	3.8	9
36	Erbium-substituted Ni _{0.4} Co _{0.6} Fe ₂ O ₄ ferrite nanoparticles and their hybrids with reduced graphene oxide as magnetically separable powder photocatalyst. <i>Ceramics International</i> , 2020, 46, 1203-1210.	4.8	50

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37	Novel functional antimicrobial and biocompatible arabinosyl/guar gum hydrogel for skin wound dressing applications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1488-1501.	2.7	59
38	Development of theoretical-computational model for radiation shielding. <i>Journal of Radiation Research and Applied Sciences</i> , 2020, 13, 606-615.	1.2	9
39	Dysprosium substituted nickel cobalt ferrite nanomaterials and their composites with reduced graphene oxide for photocatalysis. <i>Journal of Taibah University for Science</i> , 2020, 14, 1308-1316.	2.5	11
40	Identification of potential inhibitors of Zika virus NS5 RNA-dependent RNA polymerase through virtual screening and molecular dynamic simulations. <i>Saudi Pharmaceutical Journal</i> , 2020, 28, 1580-1591.	2.7	12
41	Binder free mesoporous Ag-doped Co ₃ O ₄ nanosheets with outstanding cyclic stability and rate capability for advanced supercapacitor applications. <i>Journal of Alloys and Compounds</i> , 2020, 844, 156062.	5.5	146
42	Arabinosyl-co-AA/HAp/TiO ₂ nanocomposite scaffold a potential material for bone tissue engineering: An in vitro study. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 584-594.	7.5	51
43	Advances in the scaffolds fabrication techniques using biocompatible polymers and their biomedical application: A technical and statistical review. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 186-215.	5.2	111
44	The impact of carbon nanotubes on the optical, electrical, and magnetic parameters of Ni ²⁺ and Co ²⁺ -based spinel ferrites. <i>Ceramics International</i> , 2019, 45, 21150-21161.	4.8	43
45	Low cost micro-emulsion route synthesis of Cr-substituted MnFe ₂ O ₄ nanoparticles. <i>Ceramics International</i> , 2019, 45, 22316-22323.	4.8	31
46	Ultra-selective detection of Cd ²⁺ and Pb ²⁺ using glycine functionalized reduced graphene oxide/polyaniline nanocomposite electrode. <i>Synthetic Metals</i> , 2019, 257, 116185.	3.9	40
47	First principles investigations of vibrational properties of titania and zirconia clusters. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	5
48	First principles study of transition metals doped SiC for application as counter electrode in DSSC. <i>Surface Science</i> , 2019, 687, 41-47.	1.9	15
49	Development and verification of numerical study to calculate focal points of temperature in helium cooled ceramic blanket (HCCB) system in CFETR. <i>Modern Physics Letters B</i> , 2019, 33, 1950173.	1.9	4
50	The Impact of Cu ²⁺ and Mg ²⁺ onto the electrochemical energy storage properties of Nanocrystalline Co _{0.8} Ni _{0.2} Fe ₂ O ₄ particles and their hybrids with graphene. <i>Ceramics International</i> , 2019, 45, 18099-18105.	4.8	10
51	First Principles Study of Dendritic Carbazole Photosensitizer Dyes Modified with Different Conjugation Structures. <i>ChemistrySelect</i> , 2019, 4, 2787-2794.	1.5	5
52	First principles study of vibrational properties of TiSiO ₄ clusters. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25924.	2.0	3
53	Optical Properties of Titania-Zirconia Clusters: a TD-DFT Study. <i>Journal of Cluster Science</i> , 2019, 30, 707-713.	3.3	4
54	Effects of thermal annealing on structural and magnetic properties of Mn ions implanted AlInN/GaN films. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 469, 618-622.	2.3	3

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55	Biocompatible Polymers and their Potential Biomedical Applications: A Review. <i>Current Pharmaceutical Design</i> , 2019, 25, 3608-3619.	1.9	65
56	A comprehensive review summarizing the effect of electrospinning parameters and potential applications of nanofibers in biomedical and biotechnology. <i>Arabian Journal of Chemistry</i> , 2018, 11, 1165-1188.	4.9	1,136
57	A novel use of cellulose based filter paper containing silver nanoparticles for its potential application as wound dressing agent. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 455-461.	7.5	93
58	Spectrophotometric methods for the determination of urea in real samples using silver nanoparticles by standard addition and 2nd order derivative methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 189, 110-115.	3.9	43
59	An Efficient Approach to Address Issues of Graphene Nanoplatelets (GNPs) Incorporation in Aluminium Powders and Their Compaction Behaviour. <i>Metals</i> , 2018, 8, 90.	2.3	22
60	Novel route for amine grafting to chitosan electrospun nanofibers membrane for the removal of copper and lead ions from aqueous medium. <i>Carbohydrate Polymers</i> , 2018, 199, 406-414.	10.2	37
61	Recent advances in the synthesis, functionalization and biomedical applications of hydroxyapatite: a review. <i>RSC Advances</i> , 2017, 7, 7442-7458.	3.6	261
62	Investigation of structural and magnetic properties of Zr-Co doped nickel ferrite nanomaterials. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 429, 142-147.	2.3	46
63	Thermal decomposition of metal complex precursor as route to the synthesis of Co ₃ O ₄ nanoparticles: Antibacterial activity and mechanism. <i>Journal of Alloys and Compounds</i> , 2017, 704, 296-302.	5.5	77
64	Thermal, swelling and stability kinetics of chitosan based semi-interpenetrating network hydrogels. <i>Fibers and Polymers</i> , 2017, 18, 611-618.	2.1	18
65	Thin layer chitosan-coated cellulose filter paper as substrate for immobilization of catalytic cobalt nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 56-62.	7.5	86
66	Synthesis of novel copper nanoparticles/ternary polymer blend nanocomposites and their structural, thermal and rheological properties and AC impedance. <i>Polymer International</i> , 2017, 66, 1182-1189.	3.1	3
67	Copper doped manganese ferrites nanoparticles anchored on graphene nano-sheets for high performance energy storage applications. <i>Journal of Alloys and Compounds</i> , 2017, 695, 881-887.	5.5	100
68	Preparation of the chitosan/polyacrylonitrile semi-IPN hydrogel via glutaraldehyde vapors for the removal of Rhodamine B dye. <i>Polymer Bulletin</i> , 2017, 74, 1535-1551.	3.3	39
69	Structural, magnetic and dielectric properties of Yb ³⁺ doped BaCo-X hexagonal nanoferrites. <i>Journal of Alloys and Compounds</i> , 2017, 695, 3674-3681.	5.5	41
70	Fabrication and characterization of zinc oxide nanofibers for renewable energy applications. <i>Arabian Journal of Chemistry</i> , 2017, 10, S1067-S1072.	4.9	48
71	Engineered nanostructures: A review of their synthesis, characterization and toxic hazard considerations. <i>Arabian Journal of Chemistry</i> , 2017, 10, S376-S388.	4.9	23
72	RKKY magnetic interactions in chemically synthesized Zn _{0.95} Al _x Fe _{0.05} O (x = 0, 0.03, 0.05, 0.07) nanocrystallites. <i>Arabian Journal of Chemistry</i> , 2017, 10, S1204-S1208.	4.9	6

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73	Natural polymers supported copper nanoparticles for pollutants degradation. Applied Surface Science, 2016, 387, 1154-1161.	6.1	131
74	Fabrication and characterization of Ni _{1-x} Zr _x Fe ₂ O ₄ nanoparticles for potential applications in high frequency devices. Ceramics International, 2016, 42, 16359-16363.	4.8	9
75	Structural, spectral, dielectric and photocatalytic studies of Zr-Ni doped MnFe ₂ O ₄ co-precipitated nanoparticles. Ceramics International, 2016, 42, 13459-13463.	4.8	16
76	Superior electrochemical activity of Fe ₂ O ₃ /rGO nanocomposite for advance energy storage devices. Journal of Alloys and Compounds, 2016, 689, 648-654.	5.5	144
77	Zr _x Co _{0.8-x} Ni _{0.2-x} Fe ₂ O ₄ -graphene nanocomposite for enhanced structural, dielectric and visible light photocatalytic applications. Ceramics International, 2016, 42, 15747-15755.	4.8	31
78	Synthesis of chitosan based semi-IPN hydrogels using epichlorohydrine as crosslinker to study the adsorption kinetics of Rhodamine B. Desalination and Water Treatment, 2016, 57, 17523-17536.	1.0	17
79	Fabrication of chitosan/polyacrylonitrile blend and semi-IPN hydrogel with epichlorohydrin. AIP Conference Proceedings, 2015, , .	0.4	0
80	Theoretical calculation simulation studies of ABV nuclear reactor coupled with desalination system. International Journal of Energy Research, 2015, 39, 1554-1563.	4.5	12
81	Synthesis, structural and magnetic behavior of undoped and Mn-doped anatase TiO ₂ nanoparticles. Modern Physics Letters B, 2015, 29, 1550015.	1.9	2
82	Utilization of electron-deficient thiadiazole derivatives as spacer for the red shifting of absorption maxima of diarylamine-fluorene based dyes. Theoretical Chemistry Accounts, 2015, 134, 1.	1.4	43
83	Adsorption kinetic and isotherm of methylene blue, safranin T and rhodamine B onto electrospun ethylenediamine-grafted-polyacrylonitrile nanofibers membrane. Desalination and Water Treatment, 2015, 55, 1609-1619.	1.0	39
84	Fabrication of the Diethylenetriamine Grafted Polyacrylonitrile Electrospun Nanofibers Membrane for the Aqueous Removal of Cationic Dyes. Science of Advanced Materials, 2015, 7, 309-318.	0.7	10
85	Synthesis and Characterization of Zinc Oxide Nanoparticles by Modified Sol-Gel Method. Asian Journal of Chemistry, 2014, 26, 7069-7070.	0.3	0
86	Thermal Treatment Effect on Catalytic Activity of Au/TiO ₂ for CO Oxidation. Applied Mechanics and Materials, 2014, 548-549, 254-258.	0.2	0
87	Electrospun oxime-grafted-polyacrylonitrile nanofiber membrane and its application to the adsorption of dyes. Journal of Polymer Research, 2014, 21, 1.	2.4	28
88	Highly aligned narrow diameter chitosan electrospun nanofibers. Journal of Polymer Research, 2013, 20, 1.	2.4	130
89	Manganese-, cobalt-, and zinc-based mixed-oxide spinels as novel catalysts for the chemical recycling of poly(ethylene terephthalate) via glycolysis. Polymer Degradation and Stability, 2013, 98, 904-915.	5.8	190
90	Sustainable Production of Synthesis Gases via State of the Art Metal Supported Catalytic Systems: An Overview. Journal of the Chinese Chemical Society, 2013, 60, 1297-1308.	1.4	12

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91	Fabrication of Chitosan Nanofibers Membrane with Improved Stability and Britility. <i>Advanced Science Letters</i> , 2012, 17, 217-223.	0.2	7
92	Adsorption of bromo-phenol blue from an aqueous solution onto thermally modified granular charcoal. <i>Chemical Engineering Research and Design</i> , 2011, 89, 23-28.	5.6	21
93	A novel route for the preparation of thermally sensitive core-shell magnetic nanoparticles. <i>Polymer</i> , 2011, 52, 91-97.	3.8	31
94	Simultaneous electrochemical determination of dopamine and acetaminophen using multiwall carbon nanotubes modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 314-320.	7.8	272
95	Phlomisamide and Phlomisteriod: A New Ceramide and a New Stigmasterol Derivative from <i>Phlomis cashmeriana</i> . <i>Helvetica Chimica Acta</i> , 2010, 93, 1428-1431.	1.6	5
96	Spectrofluorimetric determination of fexofenadine hydrochloride in pharmaceutical preparation using silver nanoparticles. <i>Arabian Journal of Chemistry</i> , 2010, 3, 251-255.	4.9	35
97	Preparation of the chitosan containing nanofibers by electrospinning chitosan-gelatin complexes. <i>Polymer Engineering and Science</i> , 2010, 50, 1887-1893.	3.1	44
98	In situ Polymerization of Multi-Walled Carbon Nanotube/Nylon-6 Nanocomposites and Their Electrospun Nanofibers. <i>Nanoscale Research Letters</i> , 2009, 4, 39-46.	5.7	57
99	Preparation of the electrospun chitosan nanofibers and their applications to the adsorption of Cu(II) and Pb(II) ions from an aqueous solution. <i>Journal of Membrane Science</i> , 2009, 328, 90-96.	8.2	380
100	Preparation of amidoxime-modified polyacrylonitrile (PAN-oxime) nanofibers and their applications to metal ions adsorption. <i>Journal of Membrane Science</i> , 2008, 322, 400-405.	8.2	417
101	Preparation, swelling and electro-mechano-chemical behaviors of a gelatin-chitosan blend membrane. <i>Soft Matter</i> , 2008, 4, 485.	2.7	43
102	Swelling and electroresponsive characteristics of gelatin immobilized onto multi-walled carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2007, 124, 517-528.	7.8	72
103	Electrohydrodynamic Processes and Their Affecting Parameters. , 0, , .		2
104	The role of synthesis method on ZnO nanoparticles: implications for zinc dissolution and arsenite adsorption in water. , 0, 123, 138-149.		2
105	Study for Lorentz force impact on irreversibility of nanomaterial with considering the permeable zone. <i>Applied Nanoscience (Switzerland)</i> , 0, , 1.	3.1	0