

Sultanah Almotairi

List of Publications by Year in descending order

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167
papers

6,284
citations

53660

45
h-index

88477

70
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169
all docs

169
docs citations

169
times ranked

7811
citing authors

#	ARTICLE	IF	CITATIONS
1	Bimetallic Metal-Organic Frameworks for Controlled Catalytic Graphitization of Nanoporous Carbons. <i>Scientific Reports</i> , 2016, 6, 30295.	1.6	314
2	Adsorptive performance of MOF nanocomposite for methylene blue and malachite green dyes: Kinetics, isotherm and mechanism. <i>Journal of Environmental Management</i> , 2018, 223, 29-36.	3.8	265
3	Adsorption of rose Bengal dye from aqueous solution by amberlite Ira-938 resin: kinetics, isotherms, and thermodynamic studies. <i>Desalination and Water Treatment</i> , 2016, 57, 13527-13533.	1.0	179
4	Fabrication and characterization of Gum arabic-cl-poly(acrylamide) nanohydrogel for effective adsorption of crystal violet dye. <i>Carbohydrate Polymers</i> , 2018, 202, 444-453.	5.1	174
5	Preparation of chitosan based magnetic nanocomposite for tetracycline adsorption: Kinetic and thermodynamic studies. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 258-267.	3.6	133
6	Chitosan based polymer matrix with silver nanoparticles decorated multiwalled carbon nanotubes for catalytic reduction of 4-nitrophenol. <i>Carbohydrate Polymers</i> , 2016, 151, 135-143.	5.1	130
7	Reduced graphene oxide nanosheets decorated with Au-Pd bimetallic alloy nanoparticles towards efficient photocatalytic degradation of phenolic compounds in water. <i>Nanoscale</i> , 2016, 8, 8276-8287.	2.8	124
8	N/S doped highly porous magnetic carbon aerogel derived from sugarcane bagasse cellulose for the removal of bisphenol-A. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 1031-1038.	3.6	115
9	Facile Synthesis of Nanoporous Transition Metal-Based Phosphates for Oxygen Evolution Reaction. <i>ChemCatChem</i> , 2020, 12, 2091-2096.	1.8	106
10	Efficient photocatalytic degradation of toxic dyes from aqueous environment using gelatin-Zr(IV) phosphate nanocomposite and its antimicrobial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 456-463.	2.5	104
11	Cage-Type Highly Graphitic Porous Carbon-Co ₃ O ₄ Polyhedron as the Cathode of Lithium-Oxygen Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2796-2804.	4.0	102
12	Guar gum-crosslinked-Soya lecithin nanohydrogel sheets as effective adsorbent for the removal of thiophanate methyl fungicide. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 295-305.	3.6	100
13	Visible photodegradation of ibuprofen and 2,4-D in simulated waste water using sustainable metal free-hybrids based on carbon nitride and biochar. <i>Journal of Environmental Management</i> , 2019, 231, 1164-1175.	3.8	100
14	Fabrication of MoS ₂ /ZnS embedded in N/S doped carbon for the photocatalytic degradation of pesticide. <i>Materials Letters</i> , 2020, 263, 127271.	1.3	99
15	Synthesis and characterization of Fe ₃ O ₄ @TSC nanocomposite: highly efficient removal of toxic metal ions from aqueous medium. <i>RSC Advances</i> , 2016, 6, 22679-22689.	1.7	98
16	High energy density supercapacitors composed of nickel cobalt oxide nanosheets on nanoporous carbon nanoarchitectures. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11834-11839.	5.2	97
17	Precise Exciton Allocation for Highly Efficient White Organic Light-Emitting Diodes with Low Efficiency Roll-Off Based on Blue Thermally Activated Delayed Fluorescent Exciplex Emission. <i>Advanced Optical Materials</i> , 2017, 5, 1700415.	3.6	95
18	Bifunctional electro-catalytic performances of CoWO ₄ nanocubes for water redox reactions (OER/ORR). <i>RSC Advances</i> , 2017, 7, 45615-45623.	1.7	94

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19	An efficient and cost-effective tri-functional electrocatalyst based on cobalt ferrite embedded nitrogen doped carbon. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 1-9.	5.0	84
20	Multimodal Superparamagnetic Nanoparticles with Unusually Enhanced Specific Absorption Rate for Synergetic Cancer Therapeutics and Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14656-14664.	4.0	78
21	Synthesis, characterization, and enhanced photocatalytic properties of NiWO ₄ nanobricks. <i>New Journal of Chemistry</i> , 2017, 41, 8178-8186.	1.4	77
22	Fabrication of highly porous N/S doped carbon embedded with ZnS as highly efficient photocatalyst for degradation of bisphenol. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 415-423.	3.6	76
23	Synthesis and characterization of highly selective and sensitive Sn/SnO ₂ /N-doped carbon nanocomposite (Sn/SnO ₂ @NGC) for sensing toxic NH ₃ gas. <i>Chemical Engineering Journal</i> , 2018, 345, 58-66.	6.6	75
24	Ultrahigh Gain Polymer Photodetectors with Spectral Response from UV to Near-Infrared Using ZnO Nanoparticles as Anode Interfacial Layer. <i>Advanced Functional Materials</i> , 2016, 26, 6619-6626.	7.8	71
25	TG-FTIR-MS (Evolved Gas Analysis) of bidi tobacco powder during combustion and pyrolysis. <i>Journal of Hazardous Materials</i> , 2012, 199-200, 200-208.	6.5	70
26	Development of carboxymethyl cellulose-based hydrogel and nanosilver composite as antimicrobial agents for UTI pathogens. <i>Carbohydrate Polymers</i> , 2016, 138, 229-236.	5.1	69
27	Photocatalytic degradation of bisphenol-A with g-C ₃ N ₄ /MoS ₂ -PANI nanocomposite: Kinetics, main active species, intermediates and pathways. <i>Journal of Molecular Liquids</i> , 2020, 311, 113339.	2.3	69
28	Significant Effect of Pore Sizes on Energy Storage in Nanoporous Carbon Supercapacitors. <i>Chemistry - A European Journal</i> , 2018, 24, 6127-6132.	1.7	68
29	Chitosan polymer complex derived nanocomposite (AgNPs/NSC) for electrochemical non-enzymatic glucose sensor. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 763-772.	3.6	63
30	Simple-Structured Phosphorescent Warm White Organic Light-Emitting Diodes with High Power Efficiency and Low Efficiency Roll-off. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10093-10097.	4.0	62
31	Synthesis, characterization, multifunctional electrochemical (OGR/ORR/SCs) and photodegradable activities of ZnWO ₄ nanobricks. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 87, 137-146.	1.1	61
32	Fabrication of MnFe ₂ O ₄ nanoparticles embedded chitosan-diphenylureaformaldehyde resin for the removal of tetracycline from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2019, 134, 180-188.	3.6	61
33	Nitrogen-Doped Cobalt Ferrite/Carbon Nanocomposites for Supercapacitor Applications. <i>ChemElectroChem</i> , 2017, 4, 2952-2958.	1.7	59
34	Managing Excitons and Charges for High-Performance Fluorescent White Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28780-28788.	4.0	57
35	ZIF-8 Derived, Nitrogen-Doped Porous Electrodes of Carbon Polyhedron Particles for High-Performance Electrosorption of Salt Ions. <i>Scientific Reports</i> , 2016, 6, 28847.	1.6	55
36	Dielectric, optical and enhanced photocatalytic properties of CuCrO ₂ nanoparticles. <i>RSC Advances</i> , 2017, 7, 27549-27557.	1.7	55

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37	Molten Salts Derived Copper Tungstate Nanoparticles as Bifunctional ElectroCatalysts for Electrolysis of Water and Supercapacitor Applications. <i>ChemElectroChem</i> , 2018, 5, 3938-3945.	1.7	55
38	Thermal degradation and evolved gas analysis of epoxy (DGEBA)/novolac resin blends (ENB) during pyrolysis and combustion. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 445-451.	2.0	54
39	Synthesis of MOF \AA 525 Derived Nanoporous Carbons with Different Particle Sizes for Supercapacitor Application. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2857-2862.	1.7	52
40	Thermal degradation and evolved gas analysis: A polymeric blend of urea formaldehyde (UF) and epoxy (DGEBA) resin. <i>Arabian Journal of Chemistry</i> , 2014, 7, 1140-1147.	2.3	51
41	Perovskite/Polymer Hybrid Thin Films for High External Quantum Efficiency Photodetectors with Wide Spectral Response from Visible to NearInfrared Wavelengths. <i>Advanced Optical Materials</i> , 2017, 5, 1700213.	3.6	51
42	Efficient oxygen evolution on mesoporous IrO _x nanosheets. <i>Catalysis Science and Technology</i> , 2019, 9, 3697-3702.	2.1	51
43	Synthesis, characterization and application of curcumin formaldehyde resin for the removal of Cd ²⁺ from wastewater: Kinetics, isotherms and thermodynamic studies. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 29, 78-86.	2.9	49
44	Spatial exciton allocation strategy with reduced energy loss for high-efficiency fluorescent/phosphorescent hybrid white organic light-emitting diodes. <i>Materials Horizons</i> , 2017, 4, 641-648.	6.4	48
45	Selective hydrogenation of furfural to tetrahydrofurfuryl alcohol over a Rh-loaded carbon catalyst in aqueous solution under mild conditions. <i>Sustainable Energy and Fuels</i> , 2020, 4, 293-301.	2.5	47
46	Superior electrocatalytic activity of mesoporous Au film templated from diblock copolymer micelles. <i>Nano Research</i> , 2016, 9, 1752-1762.	5.8	46
47	Development of a polymeric nanocomposite as a high performance adsorbent for Pb(II) removal from water medium: Equilibrium, kinetic and antimicrobial activity. <i>Journal of Hazardous Materials</i> , 2021, 407, 124816.	6.5	46
48	Fabrication of Z-scheme photocatalysts g-C ₃ N ₄ /Ag ₃ PO ₄ /chitosan for the photocatalytic degradation of ciprofloxacin. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 3864-3872.	3.6	45
49	Deep ultraviolet-to-NIR broad spectral response organic photodetectors with large gain. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2160-2164.	2.7	44
50	Antioxidant and hepatoprotective role of selenium against silver nanoparticles. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 7789-7797.	3.3	44
51	A nanofluidic osmotic power generator demonstrated in polymer gel electrolytes with substantially enhanced performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26791-26796.	5.2	44
52	De Novo synthesis of platinum-nanoparticle-encapsulated UiO-66-NH ₂ for photocatalytic thin film fabrication with enhanced performance of phenol degradation. <i>Journal of Hazardous Materials</i> , 2020, 397, 122431.	6.5	44
53	Fabrication of highly porous ZnO/Ag ₂ O nanoparticles embedded in N-doped graphitic carbon for photocatalytic degradation of tetracycline. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107681.	3.3	44
54	Cellulose gum and copper nanoparticles based hydrogel as antimicrobial agents against urinary tract infection (UTI) pathogens. <i>International Journal of Biological Macromolecules</i> , 2018, 109, 803-809.	3.6	42

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55	Carboxymethyl cellulose structured nano-adsorbent for removal of methyl violet from aqueous solution: isotherm and kinetic analyses. <i>Cellulose</i> , 2020, 27, 3677-3691.	2.4	38
56	Characteristics of a Plasticized PVA-Based Polymer Electrolyte Membrane and H ⁺ Conductor for an Electrical Double-Layer Capacitor: Structural, Morphological, and Ion Transport Properties. <i>Membranes</i> , 2021, 11, 296.	1.4	37
57	Thermal degradation and evolved gas analysis of thiourea-formaldehyde resin (TFR) during pyrolysis and combustion. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 109, 1039-1047.	2.0	36
58	Prussian blue derived iron oxide nanoparticles wrapped in graphene oxide sheets for electrochemical supercapacitors. <i>RSC Advances</i> , 2017, 7, 33994-33999.	1.7	36
59	Nanoarchitected porous carbons derived from ZIFs toward highly sensitive and selective QCM sensor for hazardous aromatic vapors. <i>Journal of Hazardous Materials</i> , 2021, 405, 124248.	6.5	36
60	The Study of Plasticized Sodium Ion Conducting Polymer Blend Electrolyte Membranes Based on Chitosan/Dextran Biopolymers: Ion Transport, Structural, Morphological and Potential Stability. <i>Polymers</i> , 2021, 13, 383.	2.0	36
61	Structural, Electrical and Electrochemical Properties of Glycerolized Biopolymers Based on Chitosan (CS): Methylcellulose (MC) for Energy Storage Application. <i>Polymers</i> , 2021, 13, 1183.	2.0	36
62	Prism-like integrated Bi ₂ WO ₆ with Ag-CuBi ₂ O ₄ on carbon nanotubes (CNTs) as an efficient and robust S-scheme interfacial charge transfer photocatalyst for the removal of organic pollutants from wastewater. <i>Environmental Science and Pollution Research</i> , 2023, 30, 124530-124545.	2.7	36
63	Achieving Extreme Utilization of Excitons by an Efficient Sandwich-Type Emissive Layer Architecture for Reduced Efficiency Roll-Off and Improved Operational Stability in Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3150-3159.	4.0	34
64	Assessment of agricultural waste-derived activated carbon in multiple applications. <i>Environmental Research</i> , 2020, 191, 110176.	3.7	34
65	Near infrared to visible light organic up-conversion devices with photon-to-photon conversion efficiency approaching 30%. <i>Materials Horizons</i> , 2018, 5, 874-882.	6.4	33
66	Green synthesis of Fe ₃ O ₄ nanoparticles using aqueous extracts of <i>Pandanus odoratissimus</i> leaves for efficient bifunctional electro-catalytic activity. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1427-1435.	1.6	32
67	Oxidation of biomass-derived furans to maleic acid over nitrogen-doped carbon catalysts under acid-free conditions. <i>Catalysis Science and Technology</i> , 2020, 10, 1498-1506.	2.1	30
68	Delivery of ibuprofen by natural macroporous sporopollenin exine capsules extracted from <i>Phoenix dactylifera</i> L. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 88, 158-165.	1.9	29
69	Fabrication of amino functionalized benzene-1,4-dicarboxylic acid facilitated cerium based metal organic frameworks for efficient removal of fluoride from water environment. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 384-395.	1.2	29
70	Utilizing recycled LiFePO ₄ from batteries in combination with B@C ₃ N ₄ and CuFe ₂ O ₄ as sustainable nano-junctions for high performance degradation of atenolol. <i>Chemosphere</i> , 2018, 209, 457-469.	4.2	29
71	Ultrastable Conjugated Microporous Polymers Containing Benzobisthiadiazole and Pyrene Building Blocks for Energy Storage Applications. <i>Molecules</i> , 2022, 27, 2025.	1.7	29
72	A facile low-cost scheme for highly photoactive Fe ₃ O ₄ -MWCNTs nanocomposite material for degradation of methylene blue. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 9107-9117.	3.4	29

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73	Ultra-fast spill oil recovery using a mesoporous lignin based nanocomposite prepared from date palm pits (<i>Phoenix dactylifera</i> L.). <i>International Journal of Biological Macromolecules</i> , 2019, 130, 139-147.	3.6	28
74	Efficient photodegradation of methylthioninium chloride dye in aqueous using barium tungstate nanoparticles. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	27
75	Bifunctional Electrocatalysts (Co_9S_8 @NSC) Derived from a Polymer-metal Complex for the Oxygen Reduction and Oxygen Evolution Reactions. <i>ChemElectroChem</i> , 2018, 5, 355-361.	1.7	27
76	Improvement of efficiency and its roll-off at high brightness in white organic light-emitting diodes by strategically managing triplet excitons in the emission layer. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10793-10803.	2.7	27
77	Fabrication of hybrid nanocomposite derived from chitosan as efficient electrode materials for supercapacitor. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 2271-2278.	3.6	27
78	Thermal degradation and evolved gas analysis of N,N-bis(2 hydroxyethyl) linseed amide (BHLA) during pyrolysis and combustion. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 1029-1037.	2.0	26
79	Block-Copolymer-Assisted Electrochemical Synthesis of Mesoporous Gold Electrodes: Towards a Non-Enzymatic Glucose Sensor. <i>ChemElectroChem</i> , 2017, 4, 2571-2576.	1.7	26
80	Designed Patterning of Mesoporous Metal Films Based on Electrochemical Micelle Assembly Combined with Lithographical Techniques. <i>Small</i> , 2020, 16, e1902934.	5.2	26
81	Vapour-assisted multi-functional perovskite thin films for solar cells and photodetectors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7415-7419.	2.7	25
82	High-Performance Capacitive Deionization by Lignocellulose-Derived Eco-Friendly Porous Carbon Materials. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 1014-1019.	2.0	25
83	Mesoporous Trimetallic PtPdRu Spheres as Superior Electrocatalysts. <i>Chemistry - A European Journal</i> , 2016, 22, 7174-7178.	1.7	24
84	CdS quantum dots: growth, microstructural, optical and electrical characteristics. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	24
85	Organic-inorganic hybrid Sn-based perovskite photodetectors with high external quantum efficiencies and wide spectral responses from 300 to 1000 nm. <i>Science China Materials</i> , 2019, 62, 790-796.	3.5	23
86	Cost-effective synthesis of NiCo ₂ O ₄ @nitrogen-doped carbon nanocomposite using waste PET plastics for high-performance supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 16701-16707.	1.1	23
87	Carbon-coated Fe ₃ O ₄ core-shell super-paramagnetic nanoparticle-based ferrofluid for heat transfer applications. <i>Nanoscale Advances</i> , 2021, 3, 1962-1975.	2.2	23
88	Iron-Nickel Nanoparticles as Bifunctional Catalysts in Water Electrolysis. <i>ChemElectroChem</i> , 2017, 4, 1222-1226.	1.7	22
89	Synthesis of phosphorylated raw sawdust for the removal of toxic metal ions from aqueous medium: Adsorption mechanism for clean approach. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 602-615.	1.1	22
90	Thermal, microbial, and corrosion resistant metal-containing poly(Schiff) epoxy coatings. <i>Journal of Coatings Technology Research</i> , 2012, 9, 515-523.	1.2	20

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91	Fabrication of Highly Porous Polymeric Nanocomposite for the Removal of Radioactive U(VI) and Eu(III) Ions from Aqueous Solution. <i>Polymers</i> , 2020, 12, 2940.	2.0	20
92	Efficient and Stable Ideal Bandgap Perovskite Solar Cell Achieved by a Small Amount of Tin Substituted Methylammonium Lead Iodide. <i>Electronic Materials Letters</i> , 2020, 16, 224-230.	1.0	20
93	Enhanced photovoltaic performance of dye-sensitized solar cells based Ag ₂ O doped BiFeO ₃ heterostructures. <i>Solar Energy</i> , 2021, 220, 758-765.	2.9	20
94	Effect of N ₂ flow rate on kinetic investigation of lignin pyrolysis. <i>Environmental Research</i> , 2020, 190, 109976.	3.7	19
95	Synthesis and characterization of polyamide metaliodendrimers and their anti-bacterial and anti-tumor activities. <i>Medicinal Chemistry Research</i> , 2012, 21, 2023-2031.	1.1	18
96	Macroporous natural capsules extracted from Phoenix dactylifera L. spore and their application in oral drugs delivery. <i>International Journal of Pharmaceutics</i> , 2016, 504, 39-47.	2.6	18
97	Birnessite-type manganese dioxide nanoparticles embedded with nitrogen-doped carbon for high-performance supercapacitor. <i>Journal of Energy Storage</i> , 2020, 32, 101952.	3.9	18
98	Synthesis of Mesoporous Transition-Metal Phosphates by Polymeric Micelle Assembly. <i>Chemistry - A European Journal</i> , 2016, 22, 7463-7467.	1.7	17
99	Facile fabrication of tunable porous zirconium fumarate based metal organic frameworks in the retention of nutrients from water. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2856-2870.	1.2	17
100	Fabrication of starch-salicylaldehyde based polymer nanocomposite (PNC) for the removal of pollutants from contaminated water. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2731-2738.	3.6	17
101	Hydrothermal Assisted Synthesis of ZnFe ₂ O ₄ Embedded g-C ₃ N ₄ Nanocomposite with Enhanced Charge Transfer Ability for Effective Removal of Nitrobenzene and Cr(VI). <i>ChemistrySelect</i> , 2020, 5, 5117-5127.	0.7	17
102	Electrochemical preparation system for unique mesoporous hemisphere gold nanoparticles using block copolymer micelles. <i>RSC Advances</i> , 2020, 10, 8309-8313.	1.7	17
103	Investigation of enhanced electro-catalytic HER/OER performances of copper tungsten oxide@reduced graphene oxide nanocomposites in alkaline and acidic media. <i>New Journal of Chemistry</i> , 2022, 46, 1267-1272.	1.4	17
104	Synthesis Characterization of Polyamide Metaliodendrimers and their Catalytic Activities in Ethylene Oligomerization. <i>Catalysis Letters</i> , 2010, 138, 171-179.	1.4	15
105	Heavy metal ion-exchange kinetic studies over cellulose acetate Zr(IV) molybdophosphate composite cation-exchanger. <i>Desalination and Water Treatment</i> , 2015, 53, 1675-1682.	1.0	15
106	Pyridylimine Cobalt(II) and Nickel(II) Complex Functionalized Multiwalled Carbon Nanotubes and Their Catalytic Activities for Ethylene Oligomerization. <i>Advances in Polymer Technology</i> , 2016, 35, .	0.8	15
107	Magnetic-Electrospinning Synthesis of ¹³ C-Fe ₂ O ₃ Nanoparticle-Embedded Flexible Nanofibrous Films for Electromagnetic Shielding. <i>Polymers</i> , 2020, 12, 695.	2.0	15
108	Physiochemical characterization and antimicrobial evaluation of phenylthiourea-formaldehyde polymer (PTF) based polymeric ligand and its polymer metal complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 108, 26-31.	2.0	14

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109	Development of triaminotriazine functionalized graphene oxide capped chitosan porous composite beads for nutrients remediation towards water purification. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 13-23.	3.6	14
110	Fabrication of Ag@SrTiO ₃ /g-C ₃ N ₄ heterojunctions for H ₂ production and the degradation of pesticides under visible light. <i>Separation and Purification Technology</i> , 2022, 297, 121431.	3.9	14
111	New Thermal and Microbial Resistant Metal-Containing Epoxy Polymers. <i>Bioinorganic Chemistry and Applications</i> , 2010, 2010, 1-7.	1.8	13
112	Comparative and Equilibrium Studies on Anionic and Cationic Dyes Removal by Nano-Alumina-Doped Catechol Formaldehyde Composite. <i>Journal of Chemistry</i> , 2020, 2020, 1-15.	0.9	13
113	Synthesis and Evaluation of Anticonvulsant Activity of Some Schiff Bases of 7- <i>N</i> -amino-1,3-dihydro-2 <i>H</i> -1,4-benzodiazepin-2-one. <i>Chemistry and Biodiversity</i> , 2020, 17, e2000342.	1.0	13
114	Environmental impact of COVID-19 Vaccine waste: A perspective on potential role of natural and biodegradable materials. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107894.	3.3	13
115	White LED active Fe^{2+} -Fe ₂ O ₃ /rGO photocatalytic nanocomposite for an effective degradation of tetracycline and ibuprofen molecules. <i>Environmental Research</i> , 2022, 212, 113301.	3.7	13
116	Synthesis, characterization and anti-microbial activity of phenylurea-formaldehyde resin (PUF) and		

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127	Type-II heterojunction-based magnetic ZnFe ₂ O ₄ @CuFe ₂ O ₄ @SiO ₂ photocatalyst for photodegradation of toxic dyes from wastewater. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 3693-3707.	1.6	10
128	Synthesis and characterization of first- and second-generation polyamide pyridylimine nickel dihalide metallodendrimers and their uses as catalysts for ethylene polymerization. <i>Polymer International</i> , 2014, 63, 1965-1973.	1.6	9
129	C₇₀/Pentacene Organic Heterojunction as Charge Generator to Realize Highly Efficient Charge Carrier Injection in Organic Light-Emitting Diodes: Performance and Mechanism Analysis. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600081.	1.9	9
130	Co-templating Synthesis of Bimodal Mesoporous Silica for Potential Drug Carrier. <i>ChemistrySelect</i> , 2016, 1, 1339-1346.	0.7	9
131	Highly efficient charge generation and electron injection of m-MTDATA/m-MTDATA:HAT-CN/HAT-CN organic heterojunction on ITO cathode for high efficiency inverted white organic light-emitting diodes. <i>Journal of Applied Physics</i> , 2017, 122, 125501.	1.1	9
132	Synthesis and characterization of hybrid nanocomposites as highly-efficient conducting CH ₄ gas sensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 502-509.	2.0	9
133	Acceptor substituent effect on triphenylamine-based organic dye sensitizers for DSSCs: quantum chemical study. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 1279-1288.	1.2	9
134	Simplified chemical processed Cd_{1-x}Al_xS thin films for high-performance photodetector applications. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 195901.	0.7	9
135	Synthesis and characterization of monomeric and polymeric pyridinylimine-based Ni(II) complexes and their catalytic activities in ethylene oligomerization. <i>Polymer International</i> , 2012, 61, 1640-1647.	1.6	8
136	Silica-supported heterogeneous catalysts-mediated synthesis of chalcones as potent urease inhibitors: in vitro and molecular docking studies. <i>Monatshefte für Chemie</i> , 2020, 151, 123-133.	0.9	8
137	Pt-core silica shell nanostructure: a robust catalyst for the highly corrosive sulfuric acid decomposition reaction in sulfur iodine cycle to produce hydrogen. <i>New Journal of Chemistry</i> , 2021, 45, 1247-1252.	1.4	8
138	Synthesis, Characterization, and Biological Evaluation of a 4,7-Dihydroxy-1,10-Phenanthroline-Based Epoxy Resin and Its Polymer-Metal Complexes. <i>Advances in Polymer Technology</i> , 2015, 34, .	0.8	7
139	C70/C70:pentacene/pentacene organic heterojunction as the connecting layer for high performance tandem organic light-emitting diodes: Mechanism investigation of electron injection and transport. <i>Journal of Applied Physics</i> , 2017, 121, 115502.	1.1	7
140	Fabrication of CoP based nanocomposite as an electrocatalyst for oxygen- and hydrogen-evolving energy conversion reactions. <i>Materials Letters</i> , 2020, 278, 128351.	1.3	7
141	Highly-efficient Ru/Al-SBA-15 catalysts with strong Lewis acid sites for the water-assisted hydrogenation of <i>p</i> -phthalic acid. <i>Catalysis Science and Technology</i> , 2020, 10, 2443-2451.	2.1	7
142	Structural Characterization of Mannoglucan Isolated from <i>Ophiocordyceps sobolifera</i> and Its Antioxidant Activities. <i>ACS Omega</i> , 2022, 7, 9397-9405.	1.6	7
143	Electrophoretic Deposition of Binder-Free MOF-Derived Carbon Films for High-Performance Microsupercapacitors. <i>Chemistry - A European Journal</i> , 2020, 26, 10283-10289.	1.7	6
144	Rapid and Scalable Wire-bar Strategy for Coating of TiO ₂ Thin-films: Effect of Post-Annealing Temperatures on Structures and Catalytic Dye-Degradation. <i>Molecules</i> , 2020, 25, 1683.	1.7	6

#	ARTICLE	IF	CITATIONS
145	Tuning the optoelectronic properties of n-CdO:Fe/p-Si photodiodes fabricated by facile perfume atomizer technique for photo-detector applications. <i>Applied Physics B: Lasers and Optics</i> , 2021, 127, 1.	1.1	6
146	CoSe ₂ @N-Doped Graphene Nanocomposite High-Efficiency Counter Electrode for Dye-Sensitized Solar Cells. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2568-2577.	1.9	6
147	Periodically Arranged Arrays of Dendritic Pt Nanospheres Using Cage-Type Mesoporous Silica as a Hard Template. <i>Chemistry - an Asian Journal</i> , 2018, 13, 106-110.	1.7	5
148	Controlled Synthesis of Mesoporous Pt, Pt-Pd and Pt-Pd-Rh Nanoparticles in Aqueous Nonionic Surfactant Solution. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 455-460.	2.0	5
149	Two-Step Facile Preparation of 2D MoS ₂ /ZnO Nanocomposite p-n Junctions with Enhanced Photoelectric Performance. <i>International Journal of Photoenergy</i> , 2021, 2021, 1-8.	1.4	5
150	Heterostructured O _v @Mn ₂ O ₃ @Cu ₂ SnS ₃ @SnS Composite as Battery-Type Cathode Material for Extrinsic Self-Charging Hybrid Supercapacitors. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	5
151	Semibath Polymerization Approach for One-Pot Synthesis of Temperature- and Glucose-Responsive Core-Shell Nanogel Particles. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-9.	1.5	4
152	Influence of aluminum doping on microstructure, optical and electrical properties of c axis oriented zinc oxide nano films prepared by nebulizer spray pyrolysis technique. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	4
153	Quantum chemical investigation on D- π -A-based phenothiazine organic chromophores with spacer and electron acceptor effects for DSSCs. <i>Structural Chemistry</i> , 2021, 32, 2199-2207.	1.0	4
154	Acid-catalyzed hydrothermal treatment of sewage sludge: effects of reaction temperature and acid concentration on the production of hydrolysis by-products. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	4
155	Decoration of silver nanoparticles on nitrogen-doped nanoporous carbon derived from zeolitic imidazole framework-8 (ZIF-8) via <i>in situ</i> auto-reduction. <i>RSC Advances</i> , 2021, 11, 6614-6619.	1.7	4
156	A Simple Approach to Generate Hollow Carbon Nanospheres Loaded with Uniformly Dispersed Metal Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5413-5416.	1.0	3
157	Micelle-Assisted Strategy for the Direct Synthesis of Large-Sized Mesoporous Platinum Catalysts by Vapor Infiltration of a Reducing Agent. <i>Nanomaterials</i> , 2018, 8, 841.	1.9	3
158	Berichtigung zu Pflanzen-Standorten bei Wiener-Neustadt. <i>Plant Systematics and Evolution</i> , 1873, 23, 260-263.	0.3	3
159	Highly porous chitosan based magnetic polymeric nanocomposite (PNC) for the removal of radioactive, Cs(I) and Sr(II) ions from aqueous solution. <i>Journal of King Saud University - Science</i> , 2022, 34, 102036.	1.6	3
160	Reduced Graphene Oxide Supported Zinc Tungstate Nanoparticles as Proficient Electro-Catalysts for Hydrogen Evolution Reactions. <i>Catalysts</i> , 2022, 12, 530.	1.6	3
161	Additional Flux Pinning in Sn-Doped Nb ₃ Al Superconductor. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2000563.	1.2	2
162	Fabrication and Characterization of Prussian Blue-Derived Iron Carbide-Iron Oxide Hybrid on Reduced Graphene Oxide Nanosheets. <i>KONA Powder and Particle Journal</i> , 2021, 38, 260-268.	0.9	2

#	ARTICLE	IF	CITATIONS
163	Synthesis and characterization of mackinawite nanocrystals (FeS_m) and their application in recovery of aqueous Hg(II) solution. <i>Desalination and Water Treatment</i> , 2016, 57, 6594-6603.	1.0	1
164	Synthesis, Characterization, and Antimicrobial Activity of Salisaldehyde-Based Terpolymeric Ligand and Its Transition Metal Complexes. <i>Advances in Polymer Technology</i> , 2018, 37, 504-514.	0.8	1
165	Three-dimensional architectures composed of two-dimensional atomic layer molybdenum disulphide for solar cell and self-powered photodetectors with improved performance. <i>Energy Exploration and Exploitation</i> , 0, , 014459872110368.	1.1	1
166	Preparation of new thermoluminescent material $(100\text{\AA})\text{B}_2\text{O}_3 \cdot x\text{Li}_2\text{O} : \text{Cu}^{2+}$ for sensing and detection of radiation. <i>Bulletin of Materials Science</i> , 2016, 39, 331-336.	0.8	0
167	Annulated Mesoporous Silica as Potent Lanthanide Ion Adsorbents and Magnetic Resonance Contrast Enhancing Agents. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 165-171.	1.9	0