

Tansir Ahamad

List of Publications by Year in descending order

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320
papers

13,189
citations

25423

59
h-index

45040

94
g-index

325
all docs

325
docs citations

325
times ranked

14617
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Structural and electrochemical studies of proton conducting biopolymer blend electrolytes based on MC:Dextran for EDLC device application with high energy density. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 3985-3997.	3.4	18
3	Design of non-faradaic EDLC from plasticized MC based polymer electrolyte with an energy density close to lead-acid batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 105, 414-426.	2.9	30
4	Eco-friendly soy protein isolate-based films strengthened by water-soluble glycerin epoxy resin. <i>Progress in Organic Coatings</i> , 2022, 162, 106566.	1.9	8
5	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
6	Design of sporopollenin-based functional ingredients for gastrointestinal tract targeted delivery. <i>Current Opinion in Food Science</i> , 2022, 44, 100809.	4.1	10
7	Electrocatalyst nanoarchitectonics with molybdenum-cobalt bimetallic alloy encapsulated in nitrogen-doped carbon for water splitting reaction. <i>Journal of Alloys and Compounds</i> , 2022, 904, 164084.	2.8	29
8	High strength composites of carbon fiber sheets-veneers sandwich-structure for electromagnetic interference shielding materials. <i>Progress in Organic Coatings</i> , 2022, 165, 106736.	1.9	10
9	Synergistic photocatalytic dye mitigation and bacterial disinfection using carbon quantum dots decorated dual Z-scheme Manganese Indium Sulfide/Cuprous Oxide/Silver oxide heterojunction. <i>Materials Letters</i> , 2022, 313, 131716.	1.3	66
10	Development of high efficient Co ₃ O ₄ /Bi ₂ O ₃ /rGO nanocomposite for an effective photocatalytic degradation of pharmaceutical molecules with improved interfacial charge transfer. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107243.	3.3	21
11	Ultrastable Conjugated Microporous Polymers Containing Benzobisthiadiazole and Pyrene Building Blocks for Energy Storage Applications. <i>Molecules</i> , 2022, 27, 2025.	1.7	29
12	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
13	Heterostructured O _v @Mn ₂ O ₃ @Cu ₂ Sn ₃ @SnS Composite as Battery-type Cathode Material for Extrinsic Self-Charging Hybrid Supercapacitors. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	5
14	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
15	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
16	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
17	SrTiO ₃ /Ag ₂ O embedded in N-doped carbon nanocomposite for advanced photocatalytic degradation of dichlorodiphenyltrichloroethane (DDT). <i>Materials Letters</i> , 2022, 319, 132271.	1.3	13
18	Reduced Graphene Oxide Supported Zinc Tungstate Nanoparticles as Proficient Electro-Catalysts for Hydrogen Evolution Reactions. <i>Catalysts</i> , 2022, 12, 530.	1.6	3

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19	Constructing carbon nanotubes@CuBi ₂ O ₄ /AgBiO ₃ all solid-state mediated Z-scheme photocatalyst with enhanced photocatalytic activity. <i>Materials Letters</i> , 2022, 320, 132374.	1.3	17
20	White LED active $\hat{\Gamma}$ -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
21	The influence of 3-hydroxy-2-naphthoic acid on agricultural wastes extracted sugar production used as energy sources. <i>Fuel</i> , 2022, 323, 124235.	3.4	5
22	Nanomagnetic strontium ferrite nitrogen doped carbon (SrFe ₂ O ₄ -NC): Synthesis, characterization and excellent supercapacitor performance. <i>Journal of Energy Storage</i> , 2022, 52, 104821.	3.9	9
23	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
24	Remediation of wastewater containing 4-nitrophenol using ionic liquid stabilized nanoparticles: Synthesis, characterizations and applications. <i>Chemosphere</i> , 2022, 303, 135173.	4.2	8
25	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
26	Cement kiln dust-sand permeable reactive barrier for remediation of groundwater contaminated with dissolved benzene. <i>Separation Science and Technology</i> , 2021, 56, 870-883.	1.3	10
27	A facile microwave route for fabrication of NiO/rGO hybrid sensor with efficient CO ₂ and acetone gas sensing performance using clad modified fiber optic method. <i>Optik</i> , 2021, 226, 165970.	1.4	29
28	Design and development of amine functionalized iron based metal organic frameworks for selective fluoride removal from water environment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104563.	3.3	61
29	Fabrication of highly porous N-doped mesoporous carbon using waste polyethylene terephthalate bottle-based MOF-5 for high performance supercapacitor. <i>Journal of Energy Storage</i> , 2021, 33, 102125.	3.9	64
30	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
31	Spray pressure variation effect on the properties of CdS thin films for photodetector applications. <i>Ceramics International</i> , 2021, 47, 7608-7616.	2.3	21
32	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
33	Superficial development of Lewis zirconium ion cross-linked gelatin/kaolin hybrid composite for nutrients remediation. <i>Journal of Molecular Liquids</i> , 2021, 324, 114982.	2.3	5
34	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
35	Polymer directed synthesis of NiO nanoflowers to remove pollutant from wastewater. <i>Journal of Molecular Liquids</i> , 2021, 324, 114676.	2.3	7
36	Microstructure refinement and mechanical properties improvement in the W-Y ₂ O ₃ alloys via optimized freeze-drying. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, 95, 105453.	1.7	37

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37	Analysis of degradation pathways and intermediates products for ciprofloxacin using a highly porous photocatalyst. <i>Chemical Engineering Journal</i> , 2021, 417, 127969.	6.6	53
38	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
39	Additional Flux Pinning in Sn-Doped Nb ₃ Al Superconductor. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2000563.	1.2	2
40	Nitrogen-doped carbon quantum dots (N-CQDs)/Co ₃ O ₄ nanocomposite for high performance supercapacitor. <i>Journal of King Saud University - Science</i> , 2021, 33, 101252.	1.6	42
41	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
42	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
43	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
44	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
45	Investigation on photocatalytic activity of bio-treated γ -Fe ₂ O ₃ nanoparticles using <i>Phyllanthus niruri</i> and <i>Moringa stenopetala</i> leaf extract against methylene blue and phenol molecules: Kinetics, mechanism and stability. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104996.	3.3	17
46	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
47	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
48	Simplified chemical processed Cd _{1-x} Al _x S thin films for high-performance photodetector applications. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 195901.	0.7	9
49	Synthesis and characterization of CuO doped lithium magnesium borate glasses for thermoluminescence dosimetry. <i>Optik</i> , 2021, 231, 166369.	1.4	7
50	Preparation of Fe-SnO ₂ @CeO ₂ nanocomposite electrode for asymmetric supercapacitor device performance analysis. <i>Journal of Energy Storage</i> , 2021, 36, 102402.	3.9	82
51	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
52	Fabrication of magnetic nanoparticles supported ionic liquid catalyst for transesterification of vegetable oil to produce biodiesel. <i>Journal of Molecular Liquids</i> , 2021, 330, 115648.	2.3	10
53	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
54	Room temperature ferromagnetic behavior of nickel-doped zinc oxide dilute magnetic semiconductor for spintronics applications. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 129, 114665.	1.3	39

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55	The synthesis of TiC dispersed strengthened Mo alloy by freeze-drying technology and subsequent low temperature sintering. <i>Scripta Materialia</i> , 2021, 198, 113831.	2.6	29
56	Investigation of structural and electrical properties of synthesized Sr-doped lanthanum cobaltite (La _{1-x} Sr _x CoO ₃) perovskite oxide. <i>Journal of King Saud University - Science</i> , 2021, 33, 101419.	1.6	21
57	The bifunctional performance analysis of synthesized Ce doped SnO ₂ /g-C ₃ N ₄ composites for asymmetric supercapacitor and visible light photocatalytic applications. <i>Journal of Alloys and Compounds</i> , 2021, 866, 158807.	2.8	68
58	Synthesis of Hg metal complex and its application to reduce the optical band gap of polymer. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103215.	2.3	12
59	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
60	Design of potassium ion conducting PVA based polymer electrolyte with improved ion transport properties for EDLC device application. <i>Journal of Materials Research and Technology</i> , 2021, 13, 933-946.	2.6	35
61	Bentonite clay incorporated 3-aminopropyl triethoxy silane composite (bentonite/APTES) for CO ₂ adsorption. <i>Materials Letters</i> , 2021, 294, 129811.	1.3	0
62	Two-Step Facile Preparation of 2D MoS ₂ /ZnO Nanocomposite $\langle \text{mi} \rangle \text{p} \langle / \text{mi} \rangle \langle / \text{math} \rangle \langle \text{math} \rangle \langle \text{mi} \rangle \text{n} \langle / \text{mi} \rangle \langle / \text{math} \rangle$ Junctions with Enhanced Photoelectric Performance. <i>International Journal of Photoenergy</i> , 2021, 2021, 1-8.	1.4	5
63	An environmental approach for the photodegradation of toxic pollutants from wastewater using silver nanoparticles decorated titania-reduced graphene oxide. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105622.	3.3	15
64	Green synthesis for novel sorbent of sand coated with (Ca/Al)-layered double hydroxide for the removal of toxic dye from aqueous environment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105342.	3.3	25
65	Impact of ethynylene linkers on the optical and electrochemical properties of benzothiadiazole based alternate conjugated polymers. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103320.	2.3	6
66	Preparation of BiFeO ₃ and its photoelectric performance as photoanode of DSSC. <i>Ceramics International</i> , 2021, 47, 27565-27570.	2.3	9
67	Refined microstructure and enhanced mechanical properties in Mo-Y ₂ O ₃ alloys prepared by freeze-drying method and subsequent low temperature sintering. <i>Journal of Materials Science and Technology</i> , 2021, 88, 36-44.	5.6	28
68	Design of plasticized proton conducting Chitosan:Dextran based biopolymer blend electrolytes for EDLC application: Structural, impedance and electrochemical studies. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103394.	2.3	22
69	Highly photocatalytic active r-GO/Fe ₃ O ₄ nanocomposites development for enhanced photocatalysis application: A facile low-cost preparation and characterization. <i>Ceramics International</i> , 2021, 47, 31973-31982.	2.3	25
70	Decoration of silver nanoparticles on nitrogen-doped nanoporous carbon derived from zeolitic imidazole framework-8 (ZIF-8) <i>via in situ</i> auto-reduction. <i>RSC Advances</i> , 2021, 11, 6614-6619.	1.7	4
71	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
72	Synthesis of perovskite bismuth ferrite embedded nitrogen-doped Carbon (BiFeO ₃ -NC) nanocomposite for energy storage application. <i>Journal of Energy Storage</i> , 2021, 44, 103515.	3.9	23

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73	UV light enabled photocatalytic activity of γ -Fe ₂ O ₃ nanoparticles synthesized via phase transformation. <i>Materials Letters</i> , 2020, 258, 126748.	1.3	50
74	Predominant mechanisms for the removal of nickel metal ion from aqueous solution using cement kiln dust. <i>Journal of Water Process Engineering</i> , 2020, 33, 101033.	2.6	34
75	Designed Patterning of Mesoporous Metal Films Based on Electrochemical Micelle Assembly Combined with Lithographical Techniques. <i>Small</i> , 2020, 16, e1902934.	5.2	26
76	Development of high-performance fiber optic gas sensor based rice-like CeO ₂ /MWCNT nanocomposite synthesized by facile hydrothermal route. <i>Optics and Laser Technology</i> , 2020, 123, 105902.	2.2	16
77	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
78	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
79	Utilization of waste polyethylene terephthalate bottles to develop metal-organic frameworks for energy applications: A clean and feasible approach. <i>Journal of Cleaner Production</i> , 2020, 248, 119251.	4.6	73
80	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
81	Synthesis of NiOx@NPC composite for high-performance supercapacitor via waste PET plastic-derived Ni-MOF. <i>Composites Part B: Engineering</i> , 2020, 183, 107655.	5.9	104
82	Study on photocatalytic and antibacterial properties of phase pure Fe ₂ O ₃ nanostructures synthesized using <i>Caralluma Fimbriata</i> and <i>Achyranthes Aspera</i> leaves. <i>Optik</i> , 2020, 203, 164047.	1.4	11
83	Facile fabrication of chitosan-cl-poly(AA)/ZrPO ₄ nanocomposite for remediation of rhodamine B and antimicrobial activity. <i>Journal of King Saud University - Science</i> , 2020, 32, 1359-1365.	1.6	23
84	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
85	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
86	Process intensification and comparison of bioethanol production from food industry waste (potatoes) by ultrasonic assisted acid hydrolysis and enzymatic hydrolysis: Statistical modelling and optimization. <i>Biomass and Bioenergy</i> , 2020, 142, 105752.	2.9	41
87	Efficient removal of antidepressant Flupentixol using graphene oxide/cellulose nanogel composite: Particle swarm algorithm based artificial neural network modelling and optimization. <i>Journal of Molecular Liquids</i> , 2020, 319, 114371.	2.3	26
88	Elevated energy density and cycle stability of γ -Mn ₂ O ₃ 3D-microspheres with addition of neodymium dopant for pouch-type hybrid supercapacitors. <i>Electrochimica Acta</i> , 2020, 362, 137169.	2.6	21
89	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
90	Hydrothermal assisted precipitation synthesis of highly stable g-C ₃ N ₄ /BiOBr/CdS photocatalyst with enhanced visible light photocatalytic degradation of tetracycline. <i>Diamond and Related Materials</i> , 2020, 110, 108091.	1.8	36

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91	A review on porous carbon electrode material derived from hypercross-linked polymers for supercapacitor applications. <i>Journal of Energy Storage</i> , 2020, 32, 101831.	3.9	102
92	Self-nitrogen doped carbons aerogel derived from waste cigarette butts (cellulose acetate) for the adsorption of BPA: Kinetics and adsorption mechanisms. <i>Journal of King Saud University - Science</i> , 2020, 32, 3351-3358.	1.6	18
93	Humic acid coated sand as a novel sorbent in permeable reactive barrier for environmental remediation of groundwater polluted with copper and cadmium ions. <i>Journal of Water Process Engineering</i> , 2020, 36, 101373.	2.6	28
94	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
95	Mg _{0.5} Ni _x Zn _{0.5-x} Fe ₂ O ₄ spinel as a sustainable magnetic nano-photocatalyst with dopant driven band shifting and reduced recombination for visible and solar degradation of Reactive Blue-19. <i>Advanced Powder Technology</i> , 2020, 31, 4585-4597.	2.0	32
96	Synthesis and characterization cobalt phosphate embedded with N doped carbon for water splitting ORR and OER. <i>Journal of King Saud University - Science</i> , 2020, 32, 2826-2830.	1.6	8
97	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
98	Effect of N ₂ flow rate on kinetic investigation of lignin pyrolysis. <i>Environmental Research</i> , 2020, 190, 109976.	3.7	19
99	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
100	Novel 13X Zeolite/PANI electrocatalyst for hydrogen and oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 28337-28349.	3.8	38
101	AgO/MgO/FeO@Si ₃ N ₄ nanocomposite with robust adsorption capacity for tetracycline antibiotic removal from aqueous system. <i>Advanced Powder Technology</i> , 2020, 31, 4310-4318.	2.0	26
102	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
103	Donated free electrons induced enhancement in the NH ₃ sensing ability of ZnO thin films - Effect of terbium loading. <i>Sensors and Actuators A: Physical</i> , 2020, 316, 112376.	2.0	12
104	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
105	Synthesis of MOF525/PEDOT Composites as Microelectrodes for Electrochemical Sensing of Dopamine. <i>Polymers</i> , 2020, 12, 1976.	2.0	12
106	Assessment of agricultural waste-derived activated carbon in multiple applications. <i>Environmental Research</i> , 2020, 191, 110176.	3.7	34
107	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
108	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

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109	Role of substrate on film thickness, structural, compositional and magnetic properties of CoNi alloy thin films by low temperature electrodeposition technique. Journal of Saudi Chemical Society, 2020, 24, 955-962.	2.4	14
110	Fabrication of Z-scheme photocatalysts g-C ₃ N ₄ /Ag ₃ PO ₄ /chitosan for the photocatalytic degradation of ciprofloxacin. International Journal of Biological Macromolecules, 2020, 164, 3864-3872.	3.6	45
111	Comparative and Equilibrium Studies on Anionic and Cationic Dyes Removal by Nano-Alumina-Doped Catechol Formaldehyde Composite. Journal of Chemistry, 2020, 2020, 1-15.	0.9	13
112	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). ChemistrySelect, 2020, 5, 5117-5127.	0.7	17
113	LaTiO ₂ N/Bi ₂ S ₃ Z-scheme nano heterostructures modified by rGO with high interfacial contact for rapid photocatalytic degradation of tetracycline. Journal of Molecular Liquids, 2020, 311, 113300.	2.3	30
114	Photocatalytic degradation of bisphenol-A with g-C ₃ N ₄ /MoS ₂ -PANI nanocomposite: Kinetics, main active species, intermediates and pathways. Journal of Molecular Liquids, 2020, 311, 113339.	2.3	69
115	Fabrication of magnetic polymeric resin for the removal of toxic metals from aqueous medium: Kinetics and adsorption mechanisms. Journal of Water Process Engineering, 2020, 36, 101284.	2.6	30
116	Effect of External Magnetic Field on Hybrid Supercapacitors of Nitrogen-Doped Graphene with Magnetic Metal Oxides. Bulletin of the Chemical Society of Japan, 2020, 93, 1139-1149.	2.0	19
117	Lithium-ion capacitor based on nanoarchitected polydopamine/graphene composite anode and porous graphene cathode. Carbon, 2020, 167, 627-633.	5.4	29
118	Magnetic-Electrospinning Synthesis of Fe ₃ O ₄ Nanoparticle Embedded Flexible Nanofibrous Films for Electromagnetic Shielding. Polymers, 2020, 12, 695.	2.0	15
119	Synthesis and Evaluation of Anticonvulsant Activity of Some Schiff Bases of 7-Amino-1,3-dihydro-2H-1,4-benzodiazepin-2-one. Chemistry and Biodiversity, 2020, 17, e2000342.	1.0	13
120	Assembling well-arranged covalent organic frameworks on MOF-derived graphitic carbon for remarkable formaldehyde sensing. Nanoscale, 2020, 12, 15611-15619.	2.8	78
121	Carboxymethyl cellulose structured nano-adsorbent for removal of methyl violet from aqueous solution: isotherm and kinetic analyses. Cellulose, 2020, 27, 3677-3691.	2.4	38
122	Efficient and Stable Ideal Bandgap Perovskite Solar Cell Achieved by a Small Amount of Tin Substituted Methylammonium Lead Iodide. Electronic Materials Letters, 2020, 16, 224-230.	1.0	20
123	Hydrothermal synthesis of novel nickel oxide@nitrogenous mesoporous carbon nanocomposite using costless smoked cigarette filter for high performance supercapacitor. Materials Letters, 2020, 266, 127492.	1.3	53
124	Environmental remediation of synthetic leachate produced from sanitary landfills using low-cost composite sorbent. Environmental Technology and Innovation, 2020, 18, 100680.	3.0	24
125	Removal of Cd(II) ion from aqueous environment using triaminotriethoxysilane grafted oxidized activated carbon synthesized via activation and subsequent silanization. Environmental Technology and Innovation, 2020, 18, 100686.	3.0	25
126	Fabrication of highly porous N/S doped carbon embedded with CuO/CuS nanoparticles for NH ₃ gas sensing. Materials Letters, 2020, 268, 127515.	1.3	10

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127	Unraveling the highly selective nature of silver-based metal-organic complexes for the detection of metal ions: the synergistic effect of dicarboxylic acid linkers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5051-5057.	2.7	12
128	Synthesis of magnetite loaded fluorescence micelles of triblock copolymer. <i>Journal of Molecular Liquids</i> , 2020, 305, 112785.	2.3	9
129	Facile Synthesis of Nanoporous Transition Metal-Based Phosphates for Oxygen Evolution Reaction. <i>ChemCatChem</i> , 2020, 12, 2091-2096.	1.8	106
130	A sustainable approach to utilize olive pips for the sorption of lead ions: Numerical modeling with aid of artificial neural network. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 15, 100220.	1.6	17
131	N/S-doped carbon embedded with AgNPs as a highly efficient catalyst for the reduction of toxic organic pollutants. <i>Materials Letters</i> , 2020, 264, 127310.	1.3	26
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