

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79 papers	6,947 citations	52 h-index	80 g-index
80 ext. papers	7,910 ext. citations	5.7 avg, IF	6.3 L-index

#	Paper	IF	Citations
79	Electromagnetic Interference Shielding Polymers and Nanocomposites - A Review. <i>Polymer Reviews</i> , 2019 , 59, 280-337	14	316
78	Biomass-derived nitrogen-doped carbon quantum dots: highly selective fluorescent probe for detecting Fe ions and tetracyclines. <i>Journal of Colloid and Interface Science</i> , 2019 , 539, 332-341	9.3	259
77	Polydimethylsiloxane-titania nanocomposite coating: Fabrication and corrosion resistance. <i>Polymer</i> , 2018 , 138, 203-210	3.9	250
76	NiO nanoparticles modified with 5,10,15,20-tetrakis(4-carboxyl phenyl)-porphyrin: promising peroxidase mimetics for H ₂ O ₂ and glucose detection. <i>Biosensors and Bioelectronics</i> , 2015 , 64, 147-53	11.8	248
75	Magnetic Nanocarbon Adsorbents with Enhanced Hexavalent Chromium Removal: Morphology Dependence of Fibrillar vs Particulate Structures. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 10689-10701	3.9	244
74	Reinforced carbon fiber laminates with oriented carbon nanotube epoxy nanocomposites: Magnetic field assisted alignment and cryogenic temperature mechanical properties. <i>Journal of Colloid and Interface Science</i> , 2018 , 517, 40-51	9.3	222
73	Enhanced Electromagnetic Wave Absorption of Three-Dimensional Porous Fe ₃ O ₄ /C Composite Flowers. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 12471-12480	8.3	217
72	Microwave solvothermal carboxymethyl chitosan templated synthesis of TiO ₂ /ZrO ₂ composites toward enhanced photocatalytic degradation of Rhodamine B. <i>Journal of Colloid and Interface Science</i> , 2019 , 541, 18-29	9.3	196
71	Experimental and simulation-based understanding of morphology controlled barium titanate nanoparticles under co-adsorption of surfactants. <i>CrystEngComm</i> , 2017 , 19, 3288-3298	3.3	179
70	Flame-retardant rigid polyurethane foam with a phosphorus-nitrogen single intumescent flame retardant. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 668-676	3.2	174
69	Long-term antibacterial stable reduced graphene oxide nanocomposites loaded with cuprous oxide nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2019 , 533, 13-23	9.3	174
68	Ultrasonic Pretreated Sludge Derived Stable Magnetic Active Carbon for Cr(VI) Removal from Wastewater. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 7283-7291	8.3	166
67	Superhydrophobic/Superoleophilic Polycarbonate/Carbon Nanotubes Porous Monolith for Selective Oil Adsorption from Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 13747-13755	8.3	158
66	Electrically Insulated Epoxy Nanocomposites Reinforced with Synergistic Core/Shell SiO ₂ @MWCNTs and Montmorillonite Bifillers. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1700357-6	7.6	150
65	Crosslinked norbornene copolymer anion exchange membrane for fuel cells. <i>Journal of Membrane Science</i> , 2018 , 556, 118-125	9.6	145
64	Superlyophobic anti-corrosive and self-cleaning titania robust mesh membrane with enhanced oil/water separation. <i>Separation and Purification Technology</i> , 2018 , 201, 193-204	8.3	143
63	Super light 3D hierarchical nanocellulose aerogel foam with superior oil adsorption. <i>Journal of Colloid and Interface Science</i> , 2019 , 536, 245-251	9.3	143

62	Overview of polymer nanocomposites: Computer simulation understanding of physical properties. <i>Polymer</i> , 2017 , 133, 272-287	3.9	137
61	Zinc oxide/vanadium pentoxide heterostructures with enhanced day-night antibacterial activities. <i>Journal of Colloid and Interface Science</i> , 2019 , 547, 40-49	9.3	135
60	Progress on the Photocatalytic Reduction Removal of Chromium Contamination. <i>Chemical Record</i> , 2019 , 19, 873-882	6.6	132
59	Crystal Structure Modification Enhanced FeNb ₁₁ O ₂₉ Anodes for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2017 , 4, 3171-3180	4.3	130
58	Hexavalent chromium removal over magnetic carbon nanoadsorbents: synergistic effect of fluorine and nitrogen co-doping. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 13062-13074	13	130
57	Excellent corrosion protection performance of epoxy composite coatings filled with silane functionalized silicon nitride. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	125
56	Recent Advances in Materials and Design of Electrochemically Rechargeable Zinc-Air Batteries. <i>Small</i> , 2018 , 14, e1801929	11	120
55	Facile Preparation of 1T/2H-Mo(S _{1-x} Se _x) ₂ Nanoparticles for Boosting Hydrogen Evolution Reaction. <i>ChemCatChem</i> , 2019 , 11, 2217-2222	5.2	105
54	Carbon Nanomaterials in Direct Liquid Fuel Cells. <i>Chemical Record</i> , 2018 , 18, 1365-1372	6.6	100
53	Synthesis, characterization and photocatalytic activity of mixed-metal oxides derived from NiCoFe ternary layered double hydroxides. <i>Dalton Transactions</i> , 2018 , 47, 9765-9778	4.3	94
52	Anchoring carbon nanotubes and post-hydroxylation treatment enhanced Ni nanofiber catalysts towards efficient hydrous hydrazine decomposition for effective hydrogen generation. <i>Chemical Communications</i> , 2019 , 55, 9011-9014	5.8	93
51	Intracellular Polymer Substances Induced Conductive Polyaniline for Improved Methane Production from Anaerobic Wastewater Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 5912-5920	8.3	89
50	Flexible Zinc-Ion Hybrid Fiber Capacitors with Ultrahigh Energy Density and Long Cycling Life for Wearable Electronics. <i>Small</i> , 2019 , 15, e1903817	11	86
49	Esterification synthesis of ethyl oleate catalyzed by Brønsted acid-surfactant-combined ionic liquid. <i>Green Chemistry Letters and Reviews</i> , 2017 , 10, 202-209	4.7	86
48	Solvothermal synthesis, characterization and photocatalytic property of zirconium dioxide doped titanium dioxide spinous hollow microspheres with sunflower pollen as bio-templates. <i>Journal of Colloid and Interface Science</i> , 2018 , 529, 111-121	9.3	85
47	Synthesis and Characterization of ZnNiIn Layered Double Hydroxides Derived Mixed Metal Oxides with Highly Efficient Photoelectrocatalytic Activities. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 836-848	3.9	84
46	Iridium-Based Catalysts for Solid Polymer Electrolyte Electrocatalytic Water Splitting. <i>ChemSusChem</i> , 2019 , 12, 1576-1590	8.3	82
45	Yeast-template synthesized Fe-doped cerium oxide hollow microspheres for visible photodegradation of acid orange 7. <i>Journal of Colloid and Interface Science</i> , 2018 , 511, 39-47	9.3	81

44	Solvent-free graphene liquids: Promising candidates for lubricants without the base oil. <i>Journal of Colloid and Interface Science</i> , 2019 , 542, 159-167	9.3	79
43	Controllable organic magnetoresistance in polyaniline coated poly(p-phenylene-2,6-benzobisoxazole) short fibers. <i>Chemical Communications</i> , 2019 , 55, 10068-10071	5.8	79
42	Surface intercalated spherical MoSSe nanocatalysts for highly efficient and durable hydrogen evolution reactions. <i>Dalton Transactions</i> , 2019 , 48, 8279-8287	4.3	78
41	N self-doped ZnO derived from microwave hydrothermal synthesized zeolitic imidazolate framework-8 toward enhanced photocatalytic degradation of methylene blue. <i>Journal of Colloid and Interface Science</i> , 2020 , 565, 142-155	9.3	77
40	Highly efficient cobalt nanoparticles anchored porous N-doped carbon nanosheets electrocatalysts for Li-O ₂ batteries. <i>Journal of Catalysis</i> , 2019 , 377, 534-542	7.3	76
39	Constructing efficient mixed-ion perovskite solar cells based on TiO nanorod array. <i>Journal of Colloid and Interface Science</i> , 2019 , 534, 459-468	9.3	72
38	Controllable Synthesis of Monolayer Poly(acrylic acid) on the Channel Surface of Mesoporous Alumina for Pb(II) Adsorption. <i>Langmuir</i> , 2018 , 34, 7859-7868	4	71
37	Template-free microwave-assisted synthesis of FeTi coordination complex yolk-shell microspheres for superior catalytic removal of arsenic and chemical degradation of methylene blue from polluted water. <i>Powder Technology</i> , 2019 , 356, 726-734	5.2	70
36	Suppressing Charge Recombination and Ultraviolet Light Degradation of Perovskite Solar Cells Using Silicon Oxide Passivation. <i>ChemElectroChem</i> , 2019 , 6, 3167-3174	4.3	68
35	Structural characterization of lignin from <i>D. sinicus</i> by FTIR and NMR techniques. <i>Green Chemistry Letters and Reviews</i> , 2019 , 12, 235-243	4.7	66
34	Synergistic Hematite-Fullerene Electron-Extracting Layers for Improved Efficiency and Stability in Perovskite Solar Cells. <i>ChemElectroChem</i> , 2018 , 5, 726-731	4.3	66
33	Microwave Solvothermal Fabrication of Zirconia Hollow Microspheres with Different Morphologies Using Pollen Templates and Their Dye Adsorption Removal. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 231-241	3.9	66
32	pH-responsive Capsaicin@chitosan nanocapsules for antibiofouling in marine applications. <i>Polymer</i> , 2018 , 158, 223-230	3.9	64
31	Microwave Hydrothermal Synthesis of In ₂ O ₃ -ZnO Nanocomposites and Their Enhanced Photoelectrochemical Properties. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H3074-H3083	3.9	62
30	Synergistically Toughening Polyoxymethylene by Methyl Methacrylate-Butadiene-Styrene Copolymer and Thermoplastic Polyurethane. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1800567	2.6	61
29	Metal complex hybrid composites based on fullerene-bearing porous polycarbazole for H ₂ , CO ₂ and CH ₄ uptake and heterogeneous hydrogenation catalysis. <i>Polymer</i> , 2019 , 169, 255-262	3.9	55
28	In situ polymerized poly(acrylic acid)/alumina nanocomposites for Pb ²⁺ adsorption. <i>Advances in Polymer Technology</i> , 2018 , 37, 2981-2996	1.9	53
27	Water-based rust converter and its polymer composites for surface anticorrosion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 537, 334-342	5.1	45

26	Preparation of NiO/TiO ₂ p-n heterojunction composites and its photocathodic protection properties for 304 stainless steel under simulated solar light. <i>Journal of Alloys and Compounds</i> , 2017 , 703, 530-537	5.7	40
25	Microwave hydrothermal synthesized ZnIn-layered double hydroxides derived ZnIn-layered double oxides for enhanced methylene blue photodegradation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 592, 124588	5.1	39
24	The facile preparation of novel magnetic zirconia composites with the aid of carboxymethyl chitosan and their efficient removal of dye. <i>RSC Advances</i> , 2016 , 6, 58020-58027	3.7	34
23	Porphyrin nanotubes composed of highly ordered molecular arrays prepared by anodic aluminum template method. <i>RSC Advances</i> , 2013 , 3, 2765	3.7	29
22	One-step co-precipitation synthesis of novel BiOCl/CeO ₂ composites with enhanced photodegradation of rhodamine B. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1345-1361	6.8	26
21	5,10,15,20-tetrakis(4-carboxyl phenyl)porphyrin-CdS nanocomposites with intrinsic peroxidase-like activity for glucose colorimetric detection. <i>Materials Science and Engineering C</i> , 2014 , 42, 177-84	8.3	26
20	Effects of polystyrene-b-poly(ethylene/propylene)-b-polystyrene compatibilizer on the recycled polypropylene and recycled high-impact polystyrene blends. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 2344-2351	3.2	26
19	Advances in Template Prepared Nano-Oxides and their Applications: Polluted Water Treatment, Energy, Sensing and Biomedical Drug Delivery. <i>Chemical Record</i> , 2020 , 20, 710-729	6.6	25
18	Adsorption properties of ZrO ₂ hollow microboxes prepared using CaCO ₃ cubes as templates. <i>RSC Advances</i> , 2016 , 6, 81736-81743	3.7	19
17	Microwave Hydrothermally Synthesized Metal-Organic Framework-5 Derived C-doped ZnO with Enhanced Photocatalytic Degradation of Rhodamine B. <i>Langmuir</i> , 2020 , 36, 9658-9667	4	19
16	Facile bioactive yeast cell templated synthesis of laser stealth antimony doped tin oxide hollow microspheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 583, 123965	5.1	18
15	ZnFe ₂ O ₄ /TiO ₂ nanocomposite films for photocathodic protection of 304 stainless steel under visible light. <i>Materials Research Bulletin</i> , 2017 , 95, 253-260	5.1	18
14	Sodium dodecyl benzene sulfonate-catalyzed reaction for aromatic aldehydes with 1-phenyl-3-methyl-5-pyrazolone in aqueous media. <i>Green Chemistry Letters and Reviews</i> , 2018 , 11, 217-223	4.7	18
13	ZnFeAl-layered double hydroxides/TiO composites as photoanodes for photocathodic protection of 304 stainless steel. <i>Scientific Reports</i> , 2018 , 8, 4116	4.9	17
12	Preparation of MCA-SiO ₂ and Its Flame Retardant Effects on Glass Fiber Reinforced Polypropylene. <i>Fibers and Polymers</i> , 2019 , 20, 120-128	2	16
11	Advances in Waterborne Acrylic Resins: Synthesis Principle, Modification Strategies, and Their Applications. <i>ACS Omega</i> , 2021 , 6, 2443-2449	3.9	16
10	Effect of 3-aminopropyltriethoxysilane on the properties of cellulose acetate butyrate modified acrylic waterborne coatings. <i>Reactive and Functional Polymers</i> , 2020 , 154, 104657	4.6	13
9	Microwave-hydrothermal synthesis of beta-bismuth (III) oxide nanopowders and their enhanced photocatalytic properties. <i>Powder Technology</i> , 2020 , 370, 226-236	5.2	12

8	Influence of molecular weight of chitosan on the microstructures and photocatalytic property of ZrO ₂ prepared by chitosan templates method. <i>Materials Research Bulletin</i> , 2016 , 83, 657-663	5.1	10
7	Preparation of ZnWO ₄ /TiO ₂ composite film and its photocathodic protection for 304 stainless steel under visible light. <i>Nanotechnology</i> , 2019 , 30, 045710	3.4	9
6	Fabrication and Characterization of Hollow Zirconia Microspheres Using Calcium Carbonate as Template. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016 , 230, 1617-1628	3.1	7
5	Preparation and photocatalytic property of porous CuO hollow microspheres via carbon sphere templates. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 10271-7	1.3	6
4	A New Layered Six-Connected Network Based on Tetranuclear Copper(II) Cores. <i>Journal of Chemical Crystallography</i> , 2012 , 42, 706-710	0.5	5
3	One-pot In Situ Microwave Hydrothermally Grown Zeolitic Imidazolate Framework-8 on ZnIn-Layered Double Oxides toward Enhanced Methylene Blue Photodegradation. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 16637-16648	3.9	5
2	Rectifying and ultraviolet photovoltage characteristics of La _{0.9} Na _{0.1} MnO ₃ /SrTiO ₃ -Nb heterostructures. <i>Applied Physics Letters</i> , 2017 , 111, 132101	3.4	3
1	Electrodeposition Synthesis of Polyaniline-Modified TiO ₂ Nanotube Arrays with Enhanced Photoelectrochemical Property. <i>Transactions of the Indian Ceramic Society</i> , 2015 , 74, 152-156	1.8	2