

Sher Bahadar Khan

List of Publications by Year in descending order

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391
papers

14,986
citations

13068

68
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35952

97
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399
all docs

399
docs citations

399
times ranked

12723
citing authors

#	ARTICLE	IF	CITATIONS
1	Pollution, Toxicity and Carcinogenicity of Organic Dyes and their Catalytic Bio-Remediation. Current Pharmaceutical Design, 2019, 25, 3645-3663.	0.9	336
2	Mesoporous Co ₃ O ₄ as an electrocatalyst for water oxidation. Nano Research, 2013, 6, 47-54.	5.8	274
3	Exploration of CeO ₂ nanoparticles as a chemi-sensor and photo-catalyst for environmental applications. Science of the Total Environment, 2011, 409, 2987-2992.	3.9	236
4	A Comprehensive Review of Magnetic Nanomaterials Modern Day Theranostics. Frontiers in Materials, 2019, 6, .	1.2	213
5	Prospective of the cosmeceuticals derived from marine organisms. Biotechnology and Bioprocess Engineering, 2008, 13, 511-523.	1.4	203
6	Green synthesis of plant supported Cu Ag and Cu Ni bimetallic nanoparticles in the reduction of nitrophenols and organic dyes for water treatment. Journal of Molecular Liquids, 2018, 260, 78-91.	2.3	187
7	Low-temperature growth of ZnO nanoparticles: Photocatalyst and acetone sensor. Talanta, 2011, 85, 943-949.	2.9	171
8	CuO Codoped ZnO Based Nanostructured Materials for Sensitive Chemical Sensor Applications. ACS Applied Materials & Interfaces, 2011, 3, 1346-1351.	4.0	162
9	Highly sensitive ethanol chemical sensor based on Ni-doped SnO ₂ nanostructure materials. Biosensors and Bioelectronics, 2011, 28, 127-134.	5.3	161
10	Role of ZnO-CeO ₂ Nanostructures as a Photo-catalyst and Chemi-sensor. Journal of Materials Science and Technology, 2011, 27, 594-600.	5.6	156
11	Catalytic reduction of picric acid, nitrophenols and organic azo dyes via green synthesized plant supported Ag nanoparticles. Journal of Molecular Liquids, 2018, 268, 87-101.	2.3	156
12	Synthesis of zero-valent Cu nanoparticles in the chitosan coating layer on cellulose microfibers: evaluation of azo dyes catalytic reduction. Cellulose, 2016, 23, 1911-1923.	2.4	155
13	Dye adsorption and bactericidal properties of TiO ₂ /chitosan coating layer. Carbohydrate Polymers, 2016, 148, 153-160.	5.1	142
14	Highly-enhanced water resistant and oxygen barrier properties of cross-linked poly(vinyl alcohol) hybrid films for packaging applications. Progress in Organic Coatings, 2015, 85, 68-75.	1.9	141
15	Mechanical and radiation shielding properties of tellurite glasses doped with ZnO and NiO. Ceramics International, 2020, 46, 19078-19083.	2.3	139
16	Adsorption and photocatalyst assisted dye removal and bactericidal performance of ZnO/chitosan coating layer. International Journal of Biological Macromolecules, 2015, 81, 584-590.	3.6	137
17	Nickel nanoparticles-chitosan composite coated cellulose filter paper: An efficient and easily recoverable dip-catalyst for pollutants degradation. Environmental Pollution, 2016, 218, 625-633.	3.7	133
18	Natural polymers supported copper nanoparticles for pollutants degradation. Applied Surface Science, 2016, 387, 1154-1161.	3.1	131

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19	Fabrication of Highly Sensitive Ethanol Chemical Sensor Based on Sm-Doped Co ₃ O ₄ Nanokernels by a Hydrothermal Method. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9503-9510.	1.5	130
20	Ethanol chemi-sensor: Evaluation of structural, optical and sensing properties of CuO nanosheets. <i>Materials Letters</i> , 2011, 65, 1400-1403.	1.3	127
21	CuO embedded chitosan spheres as antibacterial adsorbent for dyes. <i>International Journal of Biological Macromolecules</i> , 2016, 88, 113-119.	3.6	124
22	Chitosan-titanium oxide fibers supported zero-valent nanoparticles: Highly efficient and easily retrievable catalyst for the removal of organic pollutants. <i>Scientific Reports</i> , 2018, 8, 6260.	1.6	123
23	Photoinduced Atom Transfer Radical Polymerization Using Semiconductor Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2014, 35, 454-459.	2.0	120
24	Green synthesis of zerovalent copper nanoparticles for efficient reduction of toxic azo dyes congo red and methyl orange. <i>Green Processing and Synthesis</i> , 2019, 8, 135-143.	1.3	119
25	Biosynthesis of silver nanoparticles: A colorimetric optical sensor for detection of hexavalent chromium and ammonia in aqueous solution. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 103, 367-376.	1.3	114
26	Fabrication of ZnO nanoparticles based sensitive methanol sensor and efficient photocatalyst. <i>Applied Surface Science</i> , 2012, 258, 7515-7522.	3.1	110
27	Anti-bacterial chitosan/zinc phthalocyanine fibers supported metallic and bimetallic nanoparticles for the removal of organic pollutants. <i>Carbohydrate Polymers</i> , 2017, 173, 676-689.	5.1	109
28	Preparation and characterization of UV-cured polyurethane acrylate/ZnO nanocomposite films based on surface modified ZnO. <i>Progress in Organic Coatings</i> , 2012, 74, 435-442.	1.9	107
29	An efficient and easily retrievable dip catalyst based on silver nanoparticles/chitosan-coated cellulose filter paper. <i>Cellulose</i> , 2016, 23, 3577-3588.	2.4	107
30	Novel combination of zero-valent Cu and Ag nanoparticles @ cellulose acetate nanocomposite for the reduction of 4-nitro phenol. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 868-877.	3.6	107
31	Smart chemical sensor and active photo-catalyst for environmental pollutants. <i>Chemical Engineering Journal</i> , 2011, 173, 178-184.	6.6	103
32	Antibacterial nanocomposites based on chitosan/Co-MCM as a selective and efficient adsorbent for organic dyes. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 744-751.	3.6	103
33	Preparation and properties of poly(propylene carbonate) and nanosized ZnO composite films for packaging applications. <i>Journal of Applied Polymer Science</i> , 2011, 122, 1101-1108.	1.3	102
34	Chitosan coated cotton cloth supported zero-valent nanoparticles: Simple but economically viable, efficient and easily retrievable catalysts. <i>Scientific Reports</i> , 2017, 7, 16957.	1.6	100
35	Bactericidal and catalytic performance of green nanocomposite based-on chitosan/carbon black fiber supported monometallic and bimetallic nanoparticles. <i>Chemosphere</i> , 2017, 188, 588-598.	4.2	99
36	Synthesis and catalytic properties of silver nanoparticles supported on porous cellulose acetate sheets and wet-spun fibers. <i>Carbohydrate Polymers</i> , 2017, 157, 294-302.	5.1	99

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37	Highly sensitive formaldehyde chemical sensor based on hydrothermally prepared spinel ZnFe ₂ O ₄ nanorods. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 932-937.	4.0	98
38	Synthesis, characterizations, photocatalytic and sensing studies of ZnO nanocapsules. <i>Applied Surface Science</i> , 2011, 258, 672-677.	3.1	96
39	Highly sensitive methanol chemical sensor based on undoped silver oxide nanoparticles prepared by a solution method. <i>Mikrochimica Acta</i> , 2012, 178, 99-106.	2.5	96
40	Antibacterial PES-CA-Ag ₂ O nanocomposite supported Cu nanoparticles membrane toward ultrafiltration, BSA rejection and reduction of nitrophenol. <i>Journal of Molecular Liquids</i> , 2017, 230, 616-624.	2.3	96
41	Synthesis and characterization of metal nanoparticles templated chitosan-SiO ₂ catalyst for the reduction of nitrophenols and dyes. <i>Carbohydrate Polymers</i> , 2018, 192, 217-230.	5.1	95
42	Assessment of antibacterial cellulose nanocomposites for water permeability and salt rejection. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 24, 266-275.	2.9	94
43	Chitosan-coated polyurethane sponge supported metal nanoparticles for catalytic reduction of organic pollutants. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 772-783.	3.6	94
44	Characterization and applications of as-grown γ -Fe ₂ O ₃ nanoparticles prepared by hydrothermal method. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3789-3799.	0.8	93
45	Multi-layered mesoporous TiO ₂ thin films with large pores and highly crystalline frameworks for efficient photoelectrochemical conversion. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1591-1599.	5.2	91
46	Fabrication of highly sensitive acetone sensor based on sonochemically prepared as-grown Ag ₂ O nanostructures. <i>Chemical Engineering Journal</i> , 2012, 192, 122-128.	6.6	87
47	Structure and thermal properties of octadecane/expanded graphite composites as shape-stabilized phase change materials. <i>International Journal of Heat and Mass Transfer</i> , 2016, 95, 735-741.	2.5	87
48	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.	3.6	86
49	Hierarchical Cu ₂ S Microsponges Constructed from Nanosheets for Efficient Photocatalysis. <i>Small</i> , 2013, 9, 2702-2708.	5.2	85
50	Physicochemical characterization of Malaysian crop and agro-industrial biomass residues as renewable energy resources. <i>Industrial Crops and Products</i> , 2018, 111, 642-650.	2.5	84
51	Bacterial cellulose as support for biopolymer stabilized catalytic cobalt nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 1162-1170.	3.6	83
52	Synthesis, characterization of silver nanoparticle embedded polyaniline tungstophosphate-nanocomposite cation exchanger and its application for heavy metal selective membrane. <i>Composites Part B: Engineering</i> , 2013, 45, 1486-1492.	5.9	81
53	Preparation and characterization of poly(propylene carbonate)/exfoliated graphite nanocomposite films with improved thermal stability, mechanical properties and barrier properties. <i>Polymer International</i> , 2013, 62, 1386-1394.	1.6	80
54	Anti-bacterial PES-cellulose composite spheres: dual character toward extraction and catalytic reduction of nitrophenol. <i>RSC Advances</i> , 2016, 6, 110077-110090.	1.7	80

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55	A facile synthesis of CuAg nanoparticles on highly porous ZnO/carbon black-cellulose acetate sheets for nitroarene and azo dyes reduction/degradation. <i>International Journal of Biological Macromolecules</i> , 2019, 130, 288-299.	3.6	80
56	Enzymes Inhibiting Lignans from <i>Vitex negundo</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2004, 52, 1269-1272.	0.6	78
57	An assessment of zinc oxide nanosheets as a selective adsorbent for cadmium. <i>Nanoscale Research Letters</i> , 2013, 8, 377.	3.1	78
58	Layered double hydroxide of Cd-Al/C for the Mineralization and De-coloration of Dyes in Solar and Visible Light Exposure. <i>Scientific Reports</i> , 2016, 6, 35107.	1.6	76
59	Recent Development of Chitosan Nanocomposites for Environmental Applications. <i>Recent Patents on Nanotechnology</i> , 2016, 10, 181-188.	0.7	76
60	Visible light activated degradation of organic pollutants using zinc-iron selenide. <i>Journal of Molecular Liquids</i> , 2017, 229, 429-435.	2.3	75
61	Versatility of Hydrogels: From Synthetic Strategies, Classification, and Properties to Biomedical Applications. <i>Gels</i> , 2022, 8, 167.	2.1	75
62	Tyrosinase inhibitory lignans from the methanol extract of the roots of <i>Vitex negundo</i> Linn. and their structure-activity relationship. <i>Phytomedicine</i> , 2006, 13, 255-260.	2.3	73
63	Chloride ion sensors based on low-dimensional $\text{MnO}_2/\text{Co}_3\text{O}_4$ nanoparticles fabricated glassy carbon electrodes by simple CV technique. <i>Electrochimica Acta</i> , 2013, 103, 143-150.	2.6	73
64	Electrochemical determination of olmesartan medoxomil using hydrothermally prepared nanoparticles composed $\text{SnO}_2/\text{Co}_3\text{O}_4$ nanocubes in tablet dosage forms. <i>Talanta</i> , 2012, 99, 924-931.	2.9	72
65	Synthesis and characterization of novel UV-curable polyurethane-clay nanohybrid: Influence of organically modified layered silicates on the properties of polyurethane. <i>Progress in Organic Coatings</i> , 2011, 71, 36-42.	1.9	71
66	Acetone sensor based on solvothermally prepared ZnO doped with Co_3O_4 nanorods. <i>Mikrochimica Acta</i> , 2013, 180, 675-685.	2.5	71
67	Highly sensitive and stable phenyl hydrazine chemical sensors based on CuO flower shapes and hollow spheres. <i>New Journal of Chemistry</i> , 2013, 37, 1098.	1.4	71
68	UV-cured poly(urethane acrylate) composite films containing surface-modified tetrapod ZnO whiskers. <i>Composites Science and Technology</i> , 2013, 75, 84-92.	3.8	71
69	Toward the design of Zn-Al and Zn-Cr LDH wrapped in activated carbon for the solar assisted de-coloration of organic dyes. <i>RSC Advances</i> , 2016, 6, 83196-83208.	1.7	71
70	Mixed micellization between amphiphilic drug promethazine hydrochloride and cationic surfactant (conventional as well as gemini). <i>Journal of Molecular Liquids</i> , 2013, 177, 19-25.	2.3	69
71	Highly efficient removal of acid red 17 and bromophenol blue dyes from industrial wastewater using graphene oxide functionalized magnetic chitosan composite. <i>Polymer Composites</i> , 2018, 39, 3317-3328.	2.3	69
72	Synthesis and environmental applications of cellulose/ZrO ₂ nanohybrid as a selective adsorbent for nickel ion. <i>Composites Part B: Engineering</i> , 2013, 50, 253-258.	5.9	68

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73	Electrochemical detection and catalytic removal of 4-nitrophenol using CeO ₂ -Cu ₂ O and CeO ₂ -Cu ₂ O/CH nanocomposites. <i>Applied Surface Science</i> , 2019, 492, 726-735.	3.1	68
74	Chemical sensor development based on polycrystalline gold electrode embedded low-dimensional Ag ₂ O nanoparticles. <i>Electrochimica Acta</i> , 2013, 112, 422-430.	2.6	67
75	Scanning Electron Microscopy: Principle and Applications in Nanomaterials Characterization. , 2018, , 113-145.		67
76	Special susceptible aqueous ammonia chemi-sensor: Extended applications of novel UV-curable polyurethane-clay nanohybrid. <i>Talanta</i> , 2011, 84, 1005-1010.	2.9	66
77	Fabrication of a methanol chemical sensor based on hydrothermally prepared Fe^{2+} -Fe ₂ O ₃ codoped SnO ₂ nanocubes. <i>Talanta</i> , 2012, 95, 18-24.	2.9	66
78	Cobalt doped antimony oxide nano-particles based chemical sensor and photo-catalyst for environmental pollutants. <i>Applied Surface Science</i> , 2012, 261, 52-58.	3.1	66
79	Chitosan coated cellulose cotton fibers as catalyst for the H ₂ production from NaBH ₄ methanolysis. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 4143-4155.	3.8	66
80	Efficient solar photocatalyst based on cobalt oxide/iron oxide composite nanofibers for the detoxification of organic pollutants. <i>Nanoscale Research Letters</i> , 2014, 9, 510.	3.1	65
81	Assessment of long-range corrected functionals for the prediction of non-linear optical properties of organic materials. <i>Chemical Physics Letters</i> , 2013, 575, 122-125.	1.2	62
82	Micellization behavior of amphiphilic drug promazine hydrochloride and sodium dodecyl sulfate mixtures at various temperatures: Effect of electrolyte and urea. <i>Journal of Molecular Liquids</i> , 2015, 212, 532-543.	2.3	62
83	A fascinating combination of Co, Ni and Al nanomaterial for oxygen evolution reaction. <i>Applied Surface Science</i> , 2016, 370, 445-451.	3.1	62
84	Assessment of Anti-bacterial Ni-Al/chitosan Composite Spheres for Adsorption Assisted Photo-Degradation of Organic Pollutants. <i>Current Nanoscience</i> , 2016, 12, 569-575.	0.7	62
85	Synthesis, characterization, and application of Au@Ag alloy nanoparticles for the sensing of an environmental toxin, pyrene. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 463-472.	1.5	60
86	Fabrication of chloroform sensor based on hydrothermally prepared low-dimensional Fe^{2+} -Fe ₂ O ₃ nanoparticles. <i>Superlattices and Microstructures</i> , 2011, 50, 369-376.	1.4	59
87	Anticancer, antibacterial and pollutant degradation potential of silver nanoparticles from <i>Hyphaene thebaica</i> . <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 889-894.	1.0	58
88	Selective determination of gold(III) ion using CuO microsheets as a solid phase adsorbent prior by ICP-OES measurement. <i>Talanta</i> , 2013, 104, 75-82.	2.9	57
89	Selective detection of toxic Pb(II) ions based on wet-chemically prepared nanosheets integrated CuO@ZnO nanocomposites. <i>Composites Part B: Engineering</i> , 2013, 54, 215-223.	5.9	56
90	Detection of a pre-potent drug based on low-dimensional un-doped iron oxide nanoparticles prepared by a solution method. <i>Electrochimica Acta</i> , 2012, 75, 164-170.	2.6	55

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91	Microwave Assisted Synthesis and Carboxymethyl Cellulose Stabilized Copper Nanoparticles on Bacterial Cellulose Nanofibers Support for Pollutants Degradation. <i>Journal of Polymers and the Environment</i> , 2019, 27, 2867-2877.	2.4	55
92	Synthesis and characterization of novel UV-Curable PU-Si hybrids: Influence of silica on thermal, mechanical, and water sorption properties of polyurethane acrylates. <i>Macromolecular Research</i> , 2011, 19, 1006-1013.	1.0	54
93	Chemo-sensors development based on low-dimensional codoped Mn ₂ O ₃ -ZnO nanoparticles using flat-silver electrodes. <i>Chemistry Central Journal</i> , 2013, 7, 60.	2.6	54
94	Metal nanoparticles containing chitosan wrapped cellulose nanocomposites for catalytic hydrogen production and reduction of environmental pollutants. <i>Carbohydrate Polymers</i> , 2020, 242, 116286.	5.1	54
95	Performance of cellulose acetate-ferric oxide nanocomposite supported metal catalysts toward the reduction of environmental pollutants. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 668-677.	3.6	53
96	Agarose biopolymer coating on polyurethane sponge as host for catalytic silver metal nanoparticles. <i>Polymer Testing</i> , 2019, 78, 105983.	2.3	53
97	Physicochemical Properties of Amphiphilic Drug and Anionic Surfactant Mixtures: Experimental and Theoretical Approach. <i>Journal of Dispersion Science and Technology</i> , 2015, 36, 521-531.	1.3	51
98	Novel synthesis of silver nanoparticles using melon aqueous extract and evaluation of their feeding deterrent activity against housefly <i>Musca domestica</i> . <i>Asian Pacific Journal of Tropical Disease</i> , 2016, 6, 311-316.	0.5	51
99	Adsorption efficiency of date palm based activated carbon-alginate membrane for methylene blue. <i>Chemosphere</i> , 2022, 302, 134793.	4.2	51
100	Tyrosinase inhibitory cycloartane type triterpenoids from the methanol extract of the whole plant of <i>Amberboa ramosa</i> Jafri and their structure-activity relationship. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 938-943.	1.4	50
101	Semiconductor nanoparticles for photoinitiation of free radical polymerization in aqueous and organic media. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1500-1507.	2.5	50
102	Enhanced H ₂ generation from NaBH ₄ hydrolysis and methanolysis by cellulose micro-fibrous cottons as metal templated catalyst. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 6539-6550.	3.8	50
103	Aggregation behaviour of amphiphilic drug and bile salt mixtures at different compositions and temperatures. <i>Journal of Chemical Thermodynamics</i> , 2013, 64, 28-39.	1.0	49
104	Overcoming challenges for amplified expression of recombinant proteins using <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2018, 144, 12-18.	0.6	49
105	Fourier Transform Infrared Spectroscopy: Fundamentals and Application in Functional Groups and Nanomaterials Characterization. , 2018, , 317-344.		49
106	Copper nanoparticles embedded chitosan for efficient detection and reduction of nitroaniline. <i>International Journal of Biological Macromolecules</i> , 2019, 131, 666-675.	3.6	49
107	Metal nanoparticles decorated sodium alginate-carbon nitride composite beads as effective catalyst for the reduction of organic pollutants. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 1087-1098.	3.6	49
108	Humidity and temperature sensing properties of copper oxide-Si-adhesive nanocomposite. <i>Talanta</i> , 2014, 120, 443-449.	2.9	47

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109	Antiproliferation and antibacterial effect of biosynthesized AgNps from leaves extract of <i>Guiera senegalensis</i> and its catalytic reduction on some persistent organic pollutants. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 175, 99-108.	1.7	46
110	Potential application of <i>Allium Cepa</i> seeds as a novel biosorbent for efficient biosorption of heavy metals ions from aqueous solution. <i>Chemosphere</i> , 2021, 279, 130545.	4.2	46
111	Preparation of sludge biochar rich in carboxyl/hydroxyl groups by quenching process and its excellent adsorption performance for Cr(VI). <i>Chemosphere</i> , 2021, 285, 131439.	4.2	46
112	Development of photocatalysts for selective and efficient organic transformations. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 148, 209-222.	1.7	45
113	Impedimetric humidity and temperature sensing properties of chitosan-CuMn ₂ O ₄ spinel nanocomposite. <i>Ceramics International</i> , 2019, 45, 10565-10571.	2.3	45
114	Cellulose acetate-Ce/Zr@CuO catalyst for the degradation of organic pollutant. <i>International Journal of Biological Macromolecules</i> , 2020, 153, 806-816.	3.6	45
115	Electro-catalyst based on cerium doped cobalt oxide for oxygen evolution reaction in electrochemical water splitting. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5294-5302.	1.1	44
116	Green synthesis of antibacterial bimetallic Ag@Cu nanoparticles for catalytic reduction of persistent organic pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 20840-20855.	1.1	44
117	Chitosan coated NiAl layered double hydroxide microsphere templated zero-valent metal NPs for environmental remediation. <i>Journal of Cleaner Production</i> , 2021, 285, 124830.	4.6	44
118	Polymer Nanocomposite Membranes for Antifouling Nanofiltration. <i>Recent Patents on Nanotechnology</i> , 2016, 10, 189-201.	0.7	44
119	Impedimetric sensing of humidity and temperature using CeO ₂ @Co ₃ O ₄ nanoparticles in polymer hosts. <i>Mikrochimica Acta</i> , 2015, 182, 2019-2026.	2.5	43
120	Medicago polymorpha-mediated antibacterial silver nanoparticles in the reduction of methyl orange. <i>Green Processing and Synthesis</i> , 2019, 8, 118-127.	1.3	43
121	SnO ₂ @TiO ₂ nanocomposites as new adsorbent for efficient removal of La(III) ions from aqueous solutions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1964-1974.	2.7	42
122	Sensitive and fast response ethanol chemical sensor based on as-grown Gd ₂ O ₃ nanostructures. <i>Journal of Rare Earths</i> , 2015, 33, 214-220.	2.5	42
123	Bond-Based 2D Quadratic Fingerprints in QSAR Studies: Virtual and <i>In vitro</i> Tyrosinase Inhibitory Activity Elucidation. <i>Chemical Biology and Drug Design</i> , 2010, 76, 538-545.	1.5	41
124	A computational study of the nonlinear optical properties of carbazole derivatives: theory refines experiment. <i>Theoretical Chemistry Accounts</i> , 2014, 133, 1.	0.5	41
125	Cerium based photocatalysts for the degradation of acridine orange in visible light. <i>Journal of Molecular Liquids</i> , 2017, 241, 20-26.	2.3	41
126	Carboxymethyl cellulose nanocomposite beads as super-efficient catalyst for the reduction of organic and inorganic pollutants. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 101-116.	3.6	41

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127	Agar hydrogel supported metal nanoparticles catalyst for pollutants degradation in water. , 0, 136, 290-298.		41
128	Bile Salts Aggregation Behavior at Various Temperatures under the Influence of Amphiphilic Drug Imipramine Hydrochloride in Aqueous Medium. Zeitschrift Fur Physikalische Chemie, 2014, 228, 747-767.	1.4	40
129	Plantâ€supported silver nanoparticles: Efficient, economically viable and easily recoverable catalyst for the reduction of organic pollutants. Applied Organometallic Chemistry, 2019, 33, e4971.	1.7	40
130	Chitosan nanocomposite fibers supported copper nanoparticles based perceptive sensor and active catalyst for nitrophenol in real water. Carbohydrate Polymers, 2019, 207, 650-662.	5.1	40
131	Preparation and characterization of PES-cobalt nanocomposite membranes with enhanced anti-fouling properties and performances. Journal of the Taiwan Institute of Chemical Engineers, 2016, 65, 405-419.	2.7	39
132	Albizia chevalier based Ag nanoparticles: Anti-proliferation, bactericidal and pollutants degradation performance. Journal of Photochemistry and Photobiology B: Biology, 2018, 182, 62-70.	1.7	39
133	Amino Acid-Fabricated Glassy Carbon Electrode for Efficient Simultaneous Sensing of Zinc(II), Cadmium(II), Copper(II), and Mercury(II) Ions. ACS Omega, 2019, 4, 22057-22068.	1.6	39
134	Silver Nanoparticles Embedded in Gelatin Biopolymer Hydrogel as Catalyst for Reductive Degradation of Pollutants. Journal of Polymers and the Environment, 2020, 28, 399-410.	2.4	39
135	Coreâ€shell cobalt oxide mesoporous silica based efficient electro-catalyst for oxygen evolution. New Journal of Chemistry, 2015, 39, 5561-5569.	1.4	38
136	Fabrication and investigation of cellulose acetate-copper oxide nano-composite based humidity sensors. Sensors and Actuators A: Physical, 2016, 246, 58-65.	2.0	38
137	Selective Iron(III) ion uptake using CuO-TiO ₂ nanostructure by inductively coupled plasma-optical emission spectrometry. Chemistry Central Journal, 2012, 6, 158.	2.6	37
138	Metal nanoparticles supported on polyacrylamide water beads as catalyst for efficient generation of H ₂ from NaBH ₄ methanolysis. International Journal of Hydrogen Energy, 2020, 45, 1532-1540.	3.8	37
139	Effect of acrylic acid on the physical properties of UV-cured poly(urethane acrylate-co-acrylic acid) films for metal coating. Progress in Organic Coatings, 2011, 71, 110-116.	1.9	36
140	Low dimensional Ni-ZnO nanoparticles as marker of toxic lead ions for environmental remediation. Journal of Industrial and Engineering Chemistry, 2014, 20, 1071-1078.	2.9	36
141	Fabrication of non-enzymatic sensor using Co doped ZnO nanoparticles as a marker of H ₂ O ₂ . Physica E: Low-Dimensional Systems and Nanostructures, 2014, 62, 21-27.	1.3	36
142	Efficient electrochemical detection and extraction of copper ions using ZnSeâ€CdSe/SiO ₂ coreâ€shell nanomaterial. Journal of Industrial and Engineering Chemistry, 2019, 73, 118-127.	2.9	36
143	Lignocellulosic biomass supported metal nanoparticles for the catalytic reduction of organic pollutants. Environmental Science and Pollution Research, 2020, 27, 823-836.	2.7	36
144	Polymer supported metallic nanoparticles as a solid catalyst for the removal of organic pollutants. Cellulose, 2020, 27, 5907-5921.	2.4	36

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145	Synthesis and Characterization of Silver Nanoparticles-Filled Polyethersulfone Membranes for Antibacterial and Anti-Biofouling Application. <i>Recent Patents on Nanotechnology</i> , 2016, 10, 231-251.	0.7	36
146	Co ₃ O ₄ co-doped TiO ₂ nanoparticles as a selective marker of lead in aqueous solution. <i>New Journal of Chemistry</i> , 2013, 37, 2888.	1.4	35
147	Alumina-coated Ag nanocrystal monolayers as surface-enhanced Raman spectroscopy platforms for the direct spectroscopic detection of water splitting reaction intermediates. <i>Nano Research</i> , 2014, 7, 132-143.	5.8	35
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