

Gaurav Sharma

List of Publications by Year in Descending Order

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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.

132 papers	8,591 citations	59 h-index	90 g-index
136 ext. papers	10,343 ext. citations	6.6 avg, IF	6.9 L-index

#	Paper	IF	Citations
132	Activated Carbon as Superadsorbent and Sustainable Material for Diverse Applications. <i>Adsorption Science and Technology</i> , 2022 , 2022, 1-21	3.6	3
131	Photocatalytic degradation of environmental pollutant using nickel and cerium ions substituted Co _{0.6} Zn _{0.4} Fe ₂ O ₄ nanoferrites. <i>Earth Systems and Environment</i> , 2021 , 5, 399	7.5	10
130	Silicate glass matrix@CuO/CuVO p-n heterojunction for enhanced visible light photo-degradation of sulfamethoxazole: High charge separation and interfacial transfer. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123790	12.8	45
129	In-situ crosslinked hydrogel based on amidated pectin/oxidized chitosan as potential wound dressing for skin repairing. <i>Carbohydrate Polymers</i> , 2021 , 251, 117005	10.3	40
128	Environmental friendly and robust Mg _{0.5} -xCu _x Zn _{0.5} Fe ₂ O ₄ spinel nanoparticles for visible light driven degradation of Carbamazepine: Band shift driven by dopants. <i>Materials Letters</i> , 2021 , 284, 129005	3.3	12
127	Construction of dual Z-scheme g-C ₃ N ₄ /Bi ₄ Ti ₃ O ₁₂ /Bi ₄ O ₅ I ₂ heterojunction for visible and solar powered coupled photocatalytic antibiotic degradation and hydrogen production: Boosting via Pt/Bi ₄ O ₅ I ₂ and Bi ³⁺ /Bi ⁵⁺ redox mediators. <i>Applied Catalysis B: Environmental</i> , 2021 , 284, 119808	21.8	109
126	Recent Advances in Hydrophobic Modification of Nanocellulose. <i>Current Organic Chemistry</i> , 2021 , 25, 417-436	1.7	9
125	Adsorptional-photocatalytic removal of fast sulphon black dye by using chitin-cl-poly(itaconic acid-co-acrylamide)/zirconium tungstate nanocomposite hydrogel. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125714	12.8	43
124	Trimetallic@Cyclodextrin Nanocomposite: Photocatalyst for Degradation of Amoxicillin and Catalyst for Esterification Reactions. <i>Journal of Chemistry</i> , 2021 , 2021, 1-14	2.3	2
123	Emerging novel polymeric adsorbents for removing dyes from wastewater: A comprehensive review and comparison with other adsorbents. <i>Environmental Research</i> , 2021 , 201, 111534	7.9	19
122	Fabrication and Characterization of Xanthan Gum-cl-poly(acrylamide-co-alginate acid) Hydrogel for Adsorption of Cadmium Ions from Aqueous Medium.. <i>Gels</i> , 2021 , 8,	4.2	3
121	LaTiO ₂ N/Bi ₂ S ₃ Z-scheme nano heterostructures modified by rGO with high interfacial contact for rapid photocatalytic degradation of tetracycline. <i>Journal of Molecular Liquids</i> , 2020 , 311, 113300	6	18
120	Visibly Active FeO/ZnO@PANI Magnetic Nano-photocatalyst for the Degradation of 3-Aminophenol. <i>Topics in Catalysis</i> , 2020 , 63, 1302-1313	2.3	6
119	Ag ₀ -Ag ₂ O embedded nanocomposite hydrogel for adsorption-coupled-photocatalytic removal of triclosan. <i>Materials Letters</i> , 2020 , 276, 128169	3.3	15
118	Constructing Z-scheme LaTiO ₂ N/g-C ₃ N ₄ @Fe ₃ O ₄ magnetic nano heterojunctions with promoted charge separation for visible and solar removal of indomethacin. <i>Journal of Water Process Engineering</i> , 2020 , 36, 101391	6.7	19
117	Atrazine removal using chitin-cl-poly(acrylamide-co-itaconic acid) nanohydrogel: Isotherms and pH responsive nature. <i>Carbohydrate Polymers</i> , 2020 , 241, 116258	10.3	47
116	Graft Copolymerization of Acrylonitrile and Ethyl Acrylate onto Pinus Roxburghii Wood Surface Enhanced Physicochemical Properties and Antibacterial Activity. <i>Journal of Chemistry</i> , 2020 , 2020, 1-16	2.3	3

115	Competition between Physical Cross-Linking and Phase Transition Temperature in Blends Based on Poly(N-isopropylacrylamide-co-N-ethylacrylamide) Copolymers and Carboxymethyl Cellulose. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 2000081	2.6	3
114	Carboxymethyl cellulose structured nano-adsorbent for removal of methyl violet from aqueous solution: isotherm and kinetic analyses. <i>Cellulose</i> , 2020 , 27, 3677-3691	5.5	21
113	Rapid visible and solar photocatalytic Cr(VI) reduction and electrochemical sensing of dopamine using solution combustion synthesized ZnO/Fe ₂ O ₃ nano heterojunctions: Mechanism Elucidation. <i>Ceramics International</i> , 2020 , 46, 12255-12268	5.1	49
112	Adsorptive removal of noxious cadmium ions from aqueous medium using activated carbon/zirconium oxide composite: Isotherm and kinetic modelling. <i>Journal of Molecular Liquids</i> , 2020 , 310, 113025	6	113
111	Fabrication and Characterization of Polysorbate/Ironmolybdophosphate Nanocomposite: Ion Exchange Properties and pH-responsive Drug Carrier System for Methylcobalamin. <i>Current Analytical Chemistry</i> , 2020 , 16, 138-148	1.7	0
110	CeO ₂ /g-C ₃ N ₄ /V ₂ O ₅ ternary nano hetero-structures decorated with CQDs for enhanced photo-reduction capabilities under different light sources: Dual Z-scheme mechanism. <i>Journal of Alloys and Compounds</i> , 2020 , 838, 155692	5.7	60
109	Carbon quantum dots and reduced graphene oxide modified self-assembled S@C ₃ N ₄ /B@C ₃ N ₄ metal-free nano-photocatalyst for high performance degradation of chloramphenicol. <i>Journal of Molecular Liquids</i> , 2020 , 300, 112356	6	37
108	Electrospun ferric ceria nanofibers blended with MWCNTs for high-performance electrochemical detection of uric acid. <i>Ceramics International</i> , 2020 , 46, 9050-9064	5.1	11
107	Nickel sulphide nano-composite assisted hole transport in thin film polymer solar cells. <i>Solar Energy</i> , 2020 , 195, 310-317	6.8	18
106	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	3.6	13
105	Designing of bentonite based nanocomposite hydrogel for the adsorptive removal and controlled release of ampicillin. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114166	6	16
104	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	4.6	10
103	Gum Acacia-cl-poly(acrylamide)@carbon nitride Nanocomposite Hydrogel for Adsorption of Ciprofloxacin and its Sustained Release in Artificial Ocular Solution. <i>Macromolecular Materials and Engineering</i> , 2020 , 305, 2000274	3.9	14
102	Fe ₃ O ₄ /ZnO/Si ₃ N ₄ nanocomposite based photocatalyst for the degradation of dyes from aqueous solution. <i>Materials Letters</i> , 2020 , 278, 128359	3.3	81
101	Ag ₂ O/Al ₂ O ₃ /ZrO ₂ Trimetallic Nanocatalyst for High Performance Photodegradation of Nicosulfuron Herbicide. <i>Topics in Catalysis</i> , 2020 , 63, 1272-1285	2.3	0
100	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	4.6	15
99	Bio-inspired and biomaterials-based hybrid photocatalysts for environmental detoxification: A review. <i>Chemical Engineering Journal</i> , 2020 , 382, 122937	14.7	98
98	Graphene oxide supported La/Co/Ni trimetallic nano-scale systems for photocatalytic remediation of 2-chlorophenol. <i>Journal of Molecular Liquids</i> , 2019 , 294, 111605	6	19

97	Photodegradation of toxic dye using Gum Arabic-crosslinked-poly(acrylamide)/Ni(OH) ₂ /FeOOH nanocomposites hydrogel. <i>Journal of Cleaner Production</i> , 2019 , 241, 118263	10.3	223
96	Honeycomb structured activated carbon synthesized from <i>Pinus roxburghii</i> cone as effective bioadsorbent for toxic malachite green dye. <i>Journal of Water Process Engineering</i> , 2019 , 32, 100931	6.7	36
95	Recent advances in nano-Fenton catalytic degradation of emerging pharmaceutical contaminants. <i>Journal of Molecular Liquids</i> , 2019 , 290, 111177	6	63
94	Polyamine-modified magnetic graphene oxide surface: Feasible adsorbent for removal of dyes. <i>Journal of Molecular Liquids</i> , 2019 , 289, 111118	6	36
93	Highly Efficient Polydopamine-coated Poly(methyl methacrylate) Nanofiber Supported Platinum/nickel Bimetallic Catalyst for Formaldehyde Oxidation at Room Temperature. <i>Polymers</i> , 2019 , 11,	4.5	11
92	Fe/La/Zn nanocomposite with graphene oxide for photodegradation of phenylhydrazine. <i>Journal of Molecular Liquids</i> , 2019 , 285, 362-374	6	11
91	Highly efficient Sr/Ce/activated carbon bimetallic nanocomposite for photoinduced degradation of rhodamine B. <i>Catalysis Today</i> , 2019 , 335, 437-451	5.3	102
90	Highly visible active Ag ₂ CrO ₄ /Ag/BiFeO ₃ @RGO nano-junction for photoreduction of CO ₂ and photocatalytic removal of ciprofloxacin and bromate ions: The triggering effect of Ag and RGO. <i>Chemical Engineering Journal</i> , 2019 , 370, 148-165	14.7	79
89	Preparation and Characterization of Gum Acacia/Ce(IV)MoPO ₄ Nanocomposite Ion Exchanger for Photocatalytic Degradation of Methyl Violet Dye. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019 , 29, 1171-1183	3.2	10
88	Solar active nano-Zn _{1-x} Mg _x Fe ₂ O ₄ as a magnetically separable sustainable photocatalyst for degradation of sulfadiazine antibiotic. <i>Journal of Molecular Liquids</i> , 2019 , 294, 111574	6	26
87	Facile Fabrication of Hierarchical rGO/PANI@PtNi Nanocomposite via Microwave-Assisted Treatment for Non-Enzymatic Detection of Hydrogen Peroxide. <i>Nanomaterials</i> , 2019 , 9,	5.4	7
86	Sol-gel synthesis of polyacrylamide-stannic arsenate nanocomposite ion exchanger: binary separations and enhanced photo-catalytic activity. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	0
85	Effect of Cross-Linker in Poly(N-Isopropyl Acrylamide)-Grafted-Gelatin Gels Prepared by Microwave-Assisted Synthesis. <i>ChemistrySelect</i> , 2019 , 4, 10346-10351	1.8	1
84	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	7.9	74
83	Algal biochar reinforced trimetallic nanocomposite as adsorptional/photocatalyst for remediation of malachite green from aqueous medium. <i>Journal of Molecular Liquids</i> , 2019 , 275, 499-509	6	42
82	Solid-state synthesis strategy of hierarchically-structured BiOCl desert-roses for the selective detection of C ₂ H ₅ OH. <i>Journal of Alloys and Compounds</i> , 2019 , 778, 532-541	5.7	14
81	Fabrication of oxidized graphite supported La ₂ O ₃ /ZrO ₂ nanocomposite for the photoremediation of toxic fast green dye. <i>Journal of Molecular Liquids</i> , 2019 , 277, 738-748	6	23
80	Wide spectral degradation of Norfloxacin by Ag@BiPO ₄ /BiOBr/BiFeO ₃ nano-assembly: Elucidating the photocatalytic mechanism under different light sources. <i>Journal of Hazardous Materials</i> , 2019 , 364, 429-440	12.8	142

79	Fabrication and characterization of novel FeO@Guar gum-crosslinked-soya lecithin nanocomposite hydrogel for photocatalytic degradation of methyl violet dye. <i>Separation and Purification Technology</i> , 2019 , 211, 895-908	8.3	106
78	Carbon nitride, metal nitrides, phosphides, chalcogenides, perovskites and carbides nanophotocatalysts for environmental applications. <i>Environmental Chemistry Letters</i> , 2019 , 17, 655-682	13.3	32
77	Novel development of nanoparticles to bimetallic nanoparticles and their composites: A review. <i>Journal of King Saud University - Science</i> , 2019 , 31, 257-269	3.6	275
76	Aerogels and metal-organic frameworks for environmental remediation and energy production. <i>Environmental Chemistry Letters</i> , 2018 , 16, 797-820	13.3	44
75	Impact of heavy metals and nanoparticles on aquatic biota. <i>Environmental Chemistry Letters</i> , 2018 , 16, 919-946	13.3	74
74	Biochar-templated g-C ₃ N ₄ /Bi ₂ O ₂ CO ₃ /CoFe ₂ O ₄ nano-assembly for visible and solar assisted photo-degradation of paraquat, nitrophenol reduction and CO ₂ conversion. <i>Chemical Engineering Journal</i> , 2018 , 339, 393-410	14.7	180
73	Tin (IV) phosphate/poly(gelatin-cl-alginate) nanocomposite: Photocatalysis and fabrication of potentiometric sensor for Pb (II). <i>Materials Today Communications</i> , 2018 , 14, 282-293	2.5	8
72	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	7.9	76
71	ZnO:CNT assisted charge transport in PTB7:PCBM blend organic solar cell. <i>Journal of Alloys and Compounds</i> , 2018 , 748, 216-222	5.7	42
70	Fabrication and characterization of trimetallic nano-photocatalyst for remediation of ampicillin antibiotic. <i>Journal of Molecular Liquids</i> , 2018 , 260, 342-350	6	99
69	Remediation of anionic dye from aqueous system using bio-adsorbent prepared by microwave activation. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 917-930	2.6	30
68	Quaternary magnetic BiOCl/g-C ₃ N ₄ /Cu ₂ O/Fe ₃ O ₄ nano-junction for visible light and solar powered degradation of sulfamethoxazole from aqueous environment. <i>Chemical Engineering Journal</i> , 2018 , 334, 462-478	14.7	238
67	Applications of nanocomposite hydrogels for biomedical engineering and environmental protection. <i>Environmental Chemistry Letters</i> , 2018 , 16, 113-146	13.3	123
66	Sodium Dodecyl Sulphate-Supported Nanocomposite as Drug Carrier System for Controlled Delivery of Ondansetron. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	11
65	Guar gum and its composites as potential materials for diverse applications: A review. <i>Carbohydrate Polymers</i> , 2018 , 199, 534-545	10.3	160
64	Perovskites photovoltaic solar cells: An overview of current status. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 91, 1025-1044	16.2	95
63	Synthesis, Characterization and Environmental Applications of a New Bio-Composite Gelatin-Zr(IV) Phosphate. <i>Journal of Polymers and the Environment</i> , 2018 , 26, 1415-1424	4.5	13
62	Utilizing recycled LiFePO ₄ from batteries in combination with B@CN and CuFeO as sustainable nano-junctions for high performance degradation of atenolol. <i>Chemosphere</i> , 2018 , 209, 457-469	8.4	22

61	Photoremediation of toxic dye from aqueous environment using monometallic and bimetallic quantum dots based nanocomposites. <i>Journal of Cleaner Production</i> , 2018 , 172, 2919-2930	10.3	117
60	Efficient removal of toxic phosphate anions from aqueous environment using pectin based quaternary amino anion exchanger. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 1-10	7.9	95
59	Facile fabrication of Zr ₂ NiCu ₇ trimetallic nano-alloy and its composite with Si ₃ N ₄ for visible light assisted photodegradation of methylene blue. <i>Journal of Molecular Liquids</i> , 2018 , 272, 170-179	6	42
58	High-Performance Photocatalytic Hydrogen Production and Degradation of Levofloxacin by Wide Spectrum-Responsive Ag/FeO Bridged SrTiO ₃ /g-CN Plasmonic Nanojunctions: Joint Effect of Ag and FeO. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 40474-40490	9.5	101
57	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	10.3	124
56	Facile hetero-assembly of superparamagnetic Fe ₃ O ₄ /BiVO ₄ stacked on biochar for solar photo-degradation of methyl paraben and pesticide removal from soil. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 337, 118-131	4.7	135
55	Niosome-based hydrogel of resveratrol for topical applications: An effective therapy for pain related disorder(s). <i>Biomedicine and Pharmacotherapy</i> , 2017 , 88, 480-487	7.5	46
54	Fabrication and characterization of sodium dodecyl sulphate@ironsilicophosphate nanocomposite: Ion exchange properties and selectivity for binary metal ions. <i>Materials Chemistry and Physics</i> , 2017 , 193, 129-139	4.4	71
53	Efficient removal of coomassie brilliant blue R-250 dye using starch/poly(alginic acid-cl-acrylamide) nanohydrogel. <i>Chemical Engineering Research and Design</i> , 2017 , 109, 301-310	5.5	152
52	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	6	82
51	Characterization of keratin microparticles from feather biomass with potent antioxidant and anticancer activities. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 189-196	7.9	52
50	Fabrication and characterization of a nanocomposite hydrogel for combined photocatalytic degradation of a mixture of malachite green and fast green dye. <i>Nanotechnology for Environmental Engineering</i> , 2017 , 2, 1	5.1	49
49	Sustainable nano-hybrids of magnetic biochar supported g-C ₃ N ₄ /FeVO ₄ for solar powered degradation of noxious pollutants- Synergism of adsorption, photocatalysis & photo-ozonation. <i>Journal of Cleaner Production</i> , 2017 , 165, 431-451	10.3	176
48	Nano Fe ₃ Zn ₁ O as a tuneable and efficient photocatalyst for solar powered degradation of bisphenol A from aqueous environment. <i>Journal of Cleaner Production</i> , 2017 , 165, 1542-1556	10.3	125
47	Solar-driven photodegradation of 17- β -Estradiol and ciprofloxacin from waste water and CO ₂ conversion using sustainable coal-char/polymeric-g-C ₃ N ₄ /RGO metal-free nano-hybrids. <i>New Journal of Chemistry</i> , 2017 , 41, 10208-10224	3.6	72
46	Pectin-crosslinked -guar gum/SPION nanocomposite hydrogel for adsorption of m-cresol and o-chlorophenol. <i>Sustainable Chemistry and Pharmacy</i> , 2017 , 6, 96-106	3.9	55
45	Microwave assisted fabrication of La/Cu/Zr/carbon dots trimetallic nanocomposites with their adsorptional vs photocatalytic efficiency for remediation of persistent organic pollutants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 347, 235-243	4.7	81
44	Synthesis of polyaniline based composite material and its analytical applications for the removal of highly toxic Hg ²⁺ metal ion: Antibacterial activity against E. coli. <i>Korean Journal of Chemical Engineering</i> , 2017 , 34, 1970-1979	2.8	21

43	ZnSe-WO nano-hetero-assembly stacked on Gum ghatti for photo-degradative removal of Bisphenol A: Symbiose of adsorption and photocatalysis. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1172-1184	7.9	85
42	Revolution from monometallic to trimetallic nanoparticle composites, various synthesis methods and their applications: A review. <i>Materials Science and Engineering C</i> , 2017 , 71, 1216-1230	8.3	142
41	Fabrication and characterization of chitosan-crosslinked-poly(alginic acid) nanohydrogel for adsorptive removal of Cr(VI) metal ion from aqueous medium. <i>International Journal of Biological Macromolecules</i> , 2017 , 95, 484-493	7.9	184
40	Adsorption kinetics, isotherms, and thermodynamic studies for Hg ²⁺ adsorption from aqueous medium using alizarin red-S-loaded amberlite IRA-400 resin. <i>Desalination and Water Treatment</i> , 2016 , 57, 18551-18559		168
39	A multifunctional nanocomposite pectin thorium(IV) tungstomolybdate for heavy metal separation and photoremediation of malachite green. <i>Desalination and Water Treatment</i> , 2016 , 57, 19443-19455		39
38	Polyacrylamide@Zr(IV) vanadophosphate nanocomposite: Ion exchange properties, antibacterial activity, and photocatalytic behavior. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 33, 201-208	6.3	87
37	Turmeric/polyvinyl alcohol Th(IV) phosphate electrospun fibers: Synthesis, characterization and antimicrobial studies. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 68, 407-414	5.3	20
36	Photocatalytic degradation of highly toxic dyes using chitosan-g-poly(acrylamide)/ZnS in presence of solar irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016 , 329, 61-68	4.7	147
35	Magnetically recoverable ZrO ₂ /Fe ₃ O ₄ /chitosan nanomaterials for enhanced sunlight driven photoreduction of carcinogenic Cr(VI) and dechlorination & mineralization of 4-chlorophenol from simulated waste water. <i>RSC Advances</i> , 2016 , 6, 13251-13263	3.7	105
34	Preparation of a novel chitosan-g-poly(acrylamide)/Zn nanocomposite hydrogel and its applications for controlled drug delivery of ofloxacin. <i>International Journal of Biological Macromolecules</i> , 2016 , 84, 340-8	7.9	83
33	Fabrication, Characterization and Cytotoxicity of Guar Gum/Copper Oxide Nanocomposite: Efficient Removal of Organic Pollutant. <i>Materials Science Forum</i> , 2016 , 842, 88-102	0.4	12
32	Novel guar gum/Al ₂ O ₃ nanocomposite as an effective photocatalyst for the degradation of malachite green dye. <i>International Journal of Biological Macromolecules</i> , 2016 , 87, 366-74	7.9	100
31	Fabrication of MWCNTs/ThO ₂ nanocomposite and its adsorption behavior for the removal of Pb(II) metal from aqueous medium. <i>Desalination and Water Treatment</i> , 2016 , 57, 21863-21869		139
30	ESTIMATION OF ARSENIC(III) IN ORGANIC ARSINES AND ITS COMPLEXES USING POTASSIUM BROMATE AND POTASSIUM IODATE AS OXIDANTS. <i>Journal of the Chilean Chemical Society</i> , 2016 , 61, 2940-2948	2.5	2
29	Fabrication and characterization of Fe@MoPO nanoparticles: Ion exchange behavior and photocatalytic activity against malachite green. <i>Journal of Molecular Liquids</i> , 2016 , 219, 1137-1143	6	76
28	Synthesis and characterization of a new starch/SnO ₂ nanocomposite for efficient adsorption of toxic Hg ²⁺ metal ion. <i>Chemical Engineering Journal</i> , 2016 , 300, 306-316	14.7	274
27	Exclusion of Organic Dye Using Neoteric Activated Carbon Prepared from Cornulaca monacantha Stem: Equilibrium and Thermodynamics Studies. <i>Materials Science Forum</i> , 2016 , 875, 1-15	0.4	16
26	Synthesis, characterization and analytical application of cellulose acetate-tin (IV) molybdate nanocomposite ion exchanger: binary separation of heavy metal ions and antimicrobial activity. <i>Ionics</i> , 2015 , 21, 2069-2078	2.7	29

25	Preparation, characterization, and ion exchange behavior of nanocomposite polyaniline zirconium(IV) selenotungstophosphate for the separation of toxic metal ions. <i>Ionics</i> , 2015 , 21, 1045-1055	2.7	53
24	A cellulose acetate based nanocomposite for photocatalytic degradation of methylene blue dye under solar light. <i>Ionics</i> , 2015 , 21, 1787-1793	2.7	61
23	Electrochemical synthesized copper oxide nanoparticles for enhanced photocatalytic and antimicrobial activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 31, 173-184	6.3	175
22	Combined sorptional-photocatalytic remediation of dyes by polyaniline Zr(IV) selenotungstophosphate nanocomposite. <i>Toxicological and Environmental Chemistry</i> , 2015 , 97, 526-537	1.4	61
21	Kinetics, isotherm and thermodynamic investigations for the adsorption of Co(II) ion onto crystal violet modified amberlite IR-120 resin. <i>Ionics</i> , 2015 , 21, 1453-1459	2.7	73
20	Lanthanum/Cadmium/Polyaniline bimetallic nanocomposite for the photodegradation of organic pollutant. <i>Iranian Polymer Journal (English Edition)</i> , 2015 , 24, 1003-1013	2.3	62
19	Nanocomposite pectin Zr(IV) selenotungstophosphate for adsorptional/photocatalytic remediation of methylene blue and malachite green dyes from aqueous system. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 957-964	6.3	61
18	Modification of Hibiscus cannabinus fiber by graft copolymerization: application for dye removal. <i>Desalination and Water Treatment</i> , 2015 , 54, 3114-3121		118
17	SPION/ β -cyclodextrin core-shell nanostructures for oil spill remediation and organic pollutant removal from waste water. <i>Chemical Engineering Journal</i> , 2015 , 280, 175-187	14.7	114
16	Pectin @ zirconium (IV) silicophosphate nanocomposite ion exchanger: Photo catalysis, heavy metal separation and antibacterial activity. <i>Chemical Engineering Journal</i> , 2015 , 267, 235-244	14.7	93
15	Liquid phase synthesis of pectin-cadmium sulfide nanocomposite and its photocatalytic and antibacterial activity. <i>Journal of Molecular Liquids</i> , 2014 , 196, 107-112	6	59
14	Synthesis, characterization and antibacterial activity of cellulose acetate-tin (IV) phosphate nanocomposite. <i>Carbohydrate Polymers</i> , 2014 , 103, 221-7	10.3	54
13	Solar photocatalytic activity of nano-ZnO supported on activated carbon or brick grain particles: Role of adsorption in dye degradation. <i>Applied Catalysis A: General</i> , 2014 , 486, 159-169	5.1	131
12	Polyacrylamide/Ni _{0.02} Zn _{0.98} O Nanocomposite with High Solar Light Photocatalytic Activity and Efficient Adsorption Capacity for Toxic Dye Removal. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 15549-15560	3.9	96
11	Polyaniline zirconium (IV) silicophosphate nanocomposite for remediation of methylene blue dye from waste water. <i>Journal of Molecular Liquids</i> , 2014 , 190, 139-145	6	86
10	Fabrication of nanocomposite polyaniline zirconium(IV) silicophosphate for photocatalytic and antimicrobial activity. <i>Journal of Alloys and Compounds</i> , 2014 , 588, 668-675	5.7	55
9	Microwave induced synthesis of graft copolymer of binary vinyl monomer mixtures onto delignified Grewia optiva fiber: application in dye removal. <i>Frontiers in Chemistry</i> , 2014 , 2, 59	5	8
8	A biopolymer-based hybrid cation exchanger pectin cerium(IV) iodate: synthesis, characterization, and analytical applications. <i>Desalination and Water Treatment</i> , 2014 , 1-8		10

7	Synthesis and characterization of a new nanocomposite cation exchanger polyacrylamide Ce(IV) silicophosphate: Photocatalytic and antimicrobial applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 3596-3603	6.3	56
6	Fabrication, characterization and antimicrobial activity of polyaniline Th(IV) tungstomolybdophosphate nanocomposite material: Efficient removal of toxic metal ions from water. <i>Chemical Engineering Journal</i> , 2014 , 251, 413-421	14.7	178
5	Preparation, characterization and antimicrobial activity of biopolymer based nanocomposite ion exchanger pectin zirconium(IV) selenotungstophosphate: Application for removal of toxic metals. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 4482-4490	6.3	51
4	Use of pectin-thorium (IV) tungstomolybdate nanocomposite for photocatalytic degradation of methylene blue. <i>Carbohydrate Polymers</i> , 2013 , 96, 277-83	10.3	83
3	Preparation and characterization of pH-responsive guar gum microspheres. <i>International Journal of Biological Macromolecules</i> , 2013 , 62, 636-41	7.9	29
2	Metallic and bimetallic phosphides-based nanomaterials for photocatalytic hydrogen production and water detoxification: a review. <i>Environmental Chemistry Letters</i> , 1	13.3	2
1	Environmental Pollution Remediation via Photocatalytic Degradation of Sulfamethoxazole from Waste Water Using Sustainable Ag ₂ S/Bi ₂ S ₃ /g-C ₃ N ₄ Nano-Hybrids. <i>Earth Systems and Environment</i> , 1	7.5	4