

Dinesh Kumar

List of Publications by Citations

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143
papers

2,168
citations

28
h-index

40
g-index

147
ext. papers

2,868
ext. citations

3.6
avg, IF

6.14
L-index

#	Paper	IF	Citations
143	Nanoparticles and core-shell nanocomposite based new generation water remediation materials and analytical techniques: A review. <i>Microchemical Journal</i> , 2014 , 116, 62-76	4.8	94
142	Adsorptive removal of fluoride from water samples using Zr/Mn composite material. <i>Microchemical Journal</i> , 2013 , 111, 116-124	4.8	86
141	Water desalination and challenges: The Middle East perspective: a review. <i>Desalination and Water Treatment</i> , 2013 , 51, 2030-2040		79
140	Adsorptive removal of fluoride from aqueous media using Citrus limonum (lemon) leaf. <i>Microchemical Journal</i> , 2014 , 112, 97-103	4.8	75
139	A critical study on efficiency of different materials for fluoride removal from aqueous media. <i>Chemistry Central Journal</i> , 2013 , 7, 51		74
138	Analytical methods for determination and sensing of fluoride in biotic and abiotic sources: a review. <i>Analytical Methods</i> , 2016 , 8, 5338-5352	3.2	67
137	Development of a nanoporous adsorbent for the removal of health-hazardous fluoride ions from aqueous systems. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4215-4228	13	65
136	Adsorption Equilibrium, Kinetics, and Thermodynamic Studies of Fluoride Adsorbed by Tetrametallic Oxide Adsorbent. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 1682-1697	2.8	60
135	Recent progress in g-CN, TiO and ZnO based photocatalysts for dye degradation: Strategies to improve photocatalytic activity. <i>Science of the Total Environment</i> , 2021 , 767, 144896	10.2	57
134	Plasmonic nanoparticles and their analytical applications: A review. <i>Applied Spectroscopy Reviews</i> , 2017 , 52, 774-820	4.5	53
133	Removal of hexavalent chromium from water using Fe-grown carbon nanofibers containing porous carbon microbeads. <i>Journal of Water Process Engineering</i> , 2014 , 3, 34-45	6.7	52
132	Trace colorimetric detection of Pb ²⁺ using plasmonic gold nanoparticles and silica-gold nanocomposites. <i>Microchemical Journal</i> , 2016 , 124, 104-110	4.8	48
131	Excellent fluoride decontamination and antibacterial efficacy of Fe-Ca-Zr hybrid metal oxide nanomaterial. <i>Journal of Colloid and Interface Science</i> , 2015 , 457, 289-97	9.3	47
130	Synthesis and Characterization of Carbon Quantum Dots from Orange Juice. <i>Journal of Bionanoscience</i> , 2014 , 8, 274-279		43
129	A new way in nanosensors: Gold nanorods for sensing of Fe(III) ions in aqueous media. <i>Microchemical Journal</i> , 2014 , 113, 77-82	4.8	42
128	Mentha-Stabilized Silver Nanoparticles for High-Performance Colorimetric Detection of Al(III) in Aqueous Systems. <i>Scientific Reports</i> , 2018 , 8, 5189	4.9	40
127	In vitro anticancer activities of Schiff base and its lanthanum complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 155, 146-54	4.4	40

126	Comparative kinetics and thermodynamic studies of fluoride adsorption by two novel synthesized biopolymer composites. <i>Carbohydrate Polymers</i> , 2019 , 203, 430-440	10.3	39
125	Biopolymer scaffold of pectin and alginate for the application of health hazardous fluoride removal studies by equilibrium adsorption, kinetics and thermodynamics. <i>Journal of Molecular Liquids</i> , 2019 , 284, 203-214	6	36
124	Metal organic frameworks as electrocatalysts: Hydrogen evolution reactions and overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 10216-10238	6.7	36
123	Microfluidic Synthesis of Nanoparticles and their Biosensing Applications. <i>Critical Reviews in Analytical Chemistry</i> , 2016 , 46, 538-61	5.2	36
122	Plasmonic detection of Cd ²⁺ ions using surface-enhanced Raman scattering active core-shell nanocomposite. <i>Talanta</i> , 2015 , 134, 568-575	6.2	34
121	Nickel nanoparticles-doped rhodamine grafted carbon nanofibers as colorimetric probe: Naked eye detection and highly sensitive measurement of aqueous Cr ³⁺ and Pb ²⁺ . <i>Korean Journal of Chemical Engineering</i> , 2019 , 36, 126-135	2.8	33
120	Recent advances and spectroscopic perspectives in fluoride removal. <i>Applied Spectroscopy Reviews</i> , 2017 , 52, 175-230	4.5	31
119	Enhanced fluoride removal performance by CeZn binary metal oxide: Adsorption characteristics and mechanism. <i>Journal of Fluorine Chemistry</i> , 2017 , 199, 67-76	2.1	30
118	Highly selective visual monitoring of hazardous fluoride ion in aqueous media using thiobarbituric-capped gold nanoparticles. <i>Talanta</i> , 2015 , 132, 278-84	6.2	30
117	Carbon Bead-Supported Ethylene Diamine-Functionalized Carbon Nanofibers: An Efficient Adsorbent for Salicylic Acid. <i>Clean - Soil, Air, Water</i> , 2016 , 44, 1461-1470	1.6	29
116	Excellent disinfection and fluoride removal using bifunctional nanocomposite. <i>Chemical Engineering Journal</i> , 2018 , 337, 193-200	14.7	29
115	Graphene-based electrocatalysts: Hydrogen evolution reactions and overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 21401-21418	6.7	26
114	Cubical-Shaped Rods of Pectin-Hydroxyapatite Composite for Adsorption Studies of Fluoride by Statistical Method and Adsorption Experiments. <i>ACS Omega</i> , 2018 , 3, 9675-9688	3.9	24
113	Synthesis and luminescent properties of Tb ³⁺ doped BaLa ₂ ZnO ₅ nanoparticles. <i>Materials Research Bulletin</i> , 2018 , 99, 86-92	5.1	22
112	Dual adsorption behaviour of fluoride from drinking water on Ca-Zn(OH) ₂ CO ₃ adsorbent. <i>Surfaces and Interfaces</i> , 2017 , 6, 154-161	4.1	21
111	Label-Free Colorimetric Nanosensor for the Selective On-Site Detection of Aqueous Al ³⁺ . <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 4552-4562	8.3	20
110	Metal organic frameworks as water harvester from air: Hydrolytic stability and adsorption isotherms. <i>Inorganic Chemistry Communication</i> , 2020 , 122, 108279	3.1	20
109	Coordination metal complexes with Schiff bases: Useful pharmacophores with comprehensive biological applications. <i>Inorganic Chemistry Communication</i> , 2021 , 130, 108710	3.1	20

108	Freeze-dried synthesized bifunctional biopolymer nanocomposite for efficient fluoride removal and antibacterial activity. <i>Journal of Environmental Sciences</i> , 2020 , 94, 52-63	6.4	19
107	Biomaterial functionalized cerium nanocomposite for removal of fluoride using central composite design optimization study. <i>Environmental Pollution</i> , 2020 , 258, 113773	9.3	19
106	Kinetics and Adsorption Studies of Mercury and Lead by Ceria Nanoparticles Entrapped in Tamarind Powder. <i>ACS Omega</i> , 2018 , 3, 14606-14619	3.9	19
105	Microwave assisted synthesis and characterization of graphene nanoplatelets. <i>Applied Nanoscience (Switzerland)</i> , 2016 , 6, 97-103	3.3	18
104	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	7.8	18
103	Dielectric properties of Ba _{1-x} Sr _x ZrO ₃ (0 ≤ x ≤ 1) nanoceramics developed by citrate precursor route. <i>Journal of Materials Research</i> , 2013 , 28, 1070-1077	2.5	17
102	Label-free colorimetric detection of Cr(VI) in aqueous systems based on flower shaped silver nanoparticles. <i>Polyhedron</i> , 2016 , 120, 142-149	2.7	17
101	Nanocomposite for the detoxification of drinking water: effective and efficient removal of fluoride and bactericidal activity. <i>New Journal of Chemistry</i> , 2015 , 39, 9143-9154	3.6	16
100	Microwave-assisted synthesis and characterization of silver nanowires by polyol process. <i>Applied Nanoscience (Switzerland)</i> , 2015 , 5, 881-890	3.3	16
99	Cadmium and tin complexes of Schiff-base ligands. <i>Journal of Coordination Chemistry</i> , 2011 , 64, 2130-2156		16
98	Synthesis, characterization and antimicrobial activity of Schiff base Ce(III) complexes. <i>Polyhedron</i> , 2016 , 120, 60-68	2.7	16
97	Recent advances in visible-light-driven carbon dioxide reduction by metal-organic frameworks. <i>Science of the Total Environment</i> , 2021 , 762, 144101	10.2	16
96	Trimetallic oxide entrapped in alginate polymeric matrix employed for adsorption studies of fluoride. <i>Surfaces and Interfaces</i> , 2018 , 13, 112-132	4.1	16
95	Analytical methods for sensing of health-hazardous arsenic from biotic and abiotic natural resources. <i>Analytical Methods</i> , 2015 , 7, 10088-10108	3.2	15
94	Microwave assisted synthesis, characterization and biocidal activities of some new chelates of carbazole derived Schiff bases of cadmium and tin metals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 132, 733-42	4.4	15
93	Agcore@shell bimetallic nanocomposites: Gold shell thickness dependent study for SERS enhancement. <i>Microchemical Journal</i> , 2016 , 124, 819-823	4.8	14
92	Adsorptive removal studies of fluoride in aqueous system by bimetallic oxide incorporated in cellulose. <i>Chemical Engineering Research and Design</i> , 2019 , 127, 211-225	5.5	13
91	Mixed transition and rare earth ion doped borate glass: structural, optical and thermoluminescence study. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 677-686	2.1	13

90	Fluoride adsorption on a cubical ceria nanoadsorbent: function of surface properties. <i>RSC Advances</i> , 2016 , 6, 89198-89209	3.7	12
89	Syntheses, spectral characterization, and antimicrobial studies on the coordination compounds of metal ions with schiff base containing both aliphatic and aromatic hydrazide moieties. <i>Bioinorganic Chemistry and Applications</i> , 2013 , 2013, 981764	4.2	12
88	Synthesis, Structural and Optical Characterization of Graphene Oxide and Reduced Graphene Oxide. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2014 , 9, 458-467	1.3	12
87	pH-controlled sensitive and selective detection of Cr(III) and Mn(II) by using clove (<i>S. aromaticum</i>) reduced and stabilized silver nanospheres. <i>Analytical Methods</i> , 2016 , 8, 1359-1366	3.2	11
86	Multifunctional Nanomaterials for Multifaceted Applications in Biomedical Arena. <i>International Journal of Pharmacology</i> , 2017 , 13, 890-906	0.7	11
85	Tetragonal prism shaped Ni-Al bimetallic adsorbent for study of adsorptive removal of fluoride and role of ion-exchange. <i>Applied Surface Science</i> , 2019 , 498, 143785	6.7	10
84	An economic, simple and convenient synthesis of 2-aryl/heteroaryl/styryl/alkylbenzothiazoles using SiO ₂ •HNO ₃ . <i>Research on Chemical Intermediates</i> , 2015 , 41, 4283-4292	2.8	9
83	Recent progress on electrochemical sensing strategies as comprehensive point-care method. <i>Monatshefte für Chemie</i> , 2021 , 152, 1-18	1.4	9
82	Reverse micellar synthesis, structural characterization and dielectric properties of Sr-doped BaZrO ₃ nanoparticles. <i>Materials Chemistry and Physics</i> , 2017 , 185, 31-38	4.4	8
81	Syntheses, spectroscopic, and magnetic properties of polystyrene-anchored coordination compounds of tridentate ONO donor Schiff base. <i>Journal of Coordination Chemistry</i> , 2011 , 64, 590-599	1.6	8
80	Experimental and theoretical studies of Mn(II) and Co(II) metal complexes of a tridentate Schiff's base ligand and their biological activities. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5371	3.1	8
79	Thermoluminescence, structural and optical properties of Ce ³⁺ doped borosilicate doped glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 18381-18396	2.1	8
78	Cost-effective synthesis of bifunctional silver nanoparticles for simultaneous colorimetric detection of Al(III) and disinfection. <i>Sensors and Actuators B: Chemical</i> , 2018 , 272, 79-90	8.5	8
77	Microemulsion synthesis, structural characterization and dielectric properties of Ba _{1-x} Pb _x ZrO ₃ (0.05 ≤ x ≤ 0.20) nanoparticles. <i>Materials Research Bulletin</i> , 2017 , 89, 185-192	5.1	7
76	Hydrothermally Shape-Controlled Synthesis of TiO ₂ /Graphene for Fluoride Adsorption Studies. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 5373-5384	2.8	7
75	Investigation of optical properties of pristine and functionalized single-walled carbon nanotubes. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 2117-2126	2.1	7
74	Biological Applications of Co(II) and Ni(II) Complexes of Semicarbazones and Thiosemicarbazones. <i>Asian Journal of Chemistry</i> , 2019 , 31, 1-8	0.4	7
73	Chitosan-Based Membranes for Wastewater Desalination and Heavy Metal Detoxification 2019 , 799-814		7

72	Development of promising surface enhanced Raman scattering substrate: Freckled SiO ₂ @Au nanocomposites. <i>Microchemical Journal</i> , 2015 , 122, 45-49	4.8	6
71	Nanotechnology for a sustainable future 2020 , 465-492		6
70	Biodegradable polymer-based nanoadsorbents for environmental remediation 2018 , 261-278		6
69	Phonon dispersions in graphene sheet and single-walled carbon nanotubes 2013 , 81, 1021-1035		6
68	Elastic Moduli of Carbon Nanohorns. <i>Journal of Nanomaterials</i> , 2011 , 2011, 1-6	3.2	6
67	Synthesis and Characterization of Pristine and Functionalized Graphene Nanoplatelets. <i>Advanced Science, Engineering and Medicine</i> , 2014 , 6, 1143-1151	0.6	6
66	Prospects of Biologically Active Schiff's Base Ligand and Metal Complexes in Drug Discovery. <i>Advanced Science, Engineering and Medicine</i> , 2019 , 11, 144-154	0.6	6
65	Improved Designs of Multifunctional Covalent-Organic Frameworks: Hydrogen Storage, Methane Storage and Water Harvesting. <i>Mini-Reviews in Organic Chemistry</i> , 2020 , 17,	1.7	6
64	Antibacterial Screening of Nitrogen and Sulphur Donor Atom Containing Methylcarbamothiosemicarbazone and Its Mn(II) and Co(II) Complexes: Synthesis, Spectroscopic Approach, Molecular Modeling 2019 , 43, 477-487		5
63	Syntheses, Magnetic and Spectral Studies on the Coordination Compounds of the Polystyrene-anchored Thiazolidin-4-one. <i>E-Journal of Chemistry</i> , 2012 , 9, 2532-2539		5
62	Magnetically active iron oxide nanoparticles for catalysis of organic transformations: A review. <i>Tetrahedron</i> , 2022 , 106-107, 132641	2.4	5
61	Metal Organic Precursor Route for Pb-Substituted BaZrO ₃ Nanoceramics: Structural Characterization and Properties. <i>Advanced Science Letters</i> , 2014 , 20, 1354-1359	0.1	5
60	TiO ₂ and SiO ₂ encapsulated metal nanoparticles: Synthetic strategies, properties, and photocatalytic applications. <i>Inorganic Chemistry Communication</i> , 2021 , 128, 108602	3.1	5
59	Synthesis and characterization of thorium (IV) complexes of 2-aminothiazole and their evaluation as effective antimicrobial and antioxidant agents. <i>Polyhedron</i> , 2016 , 120, 196-204	2.7	5
58	Synthesis and Spectroscopic Study of Biologically Active Tridentate Schiff's Base Ligand 2-Acetyl-5-methyl-furanthiosemicarbazone and its Mn(II), Co(II), Ni(II), and Cu(II) Complexes 2018 , 42, 557-565		4
57	Highly Responsive Bioinspired AgNPs Probe for the Precise Colorimetric Detection of the Mn(II) in Aqueous Systems. <i>Plasmonics</i> , 2019 , 14, 303-311	2.4	4
56	Photochemical Transformations of Some 2-(5-Methylthiophen-2-yl)-3-[(naphthalen-2-yl)methoxy]-4H-chromen-4-ones Involving Type-II Process. <i>Chinese Journal of Chemistry</i> , 2011 , 29, 745-750	4.9	4
55	Enzyme immobilized nanomaterials as electrochemical biosensors for detection of biomolecules.. <i>Enzyme and Microbial Technology</i> , 2022 , 156, 110006	3.8	4

54	Synthesis, Spectroscopic Studies, Biological Screening and Geometrical Optimization of Bidentate Schiff's Base Ligand and their Mn(II) and Co(II) Complexes. <i>Asian Journal of Chemistry</i> , 2018 , 30, 1664-1670	0.4	4
53	A blue to green tunable Ba ₃ GdP ₃ O ₁₂ :Tb ³⁺ nanophosphor: structural and opto-electronic analysis. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 3750-3758	2.1	4
52	Adsorption of Cr(III) and Cu(II) on Hydrothermally Synthesized Graphene Oxide-Calcium-Zinc Nanocomposite. <i>Journal of Chemical & Engineering Data</i> , 2018 ,	2.8	4
51	Biogenic AgNPs for the non-cross-linking detection of aluminum in aqueous systems. <i>Journal of King Saud University - Science</i> , 2021 , 33, 101527	3.6	4
50	Current progress in polymeric graphitic carbon nitride-based photocatalysts for dye degradation. <i>Inorganic Chemistry Communication</i> , 2021 , 131, 108786	3.1	4
49	Synthesis and optical characterization of pure and cobalt doped gallium nitride nanocrystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 6068-6074	2.1	3
48	Synthesis and characterization of terbium doped gallium nitride nanocrystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 8065-8077	2.1	3
47	Self-assembled lipase nanosphere templated one-pot biogenic synthesis of silica hollow spheres in ionic liquid [Bmim][PF ₆]. <i>RSC Advances</i> , 2015 , 5, 105800-105809	3.7	3
46	Synthesis, spectral and extended spectrum beta-lactamase studies of transition metal tetraaza macrocyclic complexes. <i>Journal of Biological Inorganic Chemistry</i> , 2017 , 22, 535-543	3.7	3
45	Physico-Chemical Studies on the Coordination Compounds of Thiazolidin-4-One. <i>Journal of Chemistry</i> , 2013 , 2013, 1-7	2.3	3
44	Syntheses and Characterization of the Coordination Compounds of N-(2-hydroxymethylphenyl)-C-(3-carboxy-2-hydroxyphenyl)thiazolidin-4-one. <i>International Journal of Inorganic Chemistry</i> , 2013 , 2013, 1-6		3
43	Effect of Er ³⁺ on NaSrB glass: thermoluminescence and structural analysis. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	3
42	Simultaneous detection of aqueous aluminum(III) and chromium(III) using reduced and capped silver nanoparticles. <i>International Journal of Phytoremediation</i> , 2021 , 1-14	3.9	3
41	Investigation of Optical and Magnetic Properties of Synthesized Sn _{1-x} Mn _x O ₂ Nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 3135-3145	1.3	2
40	Fabrication of aluminium and iron impregnated pectin biopolymeric material for effective utilization of fluoride adsorption studies. <i>Groundwater for Sustainable Development</i> , 2019 , 9, 100233	6	2
39	Selective Interactions of Al(III) with Plasmonic AgNPs by Colorimetric, Kinetic, and Thermodynamic Studies. <i>ACS Omega</i> , 2019 , 4, 3635-3645	3.9	2
38	Rod-shaped Ca-Zn@Chitin composite for fluoride removal studies by adsorption and statistical experiments. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2019 , 12, 100264	3.3	2
37	Role of Advanced Materials as Nanosensors in Water Treatment 2014 , 315-343		2

36	Structure and Strength of Carbon Nanohorns 2011 ,		2
35	Synthesis, magnetic and spectral studies on polystyrene-anchored coordination complexes of bi-, tri-, tetra- and hexavalent metal ions with unsymmetrical dibasic tetradentate ONNO donor Schiff base derived from 3-formylsalicylic acid, ethylenediamine and 2-benzoylacetylacetone. <i>Journal of Chemical Sciences</i> , 2009 , 121, 57-64	1.8	2
34	CNT Reinforced Silver Nanocomposites: Mechanical and Electrical Studies. <i>Journal of Materials</i> , 2016 , 2016, 1-6		2
33	New Generation Nano-Based Adsorbents for Water Purification 2019 , 783-798		2
32	Aluminum functionalized silver nanoparticles for the colorimetric detection of aqueous Al(III). <i>Materials Chemistry and Physics</i> , 2020 , 239, 122318	4.4	2
31	Synthesis and spectral studies of lanthanide metal tetraaza macrocyclic complexes. <i>Materials Today: Proceedings</i> , 2021 , 42, 1760-1765	1.4	2
30	Pectin modified metal nanoparticles and their application in property modification of biosensors. <i>Carbohydrate Polymer Technologies and Applications</i> , 2021 , 2, 100164	1.7	2
29	Syntheses, Characterization and in vitro biological potent of 2-aminobenzothiazole moiety with Ce(III) metal complexes. <i>Materials Today: Proceedings</i> , 2018 , 5, 1626-1634	1.4	1
28	Role of CoreShell Nanocomposites in Heavy Metal Removal 2016 , 289-309		1
27	Fabrication, Properties of Nanoshells with Controllable Surface Charge and its Applications 2014 , 121-145		1
26	Photoluminescence and photo-catalytic properties of Zn _{1-x} Cu _x Mn _y S nanostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 14385-14393	2.1	1
25	Photolysis of α -Epoxyketones: A Green Synthesis of β -Hydroxyenones through Tandem H-Abstraction, Ring Cleavage and Isomerisation. <i>Journal of the Chinese Chemical Society</i> , 2015 , 62, 1114-1120	1.5	1
24	Syntheses, Characterization, and Biological Activities of Metal Complexes of N-(2-Carbamoylthienyl)-C-(3?-carboxy-2?-hydroxyphenyl) Azetidino-2-one with Some Di-, Tetra-, and Hexavalent Metal Ions. <i>Journal of Chemistry</i> , 2014 , 2014, 1-8	2.3	1
23	Regioselective Photocyclization Reactions of 3-Allyloxy-6-chloro-2-(thiophen-3-yl)-4H-chromen-4-one: Solvent Effect. <i>Journal of Heterocyclic Chemistry</i> , 2013 , 50, E200-E203	1.9	1
22	Review Environmental Implications of Incineration of Municipal Solid Waste and Ash Disposal. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2020 , 59-79	0.4	1
21	Role of New-Generation Technology in Remediating Environmental Pollution 2018 , 207-246		1
20	Study of structural and luminescent characteristics of novel color tunable blue-green Tb ³⁺ -doped Na ₃ Y(PO ₄) ₂ nanoparticles for NUV-based WLEDs. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 4166-4176	2.1	1
19	MetalOrganic Frameworks for Water Decontamination and Reuse: A Dig at Heavy Metal Ions and Organic Toxins. <i>ACS Symposium Series</i> , 77-124	0.4	1

18	Environmental Applications of Metal-Organic Frameworks: Recent Advances and Challenges. <i>ACS Symposium Series</i> , 299-318	0.4	1
17	Present status and future prospect of genetic and metabolic engineering for biofuels production from lignocellulosic biomass 2020 , 171-192		0
16	Environmental Monitoring by Removing Air Pollutants Using Nanocomposites Materials. <i>Green Energy and Technology</i> , 2021 , 43-59	0.6	0
15	Carbon quantum dots (CQDs)/Ce doped NiO nanocomposite for high performance supercapacitor. <i>Materials Today Communications</i> , 2021 , 27, 102340	2.5	0
14	Single phase cool white light emitting novel Ca ₉ Al(PO ₄) ₇ :Dy ³⁺ nanophosphor under NUV excitation. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 17241-17252	2.1	0
13	Assembly of cerium impregnated pectin/silica gel biopolymeric material for effective utilization for fluoride adsorption studies. <i>Materials Today: Proceedings</i> , 2021 , 50, 273-273	1.4	0
12	Preparation and Spectroscopic Characterization of Polymer-Supported Transition Metal Complexes. <i>Asian Journal of Chemistry</i> , 2019 , 31, 2087-2090	0.4	
11	Physicochemical, Spectral, and Biological Studies of Mn(II), Cu(II), Cd(II), Zr(OH) ₂ (IV), and UO ₂ (VI) Compounds with Ligand Containing Thiazolidin-4-one Moiety. <i>Journal of Chemistry</i> , 2014 , 2014, 1-9	2.3	
10	Photochemical Study of Chalconoid-like Compounds: Synthesis of 4-Flavanoids. <i>Journal of Heterocyclic Chemistry</i> , 2014 , 51, 948-953	1.9	
9	Ti-Based Materials for K-Ion Batteries 2020 , 357-372		
8	Mechanistic insights into the antimicrobial action and detoxification of mercury by humic acid-incorporated silica and zinc nanoparticles. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022 , 17, 100631	3.3	
7	Environmental Geochemistry 2021 , 111-125		
6	Application of Biomaterials for Elimination of Damaging Contaminants from Aqueous Media. <i>Springer Series on Polymer and Composite Materials</i> , 2018 , 145-160	0.9	
5	Thermodynamics and kinetics to develop an analytical method for sensing of aqueous Hg(II) using caffeic acid decorated AgNPs. <i>Inorganic and Nano-Metal Chemistry</i> , 1-18	1.2	
4	Water-dispersible magnetite montmorillonite encapsulated cellulose beads for fluoride removal and their kinetics and mechanism. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022 , 18, 100690	3.3	
3	Strategies to enhance the electrochemical properties of MOFs 2022 , 67-79		
2	Use of core-shell nanomaterials as potential adsorbents for fluoride remediation: Toward a sustainable ecosystem. <i>Groundwater for Sustainable Development</i> , 2022 , 18, 100785	6	
1	Analytical methods to determine and sense heavy metal pollutants using MXene and MXene-based composites: Mechanistic prophecy into sensing properties. <i>Chemosphere</i> , 2022 , 303, 135166	8.4	

