

Ajay K Mishra

List of Publications by Year in descending order

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158
papers

6,459
citations

109137

35
h-index

76769

74
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179
all docs

179
docs citations

179
times ranked

9055
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphitic carbon nitride (g-C ₃ N ₄) nanocomposites: A new and exciting generation of visible light driven photocatalysts for environmental pollution remediation. <i>Applied Catalysis B: Environmental</i> , 2016, 198, 347-377.	10.8	970
2	Chitosan-based nanomaterials: A state-of-the-art review. <i>International Journal of Biological Macromolecules</i> , 2013, 59, 46-58.	3.6	721
3	A critical review of transport through osmotic membranes. <i>Journal of Membrane Science</i> , 2014, 454, 516-537.	4.1	254
4	Evaluation of <i>Chenopodium ambrosioides</i> oil as a potential source of antifungal, antiaflatoxigenic and antioxidant activity. <i>International Journal of Food Microbiology</i> , 2007, 115, 159-164.	2.1	250
5	Dendrimers, mesoporous silicas and chitosan-based nanosorbents for the removal of heavy-metal ions: A review. <i>International Journal of Biological Macromolecules</i> , 2016, 86, 570-586.	3.6	241
6	Carbon-based nanomaterials for remediation of organic and inorganic pollutants from wastewater. A review. <i>Environmental Chemistry Letters</i> , 2020, 18, 1169-1191.	8.3	145
7	Fe ₃ O ₄ MNPs and gum xanthan based hydrogels nanocomposites for the efficient capture of malachite green from aqueous solution. <i>Chemical Engineering Journal</i> , 2014, 255, 471-482.	6.6	142
8	Nanocellulose-based composites for the removal of contaminants from wastewater. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 616-632.	3.6	110
9	Gum ghatti and acrylic acid based biodegradable hydrogels for the effective adsorption of cationic dyes. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 22, 171-178.	2.9	103
10	Enhanced visible-light photocatalytic activity of multi-elements-doped ZrO ₂ for degradation of indigo carmine. <i>Journal of Rare Earths</i> , 2015, 33, 498-506.	2.5	97
11	Smart pathways for the photocatalytic degradation of sulfamethoxazole drug using F-Pd co-doped TiO ₂ nanocomposites. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118716.	10.8	95
12	Advances in Magnetically Separable Photocatalysts: Smart, Recyclable Materials for Water Pollution Mitigation. <i>Catalysts</i> , 2016, 6, 79.	1.6	89
13	In vitro antitumour and antibacterial studies of some Pt(IV) dithiocarbamate complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 65, 32-35.	2.0	87
14	Synthesis and DNA binding studies of Ni(II), Co(II), Cu(II) and Zn(II) metal complexes of N1,N5-bis[pyridine-2-methylene]-thiocarbohydrazone Schiff-base ligand. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 1050-1056.	2.0	80
15	Nanoparticles for Advanced Photodynamic Therapy of Cancer. <i>Photomedicine and Laser Surgery</i> , 2017, 35, 581-588.	2.1	80
16	Study of performance properties of lignin-based polyblends with polyvinyl chloride. <i>Journal of Materials Processing Technology</i> , 2007, 183, 273-276.	3.1	66
17	Nanofibrous polyaniline thin film prepared by plasma-induced polymerization technique for detection of NO ₂ gas. <i>Polymers for Advanced Technologies</i> , 2010, 21, 615-620.	1.6	64
18	Nd,N,S-TiO ₂ Decorated on Reduced Graphene Oxide for a Visible Light Active Photocatalyst for Dye Degradation: Comparison to Its MWCNT/Nd,N,S-TiO ₂ Analogue. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 14329-14338.	1.8	64

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19	Spectral, thermal and in vitro antimicrobial studies of cyclohexylamine-N-dithiocarbamate transition metal complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 579-587.	2.0	63
20	Sepiolite supported BiVO ₄ nanocomposites for efficient photocatalytic degradation of organic pollutants: Insight into the interface effect towards separation of photogenerated charges. <i>Science of the Total Environment</i> , 2020, 722, 137825.	3.9	60
21	Preparation of poly(acrylamide-co-acrylic acid)-grafted gum and its flocculation and biodegradation studies. <i>Carbohydrate Polymers</i> , 2013, 98, 397-404.	5.1	59
22	Flocculation characteristics and biodegradation studies of Gum ghatti based hydrogels. <i>International Journal of Biological Macromolecules</i> , 2013, 58, 37-46.	3.6	57
23	Stabilisation of silver and copper nanoparticles in a chemically modified chitosan matrix. <i>Carbohydrate Polymers</i> , 2013, 92, 1402-1407.	5.1	54
24	Graphene in the Fe ₃ O ₄ nano-composite switching the negative influence of humic acid coating into an enhancing effect in the removal of arsenic from water. <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 77-83.	1.2	49
25	Green synthesis and stabilization of gold nanoparticles in chemically modified chitosan matrices. <i>International Journal of Biological Macromolecules</i> , 2011, 48, 682-687.	3.6	48
26	Fundamentals of chitosan for biomedical applications. , 2017, , 3-30.		48
27	Triphenyl phosphine adducts of platinum(IV) and palladium(II) dithiocarbamates complexes: a spectral and in vitro study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 3087-3092.	2.0	45
28	Thermal and mechanical properties of phosphorylated multiwalled carbon nanotube/polyvinyl chloride composites. <i>Carbon</i> , 2011, 49, 610-617.	5.4	45
29	Alginate-Zr (IV) phosphate nanocomposite ion exchanger: Binary separation of heavy metals, photocatalysis and antimicrobial activity. <i>Journal of Alloys and Compounds</i> , 2017, 701, 153-162.	2.8	45
30	Organotin(IV) complexes of thiohydrazones: synthesis, characterization and antifungal study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 3097-3101.	2.0	43
31	Chitosan-lignin-titania nanocomposites for the removal of brilliant black dye from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1659-1666.	3.6	43
32	Gadolinium nanoparticle-decorated multiwalled carbon nanotube/titania nanocomposites for degradation of methylene blue in water under simulated solar light. <i>Environmental Science and Pollution Research</i> , 2014, 21, 5597-5609.	2.7	42
33	Biosorption potential of Gum ghatti-g-poly(acrylic acid) and susceptibility to biodegradation by <i>B. subtilis</i> . <i>International Journal of Biological Macromolecules</i> , 2013, 62, 370-378.	3.6	41
34	Synthesis, characterization and photoluminescence properties of Ce ³⁺ -doped ZnO-nanophosphors. <i>Chemical Papers</i> , 2014, 68, .	1.0	41
35	Optimization of MnO ₂ -Graphene/polythioaniline (MnO ₂ -G/PTA) hybrid nanocomposite for the application of biofuel cell bioanode. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 15144-15154.	3.8	41
36	Effect of sintering temperature on microstructural and optical properties of transparent yttria ceramics fabricated by spark plasma sintering. <i>Ceramics International</i> , 2016, 42, 7819-7823.	2.3	38

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37	Influence of TiO ₂ -Modification on the Mechanical and Thermal Properties of Sugarcane Bagasse/EVA Composites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2010, 20, 802-808.	1.9	36
38	Comparison of rhodamine B degradation under UV irradiation by two phases of titania nano-photocatalyst. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 847-855.	2.0	36
39	Fabrication of photocatalyst based on Eu ³⁺ -doped ZnS/SiO ₂ and sodium alginate core shell nanocomposite. <i>International Journal of Biological Macromolecules</i> , 2014, 70, 143-149.	3.6	36
40	A critical review of selected membrane- and powder-based adsorbents for water treatment: Sustainability and effectiveness. <i>Journal of Cleaner Production</i> , 2020, 277, 123497.	4.6	36
41	Synthesis of β -cyclodextrin/chitosan composites for the efficient removal of Cd(II) from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 504-512.	3.6	35
42	Fabrication, Characterization and Application of Polymer Nanocomposites for Arsenic(III) Removal from Water. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 293-305.	1.9	35
43	Synthesis and characterization of molecularly imprinted polymers for the remediation of PCBs and dioxins in aqueous environments. <i>Journal of Environmental Health Science & Engineering</i> , 2014, 12, 82.	1.4	35
44	Cobalt-doped ZnS-reduced graphene oxide nanocomposite as an advanced photocatalytic material. <i>Journal of Porous Materials</i> , 2015, 22, 47-56.	1.3	35
45	Advances in Graphene-Based Magnetic and Graphene-Based/TiO ₂ Nanoparticles in the Removal of Heavy Metals and Organic Pollutants from Industrial Wastewater. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 463-480.	1.9	35
46	Synthesis, characterization, cytotoxicity, antibacterial and antifungal evaluation of some new platinum (IV) and palladium (II) complexes of thiodiamines. <i>European Journal of Medicinal Chemistry</i> , 2007, 42, 1239-1246.	2.6	34
47	Strontium aluminate/polymer composites: Morphology, luminescent properties, and durability. <i>Journal of Applied Polymer Science</i> , 2009, 112, 3347-3354.	1.3	34
48	Removal of lead (II) from aqueous waste using (CD-PCL-TiO ₂) bio-nanocomposites. <i>International Journal of Biological Macromolecules</i> , 2018, 109, 136-142.	3.6	34
49	MOFs-carbon hybrid nanocomposites in environmental protection applications. <i>Environmental Science and Pollution Research</i> , 2020, 27, 16004-16018.	2.7	33
50	Palladium-decorated zinc sulfide/reduced graphene oxide nanocomposites for enhanced visible light-driven photodegradation of indigo carmine. <i>Materials Science in Semiconductor Processing</i> , 2015, 33, 119-126.	1.9	32
51	NiCo ₂ O ₄ decorated PANI/CNTs composites as supercapacitive electrode materials. <i>Journal of Energy Chemistry</i> , 2017, 26, 175-181.	7.1	32
52	Recent advancement in consolidation of MOFs as absorbents for hydrogen storage. <i>International Journal of Energy Research</i> , 2021, 45, 12481-12499.	2.2	32
53	Novel chitosan/gold-MPA nanocomposite for sequence-specific oligonucleotide detection. <i>Carbohydrate Polymers</i> , 2010, 82, 189-194.	5.1	31
54	Effect of organic peroxides on the morphological, thermal and tensile properties of EVA-organoclay nanocomposites. <i>EXPRESS Polymer Letters</i> , 2008, 2, 256-264.	1.1	30

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55	Thermal stability of amine-functionalized MCM-41 in different atmospheres. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 1487-1496.	2.0	30
56	Zirconia-poly(propylene imine) dendrimer nanocomposite based electrochemical urea biosensor. <i>Enzyme and Microbial Technology</i> , 2014, 66, 48-55.	1.6	30
57	Melt processing of polypropylene-grafted-maleic anhydride/Chitosan polymer blend functionalized with montmorillonite for the removal of lead ions from aqueous solutions. <i>Scientific Reports</i> , 2020, 10, 217.	1.6	30
58	Effect of sol-gel derived nano-silica and organic peroxide on the thermal and mechanical properties of low-density polyethylene/wood flour composites. <i>Polymer Degradation and Stability</i> , 2008, 93, 1-8.	2.7	27
59	Effect of Metal Ions (Ag, Co, Ni, and Pd) on the Visible Light Degradation of Rhodamine B by Carbon-Covered Alumina-Supported TiO ₂ in Aqueous Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 1783-1794.	1.8	27
60	Sulfur/Gadolinium-Codoped TiO ₂ Nanoparticles for Enhanced Visible-Light Photocatalytic Performance. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-11.	1.5	27
61	Synthesis of silicon carbide nanofibers from pitch blended with sol-gel derived silica. <i>Materials Letters</i> , 2006, 60, 3906-3911.	1.3	26
62	Large-distance rf- and dc-sputtering of epitaxial La _{1-x} Sr _x MnO ₃ thin films. <i>Thin Solid Films</i> , 2012, 520, 5521-5527.	0.8	25
63	Cultivar Specific Response of CO ₂ Fertilization on Two Tropical Mung Bean (<i>Vigna radiata</i> L.) Cultivars: ROS Generation, Antioxidant Status, Physiology, Growth, Yield and Seed Quality. <i>Journal of Agronomy and Crop Science</i> , 2014, 200, 273-289.	1.7	25
64	A comparative study on the effect of different reaction conditions on graft co-polymerization, swelling, and thermal properties of Gum ghatti-based hydrogels. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 131-144.	2.0	25
65	Photocatalytic degradation of the diazo dye naphthol blue black in water using MWCNT/Gd,N,S-TiO ₂ nanocomposites under simulated solar light. <i>Journal of Environmental Sciences</i> , 2015, 33, 219-228.	3.2	25
66	Fe ₃ O ₄ - β -cyclodextrin-Chitosan Bionanocomposite for Arsenic Removal from Aqueous Solution. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 467-480.	1.9	25
67	Microwave induced β -cyclodextrin modification of chitosan for lead sorption. <i>International Journal of Biological Macromolecules</i> , 2010, 47, 410-419.	3.6	24
68	Effect of Cross-Linking Agent Chemistry and Coating Conditions on Physical, Chemical, and Separation Properties of PVA-Psf Composite Membranes. <i>Separation Science and Technology</i> , 2014, 49, 22-29.	1.3	23
69	Salinity-induced oxidative stress-mediated change in fatty acids composition of cyanobacterium <i>Synechococcus</i> sp. PCC7942. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 875-886.	1.8	23
70	Titanium dioxide and graphitic carbon nitride-based nanocomposites and nanofibres for the degradation of organic pollutants in water: a review. <i>Environmental Science and Pollution Research</i> , 2021, 28, 10357-10374.	2.7	23
71	Factors modulating alkaline phosphatase activity in the diazotrophic rice-field cyanobacterium, <i>Anabaena aoryzae</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2006, 22, 927-935.	1.7	22
72	Preparation of yttria nanopowders for use in transparent ceramics by dry ball-milling technique. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2169-2177.	2.8	22

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73	Synthesis, characterization, antibacterial and cytotoxic study of platinum (IV) complexes. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 6333-6340.	1.4	21
74	Comparative studies of the morphological and thermal properties of clay/polymer nanocomposites synthesized via melt blending and modified solution blending methods. <i>Journal of Composite Materials</i> , 2011, 45, 2211-2216.	1.2	21
75	Synthesis of Mesoporous MWCNT/HKUST-1 Composite for Wastewater Treatment. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4407.	1.3	21
76	Microwave Assisted Synthesis Of Chitosan-graft-styrene For Efficient Cr(VI) Removal. <i>Advanced Materials Letters</i> , 2010, 1, 59-66.	0.3	21
77	A review on III-VI ternary quantum dots for fluorescence detection of heavy metals ions in water: optical properties, synthesis and application. <i>RSC Advances</i> , 2022, 12, 11216-11232.	1.7	21
78	DEVELOPMENTAL STUDIES ON THE COENOCYTIC ALGA, CAULERPA SERTULARIOIDES. <i>Journal of Phycology</i> , 1969, 5, 103-109.	1.0	20
79	Structural and thermal degradation behaviour of reclaimed clay nano-reinforced low-density polyethylene nanocomposites. <i>Journal of Polymer Research</i> , 2019, 26, 1.	1.2	20
80	The fate of waste drilling fluids from oil & gas industry activities in the exploration and production operations. <i>Waste Management</i> , 2022, 139, 362-380.	3.7	20
81	Ethylene Vinyl Acetate and Polycaprolactone-Organoclay Nanocomposite: Thermal, Mechanical and Morphological Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2011, 21, 229-236.	1.9	19
82	Synergistic effects of sodium fluoride (NaF) on the crystallinity and band gap of Fe-doped TiO ₂ developed via microwave-assisted hydrothermal treatment. <i>Optical Materials</i> , 2020, 104, 109844.	1.7	19
83	Optical and Biological Properties of Metal-Containing Macromolecules. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 3-41.	1.9	17
84	Carbon nanotubes and graphene for photonic applications. , 2013, , .		17
85	Effect of organic peroxides on the morphology and properties of EVA/Cloisite 15A nanocomposites. <i>Journal of Applied Polymer Science</i> , 2009, 112, 218-225.	1.3	16
86	Synthesis of Silicon Carbide Nanowires from a Hybrid of Amorphous Biopolymer and Sol-Gel-Derived Silica. <i>Journal of the American Ceramic Society</i> , 2009, 92, 3052-3058.	1.9	16
87	Layer-by-Layer Self-Assembled Metal-Ion- (Ag-, Co-, Ni-, and Pd-) Doped TiO ₂ Nanoparticles: Synthesis, Characterisation, and Visible Light Degradation of Rhodamine B. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-12.	1.5	16
88	Kinetic and equilibrium studies of the removal of Pb ²⁺ from aqueous solutions using Na ₂ SO ₄ -EVA/Cloisite® 20A composite. <i>Materials Chemistry and Physics</i> , 2012, 133, 369-375.	2.0	16
89	Room temperature reversible tuning of magnetism of electrolyte-gated La _{0.75} Sr _{0.25} MnO ₃ nanoparticles. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	16
90	Use of Laser-Induced Breakdown Spectroscopy for the Detection of Glycemic Elements in Indian Medicinal Plants. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-9.	0.5	16

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91	Controlled microstructural hydrothermal synthesis of strontium selenides host matrices for EuII and EuIII luminescence. <i>Materials Letters</i> , 2015, 146, 51-54.	1.3	16
92	Growth of silicon carbide nanorods from the hybrid of lignin and polysiloxane using sol-gel process and polymer blend technique. <i>Materials Letters</i> , 2009, 63, 2449-2451.	1.3	15
93	The adsorption behavior of Cu(II), Pb(II), and Co(II) of ethylene vinyl acetate-clinoptilolite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2011, 121, 3414-3424.	1.3	15
94	Determination of phthalate ester plasticizers in the aquatic environment using hollow fibre supported liquid membranes. <i>Physics and Chemistry of the Earth</i> , 2012, 50-52, 239-242.	1.2	15
95	Enhanced visible light photocatalytic degradation of eriochrome black T and eosin blue shade in water using tridoped titania decorated on SWCNTs and MWCNTs: Effect of the type of carbon nanotube incorporated. <i>Materials Chemistry and Physics</i> , 2015, 149-150, 734-742.	2.0	15
96	Gd,C,N,S Multi-doped ZrO ₂ for Photocatalytic Degradation of Indigo Carmine Dye from Synthetic Water under Simulated Solar Light. <i>Materials Today: Proceedings</i> , 2015, 2, 3909-3920.	0.9	14
97	Mechanistic pathways for the degradation of SMX drug and floatation of degraded products using Pt co-doped TiO ₂ photocatalysts. <i>RSC Advances</i> , 2020, 10, 27662-27675.	1.7	14
98	Platinum (IV) thiohydrazide, thiodiamine and thiohydrazone complexes: A spectral, antibacterial and cytotoxic study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 66, 1042-1047.	2.0	13
99	Nickel(II) thiohydrazide and thiodiamine complexes: Synthesis, characterization, antibacterial, antifungal and thermal studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 842-848.	2.0	13
100	Synthesis and characterization of carbon-covered alumina (CCA) supported TiO ₂ nanocatalysts with enhanced visible light photodegradation of Rhodamine B. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	13
101	Thermal stability of Ti-MCM-41. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 117, 701-710.	2.0	13
102	Decolourization of pulp and paper mill effluents using heat-treated coal: a comparison with activated charcoal. <i>Environmental Chemistry Letters</i> , 2010, 8, 231-235.	8.3	12
103	Gadolinium oxide decorated multiwalled carbon nanotube/tridoped titania nanocomposites for improved dye degradation under simulated solar light irradiation. <i>Materials Research Bulletin</i> , 2016, 75, 59-70.	2.7	12
104	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.	0.9	12
105	(3-Aminopropyl) Triethoxysilane (APTES) Functionalized Magnetic Nanosilica Graphene Oxide (MGO) Nanocomposite for the Comparative Adsorption of the Heavy Metal [Pb(II), Cd(II) and Ni(II)] Ions from Aqueous Solution. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2235-2248.	1.9	12
106	Protection against salt toxicity in <i>Azolla pinnata</i> - <i>Anabaena azollae</i> symbiotic association by using combined-N sources. <i>Acta Biologica Hungarica</i> , 2006, 57, 355-365.	0.7	11
107	Thermal and spectral studies of palladium(II) complexes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 90, 509-515.	2.0	11
108	Structure-Activity Relationships of Er ³⁺ and MWCNT-Modified TiO ₂ : Enhancing the Textural and Optoelectronic Properties of TiO ₂ . <i>Journal of Physical Chemistry C</i> , 2019, 123, 31246-31261.	1.5	11

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109	Beta cyclodextrin modified polyvinylidene fluoride adsorptive mixed matrix membranes for removal of Congo red. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	11
110	Attenuation of metal toxicity by frankial siderophores. <i>Toxicological and Environmental Chemistry</i> , 2010, 92, 1339-1346.	0.6	10
111	Synthesis and Mechanistic Study of Steroidal Oxime Ethers. <i>Helvetica Chimica Acta</i> , 2011, 94, 2256-2263.	1.0	10
112	Adsorption Behaviour of Ethylene Vinyl Acetate and Polycaprolactone-Bentonite Composites for Pb ²⁺ Uptake. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012, 22, 342-351.	1.9	10
113	Studies on the effect of silicon carbide nanoparticles on the thermal, mechanical, and biodegradation properties of poly(caprolactone). <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	10
114	Ethyl vinyl acetate copolymerâ€”SrAl ₂ O ₄ :Eu,Dy and Sr ₄ Al ₁₄ O ₂₅ :Eu,Dy phosphorâ€”based composites: Preparation and material properties. <i>Journal of Applied Polymer Science</i> , 2010, 115, 579-587.	1.3	9
115	Metal Doped Nanosized Titania Used for the Photocatalytic Degradation of Rhodamine B Dye Under Visible-Light. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 4934-4942.	0.9	9
116	Nano Size Magnetite Particles Layered with the Blend of Conductive Polymer and Superadsorbent Hydrogel: A Coreâ€”Shell Based Nanocomposite for Trivalent Arsenide Uptake form Aqueous Solution. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 2131-2142.	1.9	9
117	Structural, Transport and Adsorptive Properties of Lantana camara-Reinforced Ethylene Vinyl Acetate Composites. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 3831-3843.	1.1	8
118	ANN modeling in Pb(II) removal from water by clayâ€”polymer composites fabricated via the meltâ€”blending. <i>Journal of Applied Polymer Science</i> , 2013, 130, 3894-3901.	1.3	8
119	Development of Magnesiaâ€”Yttria nanocomposite powder by new non-alkoxide sol-gel method. <i>Ceramics International</i> , 2017, 43, 1217-1226.	2.3	8
120	Ethylene-vinyl acetate (EVA)/polycaprolactone (PCL)â€”Fe ₃ O ₄ composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 791-797.	2.0	7
121	Influence of polysiloxane as nanofiller on the surface, optical and thermal properties of guar gum grafted polyaniline matrix. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 441-452.	3.6	7
122	Polypropyleneâ€”Polypropylene-Grafted-Maleic Anhydrideâ€”Montmorillonite Clay Nanocomposites for Pb(II) Removal. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 2799-2811.	1.9	7
123	Giant Dielectric Behaviour of Nb Modified CCTO Thin Film Prepared by Modified Solâ€”Gel Route. <i>Transactions on Electrical and Electronic Materials</i> , 2020, 21, 315-323.	1.0	7
124	Platinum(IV) and palladium(II) thiosemicarbazide and thiodiamine complexes: A spectral and antibacterial study. <i>Journal of Coordination Chemistry</i> , 2007, 60, 1923-1932.	0.8	6
125	In situ formation of Î²-silicon carbide nanorods from the hybrid of an organic moiety and methyltriethoxysilane. <i>Materials Letters</i> , 2011, 65, 2245-2247.	1.3	6
126	Morphological, transport, and adsorption properties of ethylene vinyl acetate/polyurethane/bentonite clay composites. <i>Journal of Applied Polymer Science</i> , 2012, 124, 4978-4985.	1.3	6

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127	Synthesis, characterization, and in vitro antibacterial and antifungal studies of tin(IV) thiohydrazide complexes. <i>Journal of Coordination Chemistry</i> , 2011, 64, 3622-3636.	0.8	6
128	Assessment of quorum sensing effects of tyrosol on fermentative performance by chief ethnic fermentative yeasts from northeast India. <i>Journal of Applied Microbiology</i> , 2020, 131, 728-742.	1.4	6
129	Metal ion adsorption behavior of lignocellulosic fiber-ethylene vinyl acetate composites. <i>Polymer Engineering and Science</i> , 2012, 52, 760-767.	1.5	5
130	Enhanced solar light photodegradation of brilliant black bis-azo dye in aqueous solution by F, Sm ³⁺ -codoped TiO ₂ . <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 195, 012006.	0.3	5
131	Preparation, spectral characterization, cytotoxic and thermal studies of platinum (IV) thiohydrazone complexes. <i>Journal of Thermal Biology</i> , 2006, 31, 611-616.	1.1	4
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