

# Ganga Ram Chaudhary

## List of Publications by Year in descending order

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133  
papers

3,165  
citations

147566

31  
h-index

223531

46  
g-index

134  
all docs

134  
docs citations

134  
times ranked

3092  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative study of catalytic activity of ZrO <sub>2</sub> nanoparticles for sonocatalytic and photocatalytic degradation of cationic and anionic dyes. <i>Chemical Engineering Journal</i> , 2015, 280, 475-485.	6.6	134
2	Removal of Water Contaminants by Iron Oxide Nanomaterials. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 627-643.	0.9	108
3	Tungsten oxide (WO <sub>3</sub> ) nanoparticles as scaffold for the fabrication of hydrazine chemical sensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 231-237.	4.0	92
4	Synthesis of CeO <sub>2</sub> @ZnO nanoellipsoids as potential scaffold for the efficient detection of 4-nitrophenol. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 1044-1050.	4.0	92
5	Microwave-assisted assembly of Ag <sub>2</sub> O-ZnO composite nanocones for electrochemical detection of 4-Nitrophenol and assessment of their photocatalytic activity towards degradation of 4-Nitrophenol and Methylene blue dye. <i>Journal of Hazardous Materials</i> , 2021, 416, 125771.	6.5	87
6	Green synthesis of CuO nanomaterials and their proficient use for organic waste removal and antimicrobial application. <i>Environmental Research</i> , 2019, 168, 85-95.	3.7	85
7	Ultra fast and effective treatment of dyes from water with the synergistic effect of Ni doped ZnO nanoparticles and ultrasonication. <i>Ultrasonics Sonochemistry</i> , 2015, 22, 317-325.	3.8	80
8	Upcycling of plastic waste into fluorescent carbon dots: An environmentally viable transformation to biocompatible C-dots with potential prospective in analytical applications. <i>Waste Management</i> , 2021, 120, 675-686.	3.7	66
9	Perspective and prospects of 2D MXenes for smart biosensing. <i>Materials Letters</i> , 2021, 304, 130656.	1.3	65
10	Ultra-high sensitive hydrazine chemical sensor based on low-temperature grown ZnO nanoparticles. <i>Electrochimica Acta</i> , 2012, 69, 128-133.	2.6	62
11	NiO nanodisks: Highly efficient visible-light driven photocatalyst, potential scaffold for seed germination of <i>Vigna Radiata</i> and antibacterial properties. <i>Journal of Cleaner Production</i> , 2018, 190, 563-576.	4.6	62
12	Recyclable CuS quantum dots as heterogeneous catalyst for Biginelli reaction under solvent free conditions. <i>Chemical Engineering Journal</i> , 2014, 243, 217-224.	6.6	61
13	Ionic liquid and surfactant functionalized ZnO nanoadsorbent for Recyclable Proficient Adsorption of toxic dyes from waste water. <i>Journal of Molecular Liquids</i> , 2016, 224, 1294-1304.	2.3	54
14	Electrochemical sensor based on ZrO <sub>2</sub> NPs/Au electrode sensing layer for monitoring hydrazine and catechol in real water samples. <i>Journal of Molecular Liquids</i> , 2017, 248, 651-657.	2.3	53
15	Metallosurfactant based Pd@Ni alloy nanoparticles as a proficient catalyst in the Mizoroki Heck coupling reaction. <i>Green Chemistry</i> , 2018, 20, 1506-1514.	4.6	52
16	Transformation of solid plastic waste to activated carbon fibres for wastewater treatment. <i>Chemosphere</i> , 2022, 294, 133692.	4.2	51
17	Recyclable CuO nanoparticles as heterogeneous catalysts for the synthesis of xanthenes under solvent free conditions. <i>RSC Advances</i> , 2014, 4, 49462-49470.	1.7	48
18	Metallovesicles as smart nanoreactors for green catalytic synthesis of benzimidazole derivatives in water. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17306-17314.	5.2	47

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19	Enhanced solubilization of curcumin in mixed surfactant vesicles. Food Chemistry, 2016, 199, 660-666.	4.2	45
20	Adsorption Studies of Cationic, Anionic and Azo-Dyes via Monodispersed Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. Journal of Nanoscience and Nanotechnology, 2013, 13, 3240-3245.	0.9	42
21	Multifaceted Approach for the Fabrication of Metallomicelles and Metallic Nanoparticles Using Solvophobic Bisdodecylaminepalladium (II) Chloride as Precursor. Inorganic Chemistry, 2015, 54, 9002-9012.	1.9	40
22	Adsorptive removal of eriochrome black T (EBT) dye by using surface active low cost zinc oxide nanoparticles: A comparative overview. Chemosphere, 2021, 278, 130366.	4.2	40
23	Synthesis of highly luminescent water stable ZnO quantum dots as photoluminescent sensor for picric acid. Journal of Luminescence, 2014, 154, 148-154.	1.5	39
24	Comparative performance of bare and functionalize ZnO nanoadsorbents for pesticide removal from aqueous solution. Journal of Molecular Liquids, 2017, 234, 94-103.	2.3	38
25	A facile route for the synthesis of Co, Ni and Cu metallic nanoparticles with potential antimicrobial activity using novel metallosurfactants. Applied Surface Science, 2017, 404, 254-262.	3.1	37
26	A comparative study of thermophysical and spectroscopic properties in mixtures of isomeric butanediol and N,N-dimethylformamide. Journal of Chemical Thermodynamics, 2006, 38, 836-848.	1.0	36
27	Proficient Photocatalytic and Sonocatalytic Degradation of Organic Pollutants Using CuO Nanoparticles. Journal of Nanomaterials, 2020, 2020, 1-15.	1.5	36
28	A comparison on the performance of zinc oxide and hematite nanoparticles for highly selective and sensitive detection of para-nitrophenol. Journal of Applied Electrochemistry, 2015, 45, 253-261.	1.5	34
29	Surfactant functionalized tungsten oxide nanoparticles with enhanced photocatalytic activity. Chemical Engineering Journal, 2016, 288, 423-431.	6.6	34
30	An efficient and green synthesis of xanthene derivatives using CuS quantum dots as a heterogeneous and reusable catalyst under solvent free conditions. RSC Advances, 2015, 5, 8205-8209.	1.7	33
31	Gold-platinum bimetallic nanoparticles coated 3-(aminopropyl)triethoxysilane (APTES) based electrochemical immunosensor for vitamin D estimation. Journal of Electroanalytical Chemistry, 2020, 873, 114400.	1.9	33
32	1-butyl-3-methylimidazolium tetrafluoroborate functionalized ZnO nanoparticles for removal of toxic organic dyes. Journal of Molecular Liquids, 2016, 220, 1013-1021.	2.3	32
33	(Cationic + nonionic) mixed surfactant aggregates for solubilisation of curcumin. Journal of Chemical Thermodynamics, 2016, 93, 115-122.	1.0	32
34	Thermophysical and Spectroscopic Studies of Pure 1-Butyl-3-methylimidazolium Tetrafluoroborate and Its Aqueous Mixtures. Journal of Solution Chemistry, 2014, 43, 340-359.	0.6	31
35	Effect of placement of hydroxyl groups in isomeric butanediol on the behaviour of thermophysical and spectroscopic properties of pyrrolidin-2-one. Journal of Chemical Thermodynamics, 2005, 37, 791-801.	1.0	30
36	A flower-like ZnO-Ag <sub>2</sub> O nanocomposite for label and mediator free direct sensing of dinitrotoluene. RSC Advances, 2020, 10, 27764-27774.	1.7	30

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37	Self aggregation and solution behavior of copper and nickel based surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 403, 103-109.	2.3	29
38	Cationic double chained metallosurfactants: synthesis, aggregation, cytotoxicity, antimicrobial activity and their impact on the structure of bovine serum albumin. Soft Matter, 2018, 14, 5306-5318.	1.2	28
39	Novel electrochemical sensing of arsenic ions using a simple graphite pencil electrode modified with tin oxide nanoneedles. Journal of Molecular Liquids, 2018, 264, 198-204.	2.3	27
40	Advanced green analytical chemistry for environmental pesticide detection. Current Opinion in Green and Sustainable Chemistry, 2021, 30, 100488.	3.2	27
41	Transition metal based single chained surfactants: synthesis, aggregation behavior and enhanced photoluminescence properties of fluorescein. RSC Advances, 2016, 6, 108573-108582.	1.7	25
42	ZrO <sub>2</sub> nanoparticles: An industrially viable, efficient and recyclable catalyst for synthesis of pharmaceutically significant xanthene derivatives. Vacuum, 2018, 157, 9-16.	1.6	25
43	Manganese Oxide Nanochips as a Novel Electrocatalyst for Direct Redox Sensing of Hexavalent Chromium. Scientific Reports, 2019, 9, 8050.	1.6	25
44	High antimicrobial photodynamic activity of photosensitizer encapsulated dual-functional metallocatanionic vesicles against drug-resistant bacteria <i>S. aureus</i> . Biomaterials Science, 2020, 8, 2905-2920.	2.6	25
45	Non-Enzymatic Glucose Sensor Based on Well-Crystallized ZnO Nanoparticles. Science of Advanced Materials, 2012, 4, 994-1000.	0.1	25
46	Novel electrochemical sensor for mononitrotoluenes using silver oxide quantum dots. Electrochimica Acta, 2019, 293, 283-289.	2.6	24
47	Investigating the efficiency of $\beta$ -Bismuth zinc oxide heterostructure composite/UV-LED in methylene blue dye removal and evaluation of its antimicrobial activity.. Environmental Research, 2020, 180, 108857.	3.7	23
48	Investigating affordable cobalt based metallosurfactant as an efficient electrocatalyst for hydrogen evolution reaction. Journal of Colloid and Interface Science, 2020, 562, 598-607.	5.0	23
49	Well-Crystalline ZnO Nanostructures for the Removal of Acridine Orange and Coomassie Brilliant Blue R-250 Hazardous Dyes. Science of Advanced Materials, 2013, 5, 1886-1894.	0.1	23
50	Investigating the structural integrity of Bovine serum albumin in presence of newly synthesized metallosurfactants. Colloids and Surfaces B: Biointerfaces, 2018, 164, 116-124.	2.5	22
51	Reversible Hydrogen Storage Using Nanocomposites. Applied Sciences (Switzerland), 2020, 10, 4618.	1.3	22
52	Thermodynamic, transport, and spectroscopic studies for mixtures of isomeric butanediol and N-methyl-2-pyrrolidinone. Journal of Chemical Thermodynamics, 2009, 41, 1329-1338.	1.0	21
53	Bare and cationic surfactants capped tungsten trioxide nanoparticles based hydrazine chemical sensors: A comparative study. Sensors and Actuators B: Chemical, 2016, 230, 571-580.	4.0	21
54	Amphiphilic metallosurfactants as potential scaffolds for facile fabrication of PdO-NiO nanocomposites for environmentally benign synthesis of xanthene derivatives. Materials Today Chemistry, 2019, 14, 100194.	1.7	21

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55	Tuning of structural, optical and toxicological properties of Gd <sup>3+</sup> doped Yb <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Ceramics International</i> , 2019, 45, 19307-19315.	2.3	20
56	Distinctive Solvatochromic Response of Fluorescent Carbon Dots Derived from Different Components of Aegle Marmelos Plant. <i>Engineered Science</i> , 2021, , .	1.2	20
57	Ethylene Glycol Functionalized Gadolinium Oxide Nanoparticles as a Potential Electrochemical Sensing Platform for Hydrazine and p-Nitrophenol. <i>Coatings</i> , 2019, 9, 633.	1.2	19
58	Synthesis, thermal and surface activity of cationic single chain metal hybrid surfactants and their interaction with microbes and proteins. <i>Soft Matter</i> , 2019, 15, 2348-2358.	1.2	19
59	Green chemistry-assisted synthesis of biocompatible Ag, Cu, and Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Materials Today Chemistry</i> , 2020, 15, 100214.	1.7	19
60	Rapid Analysis of Trace Sulphite Ion Using Fluorescent Carbon Dots Produced from Single Use Plastic Cups. <i>Engineered Science</i> , 2021, , .	1.2	19
61	Molecular interactions of 1,3-alkanediols in pyrrolidin-2-one: Thermophysical and spectroscopic measurements. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 498-508.	1.0	18
62	Thermophysical and spectroscopic studies of room temperature ionic liquid, 1-butyl-3-methylimidazolium hexafluorophosphate in Tritons. <i>Journal of Chemical Thermodynamics</i> , 2012, 50, 63-70.	1.0	18
63	Applications of Surface Modified Ionic Liquid/Nanomaterial Composite in Electrochemical Sensors and Biosensors. <i>BioNanoScience</i> , 2013, 3, 241-253.	1.5	18
64	Role of manganese-based surfactant towards solubilization and photophysical properties of fluorescein. <i>RSC Advances</i> , 2016, 6, 7066-7077.	1.7	18
65	Fluorescein-Metal Hybrid Surfactant Conjugates as a Smart Material for Antimicrobial Photodynamic Therapy against <i>Staphylococcus aureus</i> . <i>ACS Applied Bio Materials</i> , 2020, 3, 4674-4683.	2.3	18
66	Assessing the potential application of bio-compatibly tuned nanosensor of Yb <sub>2</sub> O <sub>3</sub> for selective detection of imazapyr in real samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 593, 124612.	2.3	18
67	Physicochemical Properties of New Formulations of 1-Ethyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide with Tritons. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 3988-3999.	1.0	17
68	Cholesterol-induced physicochemical changes in dodecylamine-based metallosomes: drug entrapping ability and interactions with biological molecules. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3679-3691.	2.9	17
69	Well-Crystalline Ag <sub>2</sub> S-Fe <sub>2</sub> O <sub>3</sub> Nanoparticles for Hydrazine Chemical Sensor Application. <i>Science of Advanced Materials</i> , 2011, 3, 962-967.	0.1	17
70	Structural and interactional studies of homologous series of 1,3-alkanediols in N,N-dimethylformamide. <i>Journal of Chemical Thermodynamics</i> , 2007, 39, 781-790.	1.0	16
71	Dodecyl ethyl dimethyl ammonium bromide capped WO <sub>3</sub> nanoparticles: efficient scaffolds for chemical sensing and environmental remediation. <i>Dalton Transactions</i> , 2015, 44, 17251-17260.	1.6	16
72	Fluorescent carbon dots from Indian Bael patra as effective sensing tool to detect perilous food colorant. <i>Food Chemistry</i> , 2022, 373, 131492.	4.2	16

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73	Spherical silver oxide nanoparticles for fabrication of electrochemical sensor for efficient 4-Nitrotoluene detection and assessment of their antimicrobial activity. <i>Science of the Total Environment</i> , 2022, 808, 152179.	3.9	16
74	Fabrication of metalosomes (metal containing cationic liposomes) using single chain surfactants as a precursor via formation of inorganic organic hybrids. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25764-25773.	1.3	15
75	Chromium-based metallosurfactants: synthesis, physicochemical characterization and probing of their interactions with xanthene dyes. <i>New Journal of Chemistry</i> , 2018, 42, 1141-1150.	1.4	15
76	Direct redox sensing of uranium using copper oxide quantum dots. <i>Journal of Molecular Liquids</i> , 2019, 292, 111455.	2.3	15
77	Metallosurfactants derived Pd-NiO nanocomposite for remediation of nitrophenol in water. <i>Journal of Molecular Liquids</i> , 2019, 288, 111018.	2.3	15
78	Efficient Photodynamic Therapy against Gram-Positive and Gram-Negative Bacteria Using Rose Bengal Encapsulated in Metallocatanionic Vesicles in the Presence of Visible Light. <i>ACS Applied Bio Materials</i> , 2020, 3, 8515-8524.	2.3	15
79	Behavior of papain in mixed micelles of anionic-cationic surfactants having similar tails and dissimilar head groups. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 105-111.	5.0	14
80	Optimization and utilization of single chain metallocatanionic vesicles for antibacterial photodynamic therapy (aPDT) against <i>E. coli</i> . <i>Journal of Materials Chemistry B</i> , 2020, 8, 9304-9313.	2.9	14
81	Evaluation of bio corrosion-resistant and antifouling properties of gold metallosurfactant monolayer on galvanised steel in simulated sea media inoculated with halophiles. <i>Corrosion Science</i> , 2021, 179, 109102.	3.0	14
82	Assessment of bio-corrosion inhibition ability of Hafnium based cationic metallosurfactant on iron surface. <i>Corrosion Science</i> , 2021, 179, 109101.	3.0	13
83	Voltammetric detection of vitamin D employing Au-MoS <sub>2</sub> hybrid as immunosensing platform. <i>Mikrochimica Acta</i> , 2021, 188, 222.	2.5	13
84	Structural and interactional behaviour of aqueous mixture of room temperature ionic liquid; 2-hydroxyethyl-trimethylammonium lactate. <i>Journal of Chemical Thermodynamics</i> , 2014, 76, 134-144.	1.0	12
85	The study of molecular interactions of aqueous solutions of Choline Acetate at different temperatures. <i>Journal of Molecular Liquids</i> , 2019, 286, 110878.	2.3	12
86	A study of synthesis, characterization and metalloplex formation ability of cetylpyridinium chloride based metalosomes. <i>Journal of Molecular Liquids</i> , 2020, 300, 112326.	2.3	12
87	Pr@Cd <sub>2</sub> O <sub>3</sub> nanoparticles: An effective fluorescence sensor for herbicide 2,4-dichlorophenoxyacetic acid. <i>Journal of Molecular Liquids</i> , 2021, 324, 114712.	2.3	12
88	Advances and Perspective on Antimicrobial Nanomaterials for Biomedical Applications. <i>Frontiers in Nanotechnology</i> , 2022, 4, .	2.4	12
89	Electro-active silver oxide nanocubes for label free direct sensing of bisphenol A to assure water quality. <i>Materials Today Chemistry</i> , 2020, 16, 100267.	1.7	11
90	Fe <sub>3</sub> O <sub>4</sub> /NiO Nanospindles for Environmental Remediation: A Study on the Adsorption and Desorption Characteristics of Acridine Orange and Direct Red Dyes. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 3545-3551.	0.9	10

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91	Probing molecular interactions between Choline Acetate Ionic Liquid and Alcohols: A comparable thermophysical study of Choline Acetate Ionic Liquid with change in solvent polarities. Journal of Molecular Liquids, 2020, 298, 112061.	2.3	10
92	Modulating physicochemical properties in Gd <sup>3+</sup> @Yb <sub>2</sub> O <sub>3</sub> nanospheres for efficient electrochemical monitoring of H <sub>2</sub> O <sub>2</sub> . Materials Science and Engineering C, 2020, 114, 111059.	3.8	10
93	Enhanced antimicrobial photodynamic activity of photosensitizer encapsulated copper based metalloctanionic vesicles against E.coli using visible light. Journal of Molecular Liquids, 2021, 324, 114688.	2.3	10
94	Seed germination studies on Chickpeas, Barley, Mung beans and Wheat with natural biomass and plastic waste derived C-dots. Science of the Total Environment, 2022, 837, 155593.	3.9	10
95	Effect of $\beta$ -cyclodextrin on the behaviour of thermophysical and spectroscopic properties of binary mixtures of (isomeric butanediol+pyrrolidin-2-one). Journal of Chemical Thermodynamics, 2013, 57, 266-275.	1.0	9
96	Volumetric and acoustic approach for investigating molecular interactions of choline acetate ionic liquid in $\beta$ -alkanedioles at different temperatures. Journal of Molecular Liquids, 2020, 312, 113330.	2.3	9
97	Tuning the surface using palladium based metallosurfactant for hydrogen evolution reaction. Journal of Colloid and Interface Science, 2021, 582, 894-905.	5.0	9
98	Energy Storage in Earth-Abundant Dolomite Minerals. Applied Sciences (Switzerland), 2020, 10, 6679.	1.3	9
99	Highly-sensitive and selective non-enzymatic L-cysteine sensor based on 3-mercaptopropyl trimethoxysilane functionalized Gd <sub>2</sub> O <sub>3</sub> nanoparticles. Journal of Alloys and Compounds, 2022, 905, 164059.	2.8	9
100	Evaluation of corrosion resistant, antimicrobial and cytocompatible behaviour of cobalt based metallosurfactants self-assembled monolayers on 316L stainless steel surface. Surface and Coatings Technology, 2022, 444, 128657.	2.2	9
101	Synthesis of $\beta$ -Heterocycle Anchored Spirocyclic Azetidinones in a Minute by <i>in situ</i> TSA Catalyzed Cyclocondensation of Azetidinones with Difunctionalized Substrates. ChemistrySelect, 2021, 6, 3932-3940.	0.7	8
102	Choline acetate modified ZnO nanostructure as efficient electrochemical sensor for hydrazine detection. Electrochimica Acta, 2022, 419, 140384.	2.6	8
103	Influence of substitution in the aromatic ring on the behaviour of thermodynamic properties of pyrrolidin-2-one and aromatic hydrocarbons. Journal of Molecular Liquids, 2004, 111, 133-140.	2.3	7
104	Structural and SAXS analysis of protein folding/unfolding with cationic single chain metallosurfactants. Journal of Molecular Liquids, 2018, 271, 157-165.	2.3	7
105	Synthesis and characterization of some $\beta$ -naphthyl selenium/tellurium derivatives: X-ray crystal structure of benzyl-1-naphthyl selenide and diphenylmethyl-1-naphthyl selenide. Journal of Organometallic Chemistry, 2006, 691, 621-628.	0.8	6
106	An investigation of morphological, microscopic dynamics, fluidity, and physicochemical variations in Cu-decorated metallosomes with cholesterol. Journal of Molecular Liquids, 2020, 318, 114034.	2.3	6
107	Efficient Photocatalytic Degradation of Victoria Blue R and Fast Green FCF Dyes Using $\beta$ -Fe <sub>2</sub> O <sub>3</sub> and Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. Nanoscience and Nanotechnology Letters. 2016, 8, 965-971.	0.4	6
108	Green-monodispersed Pd-nanoparticles for improved mitigation of pathogens and environmental pollutant. Materials Today Communications, 2022, 30, 103106.	0.9	6

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109	Gemini Surfactant Mediated Catansomes for Enhanced Singlet Oxygen Generation of Rose Bengal and Their Phototoxicity against Cancer Cells. ACS Biomaterials Science and Engineering, 2022, 8, 1878-1891.	2.6	6
110	Effects of progressive addition of oxyethylene groups on the thermodynamic properties of pyrrolidin-2-one and Tritons. Journal of Molecular Liquids, 2005, 122, 21-27.	2.3	5
111	Fast and Efficient Removal of Hazardous Congo Red from Its Aqueous Solution Using $\beta$ -Fe <sub>2</sub> O <sub>3</sub> Nanoparticles. Journal of Nanoengineering and Nanomanufacturing, 2013, 3, 142-146.	0.3	5
112	Aggregation behavior of Dioctadecyldimethylammonium chloride in mixed cationic surfactant system. Journal of Molecular Liquids, 2014, 198, 37-43.	2.3	5
113	A study of the spectral behaviour of Eosin dye in three states of metallosurfactants: Monomeric, micelles and metallosomes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125697.	2.3	5
114	Development of Environmental Nanosensors for Detection Monitoring and Assessment. , 2021, , 91-143.		5
115	Preferential and Enhanced Adsorption Ability of ZrO <sub>2</sub> Nanoparticles for the Removal of Cationic, Anionic and Azo Dyes: Isotherm and Kinetic Studies. Journal of Nanoscience and Nanotechnology, 2019, 19, 7221-7228.	0.9	4
116	Cleaner way for overall water splitting reaction by using palladium and cobalt based nanocomposites prepared from mixed metallosurfactants. Applied Surface Science, 2021, 556, 149769.	3.1	4
117	Stereoselective synthesis and <i>in-silico</i> evaluation of C4-benzimidazolyloxyphenyl substituted <i>trans</i> - $\beta$ -lactam derivatives as promising novel PPAR $\beta$ activators. Synthetic Communications, 2021, 51, 3758-3767.	1.1	4
118	Metallocatanionic vesicle-mediated enhanced singlet oxygen generation and photodynamic therapy of cancer cells. Journal of Materials Chemistry B, 2022, 10, 2160-2170.	2.9	4
119	Designing of surface engineered Ytterbium oxide nanoparticles as effective electrochemical sensing platform for dopamine. Journal of Molecular Liquids, 2022, 355, 118929.	2.3	4
120	Investigating the structural and conformational behavior of HEWL in the presence of iron metallosurfactant and sodium oleate metallo-catanionic aggregates. Journal of Molecular Liquids, 2020, 320, 114397.	2.3	3
121	Equilibrium data, kinetics and process design for the adsorptive removal of safranin-o by activated carbons. Materials Today: Proceedings, 2021, 45, 5479-5482.	0.9	3
122	Multicomponent Gold Hybrid Structures: Synthesis and Applications. Reviews in Advanced Sciences and Engineering, 2012, 1, 103-118.	0.6	3
123	Novel synthesis of amorphous CP@HfO <sub>2</sub> nanomaterials for high-performance electrochemical sensing of 2-naphthol. Journal of Nanostructure in Chemistry, 2023, 13, 423-438.	5.3	3
124	Assessment of structural integrity of lysozyme in the presence of newly formed uni/multivesicular metallosomes. Journal of Molecular Liquids, 2021, 340, 116871.	2.3	2
125	Comparative scrutinize of BSA and HEWL in the vicinity of metallo-catanionic aggregates derived from single chain metallosurfactant and anionic surfactant. Journal of Molecular Liquids, 2022, 345, 117818.	2.3	2
126	Assessing the structural and interaction behaviour of Pr@Gd <sub>2</sub> O <sub>3</sub> nanoparticles with biological entities. Materials Chemistry and Physics, 2021, 276, 125416.	2.0	2



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127	Design and applications of metallo-vesicular structures using inorganic-organic hybrids. <i>Advances in Colloid and Interface Science</i> , 2022, 302, 102621.	7.0	2
128	Solubilization efficiency of mixed cationic aggregates towards aromatic compounds. <i>Fluid Phase Equilibria</i> , 2014, 375, 340-346.	1.4	1
129	Effect of position of OH group in isomeric butanediols on intermolecular interaction with Choline Acetate: A thermodynamic study at different temperatures. <i>Journal of Molecular Liquids</i> , 2021, 336, 116565.	2.3	1
130	Removal of Coomassie Brilliant Blue R-250 Dye from Water Using $\text{Fe}_3\text{O}_4$ Nanoparticles. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2012, 2, 304-308.	0.3	1
131	Transformation of waste rice straw to carbon quantum dots and their potential chemical sensing application: green and sustainable approach to overcome stubble burning issues. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	1
132	Metallosurfactant based synthetic liposomes as a substitute for phospholipids to safely store curcumin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 217, 112621.	2.5	1
133	Effect of fabrication strategies on the in-vitro antimicrobial and antifungal activities of $\text{Pr}^{3+}$ doped $\text{Ce}_2\text{O}_3$ nanoparticles. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100518.	1.7	0