

Maqsood Malik

List of Publications by Year in descending order

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79
papers

2,807
citations

218381

26
h-index

189595

50
g-index

80
all docs

80
docs citations

80
times ranked

3210
citing authors

#	ARTICLE	IF	CITATIONS
1	Microemulsion method: A novel route to synthesize organic and inorganic nanomaterials. <i>Arabian Journal of Chemistry</i> , 2012, 5, 397-417.	2.3	462
2	Biosynthesis of iron nanoparticles using <i>Trigonella foenum-graecum</i> seed extract for photocatalytic methyl orange dye degradation and antibacterial applications. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 183, 154-163.	1.7	202
3	Ionic liquids in supported liquid membrane technology. <i>Chemical Engineering Journal</i> , 2011, 171, 242-254.	6.6	165
4	Chitosan as a Novel Edible Coating for Fresh Fruits. <i>Food Science and Technology Research</i> , 2013, 19, 139-155.	0.3	96
5	Tetrazoles as carboxylic acid isosteres: chemistry and biology. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 78, 15-37.	0.9	95
6	Facile biofabrication of silver nanoparticles using <i>Salvia officinalis</i> leaf extract and its catalytic activity towards Congo red dye degradation. <i>Journal of Materials Research and Technology</i> , 2020, 9, 10031-10044.	2.6	89
7	Biofabrication of Fe nanoparticles in aqueous extract of <i>Hibiscus sabdariffa</i> with enhanced photocatalytic activities. <i>RSC Advances</i> , 2017, 7, 25149-25159.	1.7	85
8	Synthesis, Structure Optimization and Antifungal Screening of Novel Tetrazole Ring Bearing Acyl-Hydrazones. <i>International Journal of Molecular Sciences</i> , 2012, 13, 10880-10898.	1.8	79
9	Biogenic fabrication of ZnO nanoparticles using <i>Trigonella foenum-graecum</i> (Fenugreek) for proficient photocatalytic degradation of methylene blue under UV irradiation. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16156-16173.	1.1	79
10	Green Synthesis of Zinc Oxide Nanoparticles Using <i>Salvia officinalis</i> Leaf Extract and Their Photocatalytic and Antifungal Activities. <i>Biology</i> , 2021, 10, 1075.	1.3	69
11	Bimetallic Ag-Ni nanoparticles as an effective catalyst for hydrogen generation from hydrolysis of sodium borohydride. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16452-16466.	3.8	67
12	Nanotoxicity: Dimensional and Morphological Concerns. <i>Advances in Physical Chemistry</i> , 2011, 2011, 1-15.	2.0	60
13	Green synthesis of silver nanoparticles from <i>Delonix regia</i> leaf extracts: In-vitro cytotoxicity and interaction studies with bovine serum albumin. <i>Materials Chemistry and Physics</i> , 2020, 242, 122493.	2.0	55
14	Extraction of Metal Ions by ELM Separation Technology. <i>Journal of Dispersion Science and Technology</i> , 2012, 33, 346-356.	1.3	53
15	Preparation of ultra long \pm -MnO ₂ and Ag@MnO ₂ nanoparticles by seedless approach and their photocatalytic performance. <i>Journal of Molecular Structure</i> , 2017, 1137, 495-505.	1.8	53
16	Effects of Date Palm fibres loading on mechanical, and thermal properties of Date Palm reinforced phenolic composites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 3614-3621.	2.6	52
17	Facile one-pot green synthesis of Ag-Fe bimetallic nanoparticles and their catalytic capability for 4-nitrophenol reduction. <i>Journal of Materials Research and Technology</i> , 2021, 12, 455-470.	2.6	52
18	Phytomediated Photo-Induced Green Synthesis of Silver Nanoparticles Using <i>Matricaria chamomilla</i> L. and Its Catalytic Activity against Rhodamine B. <i>Biomolecules</i> , 2020, 10, 1604.	1.8	42

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19	Facile Bio-Fabrication of Ag-Cu-Co Trimetallic Nanoparticles and Its Fungicidal Activity against <i>Candida auris</i> . <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 62.	1.5	37
20	Effect of rifampicin on the interfacial properties of imidazolium ionic liquids and its solubility therein. <i>Journal of Molecular Liquids</i> , 2019, 292, 111347.	2.3	33
21	Preparation of silver nanoparticles using tryptophan and its formation mechanism. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 81, 587-592.	2.5	32
22	Protein interactions with silver nanoparticles: Green synthesis, and biophysical approach. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 421-428.	3.6	32
23	Permanganate partitioning in cationic micelles of cetyltrimethylammonium bromide: A kinetic study of d-fructose oxidation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 299, 58-64.	2.3	31
24	Chitosan and Aloe Vera: Two Gifts of Nature. <i>Journal of Dispersion Science and Technology</i> , 2010, 31, 799-811.	1.3	31
25	Facile One-Pot Biogenic Synthesis of Cu-Co-Ni Trimetallic Nanoparticles for Enhanced Photocatalytic Dye Degradation. <i>Catalysts</i> , 2020, 10, 1138.	1.6	30
26	Twin-free, directly synthesized MFI nanosheets with improved thickness uniformity and their use in membrane fabrication. <i>Science Advances</i> , 2022, 8, eabm8162.	4.7	30
27	Submicellar catalytic effect of cetyltrimethylammonium bromide in the oxidation of ethylenediaminetetraacetic acid by MnO_4^- . <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 64, 42-48.	2.5	28
28	Synthesis, characterization and mixed micellization study of benzene sulphonate based gemini surfactant with sodium dodecyl sulphate. <i>Journal of Molecular Liquids</i> , 2019, 285, 270-278.	2.3	28
29	A kinetic study of silver nanoparticles formation from paracetamol and silver(I) in aqueous and micellar media. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 78, 109-114.	2.5	26
30	Oxidation of tyrosine by permanganate in presence of cetyltrimethylammonium bromide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 76, 346-353.	2.5	26
31	Bioengineered <i>Matricaria recutita</i> Extract-Assisted Palladium Nanoparticles for the Congo Red Dye Degradation and Catalytic Reduction of 4-Nitrophenol to 4-Aminophenol. <i>Toxics</i> , 2021, 9, 103.	1.6	26
32	Silver Nanoparticles: Green Route, Stability and Effect of Additives. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2011, 02, 390-399.	1.0	25
33	Design and Preparation of Biomass-Derived Activated Carbon Loaded TiO_2 Photocatalyst for Photocatalytic Degradation of Reactive Red 120 and Ofloxacin. <i>Polymers</i> , 2022, 14, 880.	2.0	25
34	Comparative effect of cationic gemini surfactant and its monomeric counterpart on the conformational stability of phospholipase A2. <i>Journal of Molecular Structure</i> , 2019, 1175, 49-55.	1.8	24
35	Role of surfactants: One step facile synthesis of hetero structured Ag-Ni alloy by seed less approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 540, 36-47.	2.3	23
36	Phytogenic Fabrication of Ag-Fe Bimetallic Nanoparticles for Cell Cycle Arrest and Apoptosis Signaling Pathways in <i>Candida auris</i> by Generating Oxidative Stress. <i>Antioxidants</i> , 2021, 10, 182.	2.2	23

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37	Kinetics of oxidation of d-glucose by permanganate in aqueous solution of cetyltrimethylammonium bromide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 337, 9-14.	2.3	21
38	Effect of adiphenine hydrochloride on the structure of bovine serum albumin: Spectroscopic and docking study. <i>Journal of Molecular Structure</i> , 2020, 1201, 127168.	1.8	21
39	Effect of bovine serum albumin on the surface properties of ionic liquid-type Gemini surfactant. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 1462-1468.	1.3	20
40	Cobalt@silver bimetallic nanoparticles: Solution based seedless surfactant assisted synthesis, optical properties, and morphology. <i>Journal of Molecular Liquids</i> , 2016, 222, 272-278.	2.3	19
41	Micellization and Thermodynamic Properties of Cationic Surfactant Cetyltrimethylammonium Bromide in non-Aqueous Mixture of Lauric Acid. <i>International Journal of Electrochemical Science</i> , 2017, 12, 4528-4542.	0.5	19
42	Biogenic synthesis, in-vitro cytotoxicity, esterase activity and interaction studies of copper oxide nanoparticles with lysozyme. <i>Journal of Materials Research and Technology</i> , 2021, 13, 2066-2077.	2.6	19
43	Kinetics of MnO_4^- oxidation of succinic acid in aqueous solution of cetyltrimethylammonium bromide. <i>International Journal of Chemical Kinetics</i> , 2010, 42, 704-712.	1.0	18
44	Seedless synthesis and efficient recyclable catalytic activity of Ag@Fe nanocomposites towards methyl orange. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 255-271.	1.6	18
45	Role of cetyltrimethylammonium bromide (cationic surfactant) on the tryptophan- MnO_4^- reaction. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 72, 253-258.	2.5	17
46	ESTIMATION OF EXCESS MOLAR VOLUMES, THEORETICAL VISCOSITIES, AND ULTRASONIC SPEEDS OF BINARY LIQUID MIXTURES AT DIFFERENT TEMPERATURES. <i>Chemical Engineering Communications</i> , 2013, 200, 77-92.	1.5	17
47	A review of molecular interactions in organic binary mixtures. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 1505-1517.	1.2	17
48	Synthesis, Characterization, Electrochemical Studies, and In Vitro Antibacterial Activity of Novel Thiosemicarbazone and Its Cu(II), Ni(II), and Co(II) Complexes. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	0.8	16
49	Iron oxide supported sulfated TiO ₂ nanotube catalysts for NO reduction with propane. <i>Ceramics International</i> , 2014, 40, 4039-4053.	2.3	16
50	Micellization, anti-proliferative activity and binding study of cationic gemini surfactants with calf thymus DNA. <i>Colloids and Interface Science Communications</i> , 2020, 34, 100221.	2.0	16
51	Polyphenol-Capped Biogenic Synthesis of Noble Metallic Silver Nanoparticles for Antifungal Activity against <i>Candida auris</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 639.	1.5	16
52	Natural dye bolaform sugar-based surfactant: Self aggregation and mixed micellization with ionic surfactants. <i>Dyes and Pigments</i> , 2016, 131, 168-176.	2.0	15
53	Effect of cationic micelles of cetyltrimethylammonium bromide on the MnO_4^- oxidation of valine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 366, 129-134.	2.3	14
54	Biogenic ZnO Nanoparticles Synthesized from <i>Origanum vulgare</i> Abrogates Quorum Sensing and Biofilm Formation in Opportunistic Pathogen <i>Chromobacterium violaceum</i> . <i>Pharmaceutics</i> , 2021, 13, 1743.	2.0	13

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55	Kinetics of silver nanoparticle growth in aqueous polymer solutions. <i>Arabian Journal of Chemistry</i> , 2012, 5, 453-459.	2.3	12
56	Beta vulgaris Assisted Fabrication of Novel Ag-Cu Bimetallic Nanoparticles for Growth Inhibition and Virulence in <i>Candida albicans</i> . <i>Pharmaceutics</i> , 2021, 13, 1957.	2.0	12
57	A kinetic study of the oxidation of l-methionine by water soluble colloidal MnO ₂ . <i>Colloid and Polymer Science</i> , 2007, 285, 1169-1173.	1.0	10
58	Permanganate transfer and reduction by D-glucose in benzene-cetyltrimethylammoniumbromide aqueous solution: A kinetic study. <i>International Journal of Chemical Kinetics</i> , 2008, 40, 496-503.	1.0	10
59	Biocompatible natural sugar-based surfactant assisted oxidation of citric acid by MnO ₄ ⁻ in absence and presence of SDS. <i>RSC Advances</i> , 2016, 6, 45993-46001.	1.7	10
60	Micellar and salt kinetic effects upon the reaction of MnO ₄ ⁻ with glucose in benzene-cetyltrimethylammoniumbromide aqueous solution: A kinetic study. <i>Journal of Saudi Chemical Society</i> , 2011, 15, 221-228.	2.4	7
61	Anticorrosion Efficiency of Cetyltrimethylammonium bromide, Sodium Dodecyl Sulfate and Tx-100 on Carbon Steel in Acidic Medium. <i>Science of Advanced Materials</i> , 2011, 3, 912-918.	0.1	7
62	Micellar Catalysis on the Redox Reaction of Ascorbic Acid-Vanadium(V) System. <i>Journal of Dispersion Science and Technology</i> , 2008, 29, 1396-1400.	1.3	6
63	Densities, Refractive Indices and Ultrasonic Speeds of N,N-dimethylformamide+Acetone Binary Mixtures at Different Temperatures. <i>Chemical Engineering Communications</i> , 2015, 202, 885-891.	1.5	6
64	Effect of Cetyltrimethylammonium Bromide on the Oxidation of Phthalic Acid by in Aqueous Medium. <i>Journal of Dispersion Science and Technology</i> , 2010, 32, 35-40.	1.3	5
65	Micelles-Assisted Oxidation of Isoleucine: A Kinetic Study. <i>Journal of Dispersion Science and Technology</i> , 2011, 32, 1173-1178.	1.3	5
66	Role of cationic gemini surfactants (m-s-m type) on the oxidation of d-glucose by permanganate. <i>Journal of Molecular Liquids</i> , 2016, 216, 538-544.	2.3	5
67	Bioactive Macrocyclic Ni(II) Metal Complex: Synthesis, Spectroscopic Elucidation, and Antimicrobial Studies. <i>Polycyclic Aromatic Compounds</i> , 2019, , 1-16.	1.4	5
68	Thermodynamic insights into molecular interactions of sodium lauryl sulfate (SLS) with caffeine and theophylline in aqueous media at different temperatures. <i>Journal of Molecular Liquids</i> , 2020, 305, 112776.	2.3	4
69	Effect of Mn(II) and Ce(IV) Ions on the Oxidation of Lactic Acid by Chromic Acid. <i>Acta Physico-chimica Sinica</i> , 2007, 23, 1013-1017.	0.6	3
70	Kinetics and Mechanism of Paracetamol Oxidation by Chromium(VI) in Absence and Presence of Manganese(II) and Sodiumdodecyl Sulphate. <i>Research Letters in Physical Chemistry</i> , 2007, 2007, 1-5.	0.3	3
71	Diperiodatoargentate(III) Oxidation of D-Galactose in Absence and Presence of Anionic and Cationic Surfactants. <i>Journal of Dispersion Science and Technology</i> , 2009, 31, 50-56.	1.3	3
72	Microwave Assisted Synthesis, Spectral and Antifungal Studies of 2-Phenyl-N,N-bis(pyridin-4-ylcarbonyl)butanediamide Ligand and Its Metal Complexes. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	0.8	3

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73	Design, Spectroscopic Characterization, Electrical Conductivity and Molecular Modelling Studies of Biologically Puissant Co(II) and Ni(II) Complexes of N,N'-bis(furan-2-ylmethyl)benzene-1,2-dicarboxamide. International Journal of Electrochemical Science, 2016, , 7282-7307.	0.5	3
74	Prediction of viscosities and COSMO-RS analyses in binary mixtures of N,N-dimethylformamide with acetone. Physics and Chemistry of Liquids, 2017, 55, 264-275.	0.4	3
75	Trimethylamine N-oxide alters structure-function integrity of β -casein: Structural disorder co-regulates the aggregation propensity and chaperone activity. International Journal of Biological Macromolecules, 2021, 182, 921-930.	3.6	3
76	Excess Molar Volumes, Theoretical Viscosities and Ultrasonic Speeds of Binary Mixtures at 298.15 K and 303.15 K. Asian Journal of Chemistry, 2015, 27, 1815-1822.	0.1	2
77	Effect of Mn Concentration on the Structural, Ferroelectric, Optical, and Magnetic Properties of BiFeO ₃ Nanoparticles. Crystals, 2022, 12, 704.	1.0	2
78	Antimicrobial and antioxidant studies of novel mixed-metal complexes of benzoyl-aminoethanoic acid-nicotinamide: Microwave-assisted green synthesis, spectroscopic characterization and molecular modeling. Tropical Journal of Pharmaceutical Research, 2018, 17, 865.	0.2	1
79	DFT Calculations of Vibrational Frequencies of Aluminum and Phosphorous Doped-Carbon Clusters. Asian Journal of Chemistry, 2013, 25, 4735-4740.	0.1	0