

Surinder Mehta

List of Publications by Year in descending order

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310
papers

10,211
citations

25034

57
h-index

60623

81
g-index

322
all docs

322
docs citations

322
times ranked

12092
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of Î±-Tocopherol based nanoemulsion for efficacious delivery of Methotrexate. Journal of Dispersion Science and Technology, 2023, 44, 1490-1499.	2.4	1
2	Development of nanostructured lipid carriers as a promising tool for methotrexate delivery: physicochemical and <i>in vitro</i> evaluation. Journal of Biomolecular Structure and Dynamics, 2023, 41, 2747-2758.	3.5	4
3	Metal Chalcogenide Nanomaterials Based Supercapacitors. , 2022, , 599-607.		2
4	Development of Phosphatidylcholine/Tween 80 based biocompatible clove oil-in-water nanoemulsion as a green nanocarrier for controlled herbicide delivery. Environmental Pollution, 2022, 293, 118558.	7.5	11
5	A luminescent Zn-MOF for the detection of explosives and development of fingerprints. Analytical Methods, 2022, 14, 700-707.	2.7	18
6	Combined delivery of TLR2 and TLR7 agonists by Nanostructured lipid carriers induces potent vaccine adjuvant activity in mice. International Journal of Pharmaceutics, 2022, 613, 121378.	5.2	6
7	Exploring the surfactant structure efficacy in controlling growth and stability of HgS nanoparticles in aqueous medium. Chemical Physics Impact, 2022, 4, 100070.	3.5	3
8	Stereoisomeric Pam ₂ CS based TLR2 agonists: synthesis, structural modelling and activity as vaccine adjuvants. RSC Medicinal Chemistry, 2022, 13, 622-637.	3.9	4
9	TLR2 agonistic lipopeptide enriched PLGA nanoparticles as combinatorial drug delivery vehicle. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 647, 129084.	4.7	3
10	Chitosan Hydrogels with Embedded Thermo- and pH-Responsive Microgels as a Potential Carrier for Controlled Release of Drugs. ACS Applied Bio Materials, 2022, 5, 3487-3499.	4.6	5
11	Exploration of synthesis, structural aspects, DFT studies and bio-efficacy of some new DHA-benzohydrazide based copper(II) complexes. Journal of Molecular Structure, 2021, 1228, 129460.	3.6	10
12	Synthesis and characterization of 1D-Co/Zn MOFs having potential for efficient dye adsorption from wastewater. Journal of Molecular Structure, 2021, 1226, 129327.	3.6	39
13	Crystal chemistry and physicochemical investigation of aliovalent substituted SnO ₂ nanoparticles. Vacuum, 2021, 184, 109925.	3.5	9
14	Proficiency of nanostructured lipid carriers for the formulation of amphiphilic bile acid oligomers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 611, 125841.	4.7	5
15	TLR2 Agonistic Small Molecules: Detailed Structure-Activity Relationship, Applications, and Future Prospects. Journal of Medicinal Chemistry, 2021, 64, 233-278.	6.4	26
16	Hematite dysprosium oxide nanocomposites biosynthesized via greener route for ciprofloxacin removal and antimicrobial activity. Journal of Nanostructure in Chemistry, 2021, 11, 437-453.	9.1	19
17	Eucalyptus Oil-Based Nanoemulsion: A Potent Green Nanowagon for Controlled Delivery of Emamectin Benzoate. ACS Agricultural Science and Technology, 2021, 1, 76-88.	2.3	10
18	Biosynthesis of silver nanospheres, kinetic profiling and their application in the optical sensing of mercury and chlorite ions in aqueous solutions. Environmental Research, 2021, 197, 111142.	7.5	10

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19	A Chronological Overview Of Analytical Techniques In Forensic Identification Of Printing Toners. TrAC - Trends in Analytical Chemistry, 2021, 144, 116450.	11.4	2
20	The multifaceted dimensions of potent nanostructures: a comprehensive review. Materials Chemistry Frontiers, 2021, 5, 2967-2995.	5.9	6
21	Experimental and Computational Validation of Structural Features and BSA Binding Tendency of 5-Hydroxy-5-trifluoromethyl-3-arylpyrazolines**. ChemistrySelect, 2021, 6, 10324-10335.	1.5	12
22	New approach for fabrication of vertically oriented ZnO based field emitter derived from waste primary batteries. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 274, 115480.	3.5	2
23	Spherical MoO ₃ Nanoparticles for Photocatalytic Removal of Eriochrome Black T. ACS Applied Nano Materials, 2021, 4, 12766-12778.	5.0	11
24	Niosomes as efficient drug delivery modules for encapsulation of Toll-like receptor 7 agonists and IDO-inhibitor. Applied Surface Science, 2020, 505, 144078.	6.1	20
25	Highly photoluminescent and pH sensitive nitrogen doped carbon dots (NCDs) as a fluorescent sensor for the efficient detection of Cr (VI) ions in aqueous media. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 227, 117572.	3.9	50
26	Solvothermal assisted phosphate functionalized graphitic carbon nitride quantum dots for optical sensing of Fe ions and its thermodynamic aspects. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117773.	3.9	26
27	Role of nanomaterials as adsorbents in heavy metal ion removal from waste water: A review. Journal of Water Process Engineering, 2020, 33, 101038.	5.6	310
28	Synthesis, Crystal and DFT studies of Zn/Co complexes of Dehydroacetic acid using ligand exchange approach. Inorganic Chemistry Communication, 2020, 122, 108280.	3.9	8
29	Amine-functionalized titanium metal-organic framework (NH ₂ -MIL-125(Ti)): A novel fluorescent sensor for the highly selective sensing of copper ions. Materials Chemistry and Physics, 2020, 254, 123539.	4.0	56
30	Surface engineering of nanoparticles anchored meso-macroporous silica heterostructure: An efficient adsorbent for DNA. Materials Chemistry and Physics, 2020, 255, 123541.	4.0	10
31	Low Temperature Hydrothermal Method for Synthesis of Crystalline Fe ₂ O ₃ and their Oxygen Evolution Performance. Electroanalysis, 2020, 32, 2528-2534.	2.9	12
32	Catalyst free enantioselective amination via S _N 2 nucleophilic substitution reaction: a computational study. Molecular Simulation, 2020, 46, 942-946.	2.0	0
33	Yb(OTf) ₃ -Catalyzed and Di- <i>tert</i> -butyl Dicarboxylate-Mediated Decarboxylative Etherification and Esterification Reactions. ACS Omega, 2020, 5, 21007-21014.	3.5	3
34	Reply to the "Comment on "Physicochemical stimuli as tuning parameters to modulate the structure and stability of nanostructured lipid carriers and release kinetics of encapsulated antileprosy drugs" by J. Kang and A. M. Kang, J. Mater. Chem. B, 2020, 8, DOI: 10.1039/D0TB01160F. Journal of Materials Chemistry B, 2020, 8, 10209-10210.	5.8	2
35	Bi ₂ WO ₆ /C-Dots/TiO ₂ : A Novel Z-Scheme Photocatalyst for the Degradation of Fluoroquinolone Levofloxacin from Aqueous Medium. Nanomaterials, 2020, 10, 910.	4.1	75
36	Curcumin nanoemulsion as a biocompatible medium to study the metal ion imbalance in a biological system. Journal of Molecular Liquids, 2020, 314, 113611.	4.9	6

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37	Graphene-Templated Cobalt Nanoparticle Embedded Nitrogen-Doped Carbon Nanotubes for Efficient Visible-Light Photocatalysis. <i>Crystal Growth and Design</i> , 2020, 20, 4627-4639.	3.0	30
38	A novel molybdenum oxide-carbon catalyst for wastewater remediation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14519-14527.	10.3	19
39	Dehydroacetic acid derived Schiff base as selective and sensitive colorimetric chemosensor for the detection of Cu(II) ions in aqueous medium. <i>Microchemical Journal</i> , 2020, 155, 104705.	4.5	32
40	Biofabrication of cerium oxide nanoparticles using emulsification for an efficient delivery of Benzyl isothiocyanate. <i>Applied Surface Science</i> , 2020, 510, 145011.	6.1	17
41	Effect of benzyl isothiocyanate encapsulated biocompatible nanoemulsion prepared via ultrasonication on microbial strains and breast cancer cell line MDA MB 231. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 596, 124732.	4.7	13
42	Mechanistic insights of enhanced photocatalytic efficiency of SnO ₂ -SnS ₂ heterostructures derived from partial sulphurization of SnO ₂ . <i>Separation and Purification Technology</i> , 2020, 242, 116835.	7.9	23
43	Inclusion Complexation and Coacervation to Fabricate Nanoencapsulated Foods. <i>Food Engineering Series</i> , 2020, , 97-123.	0.7	1
44	DL-Valine assisted fabrication of quercetin loaded CuO nanoleaves through microwave irradiation method: Augmentation in its catalytic and antimicrobial efficiencies. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020, 14, 100306.	2.9	5
45	Fabrication of novel carbon quantum dots modified bismuth oxide (Bi ₂ O ₃ /C-dots): Material properties and catalytic applications. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 227-237.	9.4	88
46	Photophysical deactivation behaviour of Rhodamine B using different graphite materials. <i>RSC Advances</i> , 2019, 9, 22320-22326.	3.6	4
47	Magnetically retrievable Ce-doped Fe ₃ O ₄ nanoparticles as scaffolds for the removal of azo dyes. <i>RSC Advances</i> , 2019, 9, 23129-23141.	3.6	37
48	Experimental validation of biocompatible nanostructured lipid carriers of sophorolipid: Optimization, characterization and in-vitro evaluation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 845-855.	5.0	18
49	Crystal structure, Hirshfeld surface, DFT and BSA binding studies of dihydropyrazole-1-thiocarboxamides. <i>Journal of Molecular Structure</i> , 2019, 1196, 662-675.	3.6	10
50	Ethylene Glycol Functionalized Gadolinium Oxide Nanoparticles as a Potential Electrochemical Sensing Platform for Hydrazine and p-Nitrophenol. <i>Coatings</i> , 2019, 9, 633.	2.6	19
51	Development of an off-on selective fluorescent sensor for the detection of Fe ³⁺ ions based on Schiff base and its Hirshfeld surface and DFT studies. <i>Journal of Molecular Liquids</i> , 2019, 296, 111814.	4.9	27
52	Fabrication of water soluble and luminescent Eu ₂ O ₃ nanoparticles for specific quantification of aromatic nitrophenols in aqueous media. <i>Chemical Physics Letters</i> , 2019, 736, 136799.	2.6	6
53	Enhanced solar light-mediated photocatalytic degradation of brilliant green dye in aqueous phase using BiPO ₄ nanospindles and MoS ₂ /BiPO ₄ nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 20741-20750.	2.2	17
54	Chitosan-Graphene Oxide Hydrogels with Embedded Magnetic Iron Oxide Nanoparticles for Dye Removal. <i>ACS Applied Nano Materials</i> , 2019, 2, 7379-7392.	5.0	103

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55	Understanding the role of co-surfactants in microemulsions on the growth of copper oxalate using SAXS. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 336-348.	2.8	20
56	Green Nanotechnology-Driven Drug Delivery Assemblies. <i>ACS Omega</i> , 2019, 4, 8804-8815.	3.5	94
57	Facile synthesis of sulfur and nitrogen codoped graphene quantum dots for optical sensing of Hg and Ag ions. <i>Chemical Physics Letters</i> , 2019, 730, 436-444.	2.6	32
58	The role of a weakly coordinating thioether group in ligation controlled molecular self-assemblies and their inter-conversions in Ni(II) complexes of L-methionine derived ligand. <i>New Journal of Chemistry</i> , 2019, 43, 11222-11232.	2.8	5
59	Protein (bovine serum albumin) driven copper selenide and copper telluride nanostructures: structural, optical and electrical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 11317-11326.	2.2	4
60	Biosynthesis of silver nanocrystals, their kinetic profile from nucleation to growth and optical sensing of mercuric ions. <i>Journal of Cleaner Production</i> , 2019, 228, 294-302.	9.3	25
61	Colorimetric detection of mercury ions based on anti-aggregation of gold nanoparticles using 3, 5-dimethyl-1-thiocarboxamidepyrazole. <i>Microchemical Journal</i> , 2019, 148, 299-305.	4.5	37
62	Flexible plasmonic graphene oxide/heterostructures for dual-channel detection. <i>Analyst</i> , The, 2019, 144, 3297-3306.	3.5	18
63	Metal Telluride Nanomaterials: Facile Synthesis, Properties and Applications for Third Generation Devices. <i>ChemistrySelect</i> , 2019, 4, 1943-1963.	1.5	23
64	Physicochemical stimuli as tuning parameters to modulate the structure and stability of nanostructured lipid carriers and release kinetics of encapsulated antileprosy drugs. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6539-6555.	5.8	10
65	pH-Sensing Strips Based on Biologically Synthesized Ly-MgO Nanoparticles. <i>ACS Omega</i> , 2019, 4, 21647-21657.	3.5	10
66	Effect of lipid chain length on nanostructured lipid carriers: Comprehensive structural evaluation by scattering techniques. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 95-104.	9.4	13
67	Reduced graphene oxide-CdS heterostructure: An efficient fluorescent probe for the sensing of Ag(I) and sunset yellow and a visible-light responsive photocatalyst for the degradation of levofloxacin drug in aqueous phase. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 143-158.	20.2	83
68	Systematic enumeration and proficient chemical sensing applications of Eu ³⁺ @CeO ₂ nanocrystals. <i>Materials Science and Engineering C</i> , 2019, 96, 263-271.	7.3	7
69	BiF ₃ octahedrons: A potential natural solar light active photocatalyst for the degradation of Rhodamine B dye in aqueous phase. <i>Materials Research Bulletin</i> , 2019, 112, 376-383.	5.2	25
70	Colorimetric chemosensor based on coumarin skeleton for selective naked eye detection of cobalt (II) ion in near aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2019, 280, 219-226.	7.8	69
71	Photoluminescent C-dots: An overview on the recent development in the synthesis, physicochemical properties and potential applications. <i>Journal of Alloys and Compounds</i> , 2018, 748, 818-853.	5.5	77
72	An efficient and scalable synthesis of potent TLR2 agonistic PAM ₂ CSK ₄ . <i>RSC Advances</i> , 2018, 8, 9587-9596.	3.6	9

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73	Visible-light driven photocatalytic degradation of brilliant green dye based on cobalt tungstate (CoWO ₄) nanoparticles. <i>Materials Chemistry and Physics</i> , 2018, 211, 335-342.	4.0	88
74	Exploring drying pattern of a sessile droplet of genomic DNA in the presence of hematite nanoparticles. <i>Scientific Reports</i> , 2018, 8, 6352.	3.3	11
75	Chitosan nanoparticles as a biocompatible and efficient nanowagon for benzyl isothiocyanate. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 18-28.	7.5	30
76	Designed Meso-macroporous Silica Framework Impregnated with Copper Oxide Nanoparticles for Enhanced Catalytic Performance. <i>ChemCatChem</i> , 2018, 10, 2087-2095.	3.7	19
77	Synthesis and characterization of fused imidazole heterocyclic selenoesters and their application for chemical detoxification of HgCl ₂ . <i>New Journal of Chemistry</i> , 2018, 42, 2702-2710.	2.8	7
78	Fabrication of benzylisothiocyanate encapsulated nanoemulsion through ultrasonication: Augmentation of anticancer and antimicrobial attributes. <i>Journal of Molecular Liquids</i> , 2018, 263, 324-333.	4.9	15
79	Solar light driven photocatalytic degradation of levofloxacin using TiO ₂ /carbon-dot nanocomposites. <i>New Journal of Chemistry</i> , 2018, 42, 7445-7456.	2.8	87
80	Visible light driven photocatalytic degradation of ofloxacin and malachite green dye using cadmium sulphide nanoparticles. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 3631-3639.	6.7	42
81	Experimental validation of DNA interactions with nanoparticles derived from metal coupled amphiphiles. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 3614-3622.	3.5	12
82	Nanocuboidal-shaped zirconium based metal organic framework for the enhanced adsorptive removal of nonsteroidal anti-inflammatory drug, ketorolac tromethamine, from aqueous phase. <i>New Journal of Chemistry</i> , 2018, 42, 1921-1930.	2.8	34
83	Synthesis, characterisation and structural aspects of some symmetrical organotellurium halides based on Bis(2-(3,5-dimethyl-1H-pyrazol-1-yl)ethyl)telluride. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2018, 193, 273-279.	1.6	5
84	Graphene oxide/lysine composite – a potent electron mediator for detection of diazepam. <i>Analytical Methods</i> , 2018, 10, 5038-5046.	2.7	11
85	Rapid Solar-Light Driven Superior Photocatalytic Degradation of Methylene Blue Using MoS ₂ -ZnO Heterostructure Nanorods Photocatalyst. <i>Materials</i> , 2018, 11, 2254.	2.9	74
86	Reduced Graphene Oxide Nanostructures by Light: Going Beyond the Diffraction Limit. <i>Journal of Physics: Conference Series</i> , 2018, 1092, 012124.	0.4	0
87	Synthetic Toll-like receptor agonists for the development of powerful malaria vaccines: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2018, 28, 837-847.	5.0	11
88	Colorimetric sensing of Fe ³⁺ ions in aqueous solution using magnesium oxide nanoparticles synthesized using green approach. <i>Chemical Physics Letters</i> , 2018, 706, 53-61.	2.6	39
89	Anti-proliferate and apoptosis triggering potential of methotrexate-transferrin conjugate encapsulated PLGA nanoparticles with enhanced cellular uptake by high-affinity folate receptors. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 704-719.	2.8	9
90	Synthesis of biosurfactant-coated magnesium oxide nanoparticles for methylene blue removal and selective Pb ²⁺ sensing. <i>IET Nanobiotechnology</i> , 2018, 12, 241-253.	3.8	21

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91	Biocompatible gadolinium oxide nanoparticles as efficient agent against pathogenic bacteria. Journal of Colloid and Interface Science, 2018, 529, 496-504.	9.4	22
92	Ultrasonication assisted fabrication of l-lysine functionalized gadolinium oxide nanoparticles and its biological acceptability. Ultrasonics Sonochemistry, 2018, 49, 53-62.	8.2	6
93	Mixed surfactant (altering chain length and head group) aggregates as an effective carrier for tuberculosis drug. Chemistry and Physics of Lipids, 2018, 215, 11-17.	3.2	8
94	A comparative multi-assay approach to study the toxicity behaviour of Eu ₂ O ₃ nanoparticles. Journal of Molecular Liquids, 2018, 269, 783-795.	4.9	24
95	Biomimetic Solid Lipid Nanoparticles of Sophorolipids Designed for Antileprosy Drugs. Journal of Physical Chemistry B, 2018, 122, 6837-6845.	2.6	30
96	Understanding Toxicity of Nanomaterials in the Environment: Crucial Tread for Controlling the Production, Processing, and Assessing the Risk. , 2018, , 467-500.		1
97	QbD-Enabled Development and Validation of a Liquid Chromatographic Method for Estimating Galantamine Hydrobromide in Biological Fluids. Current Pharmaceutical Analysis, 2018, 14, 527-540.	0.6	4
98	Potentially Active Fluorescent Drug Polymer Nanoconjugate for Antibacterial Drug Delivery. Indian Journal of Pharmaceutical Sciences, 2018, 80, .	1.0	2
99	Physiochemical and cytotoxicity study of TPGS stabilized nanoemulsion designed by ultrasonication method. Ultrasonics Sonochemistry, 2017, 34, 173-182.	8.2	39
100	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.	6.1	37
101	Fluorescent spongy carbon nanoglobules derived from pineapple juice: A potential sensing probe for specific and selective detection of chromium (VI) ions. Ceramics International, 2017, 43, 7011-7019.	4.8	42
102	Nanosensors for food quality and safety assessment. Environmental Chemistry Letters, 2017, 15, 165-177.	16.2	73
103	Ultrasound processed nanoemulsion: A comparative approach between resveratrol and resveratrol cyclodextrin inclusion complex to study its binding interactions, antioxidant activity and UV light stability. Ultrasonics Sonochemistry, 2017, 37, 478-489.	8.2	87
104	Nitrogen doped graphene quantum dots: Efficient fluorescent chemosensor for the selective and sensitive detection of 2,4,6-trinitrophenol. Sensors and Actuators B: Chemical, 2017, 245, 938-945.	7.8	79
105	A fluorescent probe based on nitrogen doped graphene quantum dots for turn off sensing of explosive and detrimental water pollutant, TNP in aqueous medium. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 180, 37-43.	3.9	63
106	Hydrothermal synthesis of Cr-doped SrTiO ₃ nanoparticles for rhodamine-B dye degradation under visible light illumination. Colloid and Polymer Science, 2017, 295, 933-937.	2.1	18
107	Exploring interactions of copper hybrid surfactants with calf thymus-DNA. Journal of Molecular Liquids, 2017, 241, 715-721.	4.9	12
108	Investigation of the growth mechanism of the formation of ZnO nanorods by thermal decomposition of zinc acetate and their field emission properties. CrystEngComm, 2017, 19, 2264-2270.	2.6	41

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109	Encompassment of Benzyl Isothiocyanate in cyclodextrin using ultrasonication methodology to enhance its stability for biological applications. <i>Ultrasonics Sonochemistry</i> , 2017, 39, 25-33.	8.2	32
110	Enhanced visible light driven photocatalytic application of Ag ₂ O decorated ZnO nanorods heterostructures. <i>Separation and Purification Technology</i> , 2017, 183, 341-349.	7.9	72
111	Highly fluorescent silver oxide/C-dots nanocomposite as selective and sensitive probe for highly efficient detection of Fe(III) ions. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 1148-1156.	7.8	14
112	N doped ZnO/C-dots nanoflowers as visible light driven photocatalyst for the degradation of malachite green dye in aqueous phase. <i>Journal of Alloys and Compounds</i> , 2017, 699, 323-333.	5.5	82
113	Europium-doped gadolinium oxide nanoparticles: A potential photoluminescent probe for highly selective and sensitive detection of Fe ³⁺ and Cr ³⁺ ions. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 579-588.	7.8	47
114	The effect of the presence of Sodium bis-(2-ethylhexyl) sulfosuccinate (AOT) on the interactions between Sodium dodecyl sulfate (SDS) and protein papain. <i>Journal of Molecular Liquids</i> , 2017, 248, 751-758.	4.9	5
115	Visible light driven photocatalytic degradation of fluoroquinolone levofloxacin drug using Ag ₂ O/TiO ₂ quantum dots: a mechanistic study and degradation pathway. <i>New Journal of Chemistry</i> , 2017, 41, 12079-12090.	2.8	60
116	Anti-Alzheimer's potential of berberine using surface decorated multi-walled carbon nanotubes: A preclinical evidence. <i>International Journal of Pharmaceutics</i> , 2017, 530, 263-278.	5.2	81
117	Developments of Polysorbate (Tween) based microemulsions: Preclinical drug delivery, toxicity and antimicrobial applications. <i>International Journal of Pharmaceutics</i> , 2017, 529, 134-160.	5.2	141
118	Metallomicelle templated transition metal nanostructures: synthesis, characterization, DFT study and catalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 18372-18382.	2.8	14
119	Graphene/silver nanocomposites-potential electron mediators for proliferation in electrochemical sensing and SERS activity. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 86, 155-171.	11.4	32
120	Solar light driven enhanced photocatalytic degradation of brilliant green dye based on ZnS quantum dots. <i>Superlattices and Microstructures</i> , 2017, 103, 365-375.	3.1	44
121	Rapidly synthesized polyethylene glycol coated cadmium sulphide (CdS) nanoparticles as potential scaffold for highly sensitive and selective lethal cyanide ion sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 276-284.	7.8	12
122	Formulation and physiochemical study of Î±-tocopherol based oil in water nanoemulsion stabilized with non toxic, biodegradable surfactant: Sodium stearoyl lactate. <i>Ultrasonics Sonochemistry</i> , 2017, 38, 570-578.	8.2	40
123	Electrochemical Determination of Hydrazine Using ZnO Nanoellipsoids Modified Gold Electrode. <i>Sensor Letters</i> , 2016, 14, 577-582.	0.4	3
124	Selenium nanomaterials: An overview of recent developments in synthesis, properties and potential applications. <i>Progress in Materials Science</i> , 2016, 83, 270-329.	32.8	169
125	Synthesis, structural analysis, antimicrobial evaluation and synergistic studies of imidazo[1,2-a]pyrimidine chalcogenides. <i>RSC Advances</i> , 2016, 6, 114224-114234.	3.6	10
126	Azaindole modified imine moiety as fluorescent probe for highly sensitive detection of Fe ³⁺ ions. <i>Sensors and Actuators B: Chemical</i> , 2016, 232, 396-401.	7.8	34

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127	Visible-light photocatalyzed synthesis of 2-aryl N -methylpyrroles, furans and thiophenes utilizing arylsulfonyl chlorides as a coupling partner. <i>Tetrahedron</i> , 2016, 72, 2521-2526.	1.9	36
128	Bare and cationic surfactants capped tungsten trioxide nanoparticles based hydrazine chemical sensors: A comparative study. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 571-580.	7.8	21
129	Potential prospects for carbon dots as a fluorescence sensing probe for metal ions. <i>RSC Advances</i> , 2016, 6, 90526-90536.	3.6	60
130	Functionalized carbon nanotubes and their promising applications in therapeutics and diagnostics. , 2016, , 455-478.		27
131	Comparative Study of Dye Adsorption on Silica Nanoparticles: Effects of Surface Functionalization and Other Operational Parameters. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 7433-7443.	0.9	4
132	Bi ₂ O ₃ /TiO ₂ heterostructures: Synthesis, characterization and their application in solar light mediated photocatalyzed degradation of an antibiotic, ofloxacin. <i>Chemical Engineering Journal</i> , 2016, 290, 45-52.	12.7	144
133	Synthesized colloidal-supported Pt and bimetallic Pt-Mo nanoparticles as electrocatalyst in oxidation of methanol in alkaline solution. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 27-38.	2.9	12
134	Revealing the potential of Didodecyldimethylammonium bromide as efficient scaffold for fabrication of nano liquid crystalline structures. <i>Chemistry and Physics of Lipids</i> , 2016, 196, 61-68.	3.2	11
135	Luminescent ZnO quantum dots as an efficient sensor for free chlorine detection in water. <i>Analyst</i> , 2016, 141, 2487-2492.	3.5	52
136	Surfactant functionalized tungsten oxide nanoparticles with enhanced photocatalytic activity. <i>Chemical Engineering Journal</i> , 2016, 288, 423-431.	12.7	34
137	Formulation of saponin stabilized nanoemulsion by ultrasonic method and its role to protect the degradation of quercetin from UV light. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 29-38.	8.2	50
138	Enhanced solubilization of curcumin in mixed surfactant vesicles. <i>Food Chemistry</i> , 2016, 199, 660-666.	8.2	45
139	An azaindole-hydrazine imine moiety as sensitive dual cation chemosensor depending on surface plasmon resonance and emission properties. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 397-406.	7.8	9
140	(Cationic + nonionic) mixed surfactant aggregates for solubilisation of curcumin. <i>Journal of Chemical Thermodynamics</i> , 2016, 93, 115-122.	2.0	32
141	Efficient Photocatalytic Degradation of Victoria Blue R and Fast Green FCF Dyes Using Fe ₃ O ₄ Nanoparticles. <i>Nanoscience and Nanotechnology Letters</i> , 2016, 8, 965-971.	0.4	6
142	Coencapsulation of Hydrophobic and Hydrophilic Antituberculosis Drugs in Synergistic Brij 96 Microemulsions: A Biophysical Characterization. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 2203-2212.	3.3	26
143	Nanoscale surface designing of Cerium oxide nanoparticles for controlling growth, stability, optical and thermal properties. <i>Ceramics International</i> , 2015, 41, 10995-11003.	4.8	25
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