Abbas Rahdar

List of Publications by Year
in descending order

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Version: 2024-02-01

177 papers	5,878 citations	76294 40 h-index	118793 62 g-index
182 all docs	182 docs citations	182 times ranked	3900 citing authors

#	Article	IF	Citations
1	Stimuli-Responsive Polymeric Nanocarriers for Drug Delivery, Imaging, and Theragnosis. Polymers, 2020, 12, 1397.	2.0	281
2	Green synthesis and characterization of zinc oxide nanoparticles with antibacterial and antifungal activity. Journal of Molecular Structure, 2020, 1211, 128107.	1.8	258
3	Nanomaterials in Cosmetics: Recent Updates. Nanomaterials, 2020, 10, 979.	1.9	210
4	Modeling of adsorption of Methylene Blue dye on Ho-CaWO4 nanoparticles using Response Surface Methodology (RSM) and Artificial Neural Network (ANN) techniques. MethodsX, 2019, 6, 1779-1797.	0.7	122
5	Nanomaterials for Diagnosis and Treatment of Brain Cancer: Recent Updates. Chemosensors, 2020, 8, 117.	1.8	107
6	Nanotechnology in ovarian cancer: Diagnosis and treatment. Life Sciences, 2021, 266, 118914.	2.0	104
7	On Facing the SARS-CoV-2 (COVID-19) with Combination of Nanomaterials and Medicine: Possible Strategies and First Challenges. Nanomaterials, 2020, 10, 852.	1.9	102
8	Plant-Based Gums and Mucilages Applications in Pharmacology and Nanomedicine: A Review. Molecules, 2021, 26, 1770.	1.7	95
9	Fluorescent-based nanosensors for selective detection of a wide range of biological macromolecules: A comprehensive review. International Journal of Biological Macromolecules, 2022, 206, 115-147.	3.6	91
10	MXene-based electrochemical and biosensing platforms to detect toxic elements and pesticides pollutants from environmental matrices. Chemosphere, 2022, 291, 132820.	4.2	89
11	Hydroxyapatite for Biomedical Applications: A Short Overview. Ceramics, 2021, 4, 542-563.	1.0	88
12	Revisiting the cytotoxicity of quantum dots: an in-depth overview. Biophysical Reviews, 2020, 12, 703-718.	1.5	87
13	In-situ, Ex-situ, and nano-remediation strategies to treat polluted soil, water, and air â€“ A review. Chemosphere, 2022, 289, 133252.	4.2	87
14	Petroleum Hydrocarbon Removal from Wastewaters: A Review. Processes, 2020, 8, 447.	1.3	80
15	Environmentally Safe Biosynthesis of Gold Nanoparticles Using Plant Water Extracts. Nanomaterials, 2021, 11, 2033.	1.9	79
16	Nanomaterials for the treatment and diagnosis of Alzheimer's disease: An overview. NanoImpact, 2020, 20, 100251.	2.4	78
17	Nanomaterials as Nanofertilizers and Nanopesticides: An Overview. ChemistrySelect, 2021, 6, 8645-8663.	0.7	72
18	Nanotechnology-based approaches for effective detection of tumor markers: A comprehensive state-of-the-art review. International Journal of Biological Macromolecules, 2022, 195, 356-383.	3.6	72

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19	Application of Green Gold Nanoparticles in Cancer Therapy and Diagnosis. Nanomaterials, 2022, 12, 1102.	1.9	72
20	Nanotreatment and Nanodiagnosis of Prostate Cancer: Recent Updates. Nanomaterials, 2020, 10, 1696.	1.9	67
21	Acid Dye Removal from Aqueous Solution by Using Neodymium(III) Oxide Nanoadsorbents. Nanomaterials, 2020, 10, 556.	1.9	67
22	Recent Advances in Nanotechnology-Based Diagnosis and Treatments of Human Osteosarcoma. Biosensors, 2021, 11, 55.	2.3	64
23	Bismuth-based heterojunction nanocomposites for photocatalysis and heavy metal detection applications. Nano Structures Nano Objects, 2021, 27, 100762.	1.9	64
24	Borophene and Boron Fullerene Materials in Hydrogen Storage: Opportunities and Challenges. ChemSusChem, 2020, 13, 3754-3765.	3.6	62
25	The synthesis and characterization of a magnetite nanoparticle with potent antibacterial activity and low mammalian toxicity. Journal of Molecular Liquids, 2018, 265, 96-104.	2.3	60
26	Nanotechnology in Bladder Cancer: Diagnosis and Treatment. Cancers, 2021, 13, 2214.	1.7	56
27	Progress in the Application of Nanoparticles and Graphene as Drug Carriers and on the Diagnosis of Brain Infections. Molecules, 2021, 26, 186.	1.7	56
28	Role of agrochemical-based nanomaterials in plants: biotic and abiotic stress with germination improvement of seeds. Plant Growth Regulation, 2022, 97, 375-418.	1.8	55
29	Applications of plant-based nanoparticles in nanomedicine: A review. Sustainable Chemistry and Pharmacy, 2022, 25, 100606.	1.6	55
30	Synthesis and characterization of MgO supported Feâ€“Coâ€“Mn nanoparticles with exceptionally high adsorption capacity for Rhodamine B dye. Journal of Materials Research and Technology, 2019, 8, 3800-3810.	2.6	53
31	Cancer theranostic applications of MXene nanomaterials: Recent updates. Nano Structures Nano Objects, 2020, 22, 100457.	1.9	53
32	Synthesis and characterization of highly efficacious Fe-doped ceria nanoparticles for cytotoxic and antifungal activity. Ceramics International, 2019, 45, 7950-7955.	2.3	51
33	Progress in natural polymer engineered biomaterials for transdermal drug delivery systems. Materials Today Chemistry, 2021, 19, 100382.	1.7	51
34	Photoâ€•and Magnetothermally Responsive Nanomaterials for Therapy, Controlled Drug Delivery and Imaging Applications. ChemistrySelect, 2020, 5, 12590-12609.	0.7	49
35	Overview of the anticancer activity of withaferin A, an active constituent of the Indian ginseng Withania somnifera. Environmental Science and Pollution Research, 2020, 27, 26025-26035.	2.7	49
36	Multi-Functionalized Nanomaterials and Nanoparticles for Diagnosis and Treatment of Retinoblastoma. Biosensors, 2021, 11, 97.	2.3	49

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37	Application of Response Surface Methodology for Optimizing the Therapeutic Activity of ZnO Nanoparticles Biosynthesized from Aspergillus niger. Biomimetics, 2021, 6, 34.	1.5	48
38	DNA Based and Stimuli-Responsive Smart Nanocarrier for Diagnosis and Treatment of Cancer: Applications and Challenges. Cancers, 2021, 13, 3396.	1.7	46
39	Praseodymium-doped cadmium tungstate (CdWO4) nanoparticles for dye degradation with sonocatalytic process. Polyhedron, 2020, 190, 114792.	1.0	45
40	A Hyaluronic Acid Functionalized Self-Nano-Emulsifying Drug Delivery System (SNEDDS) for Enhancement in Ciprofloxacin Targeted Delivery against Intracellular Infection. Nanomaterials, 2021, 11, 1086.	1.9	44
41	Nanodiagnosis and nanotreatment of colorectal cancer: an overview. Journal of Nanoparticle Research, 2021, 23, 1.	0.8	43
42	Surface modification of colloidal silica particles using cationic surfactant and the resulting adsorption of dyes. Journal of Molecular Liquids, 2019, 274, 673-680.	2.3	42
43	Synthesis, characterization, toxicity and morphology assessments of newly prepared microemulsion systems for delivery of valproic acid. Journal of Molecular Liquids, 2021, 338, 116625.	2.3	40
44	The synthesis of methotrexate-loaded F127 microemulsions and their in vivo toxicity in a rat model. Journal of Molecular Liquids, 2020, 313, 113449.	2.3	38
45	Nanomaterials in Cementitious Composites: An Update. Molecules, 2021, 26, 1430.	1.7	38
46	Amino Acids, Peptides, and Proteins: Implications for Nanotechnological Applications in Biosensing and Drug/Gene Delivery. Nanomaterials, 2021, 11, 3002.	1.9	38
47	Pluronic F127/Doxorubicin microemulsions: Preparation, characterization, and toxicity evaluations. Journal of Molecular Liquids, 2022, 345, 117028.	2.3	37
48	Guar (Cyamopsis tetragonoloba L.) plant gum: From biological applications to advanced nanomedicine. International Journal of Biological Macromolecules, 2021, 193, 1972-1985.	3.6	37
49	Biosynthesis of lead oxide and cerium oxide nanoparticles and their cytotoxic activities against colon cancer cell line. Inorganic Chemistry Communication, 2021, 131, 108800.	1.8	36
50	Deferasirox-loaded pluronic nanomicelles: Synthesis, characterization, in vitro and in vivo studies. Journal of Molecular Liquids, 2021, 323, 114605.	2.3	35
51	Quantum Dots: Synthesis, Antibody Conjugation, and HER2-Receptor Targeting for Breast Cancer Therapy. Journal of Functional Biomaterials, 2021, 12, 75.	1.8	35
52	Aptamer-conjugated carbon-based nanomaterials for cancer and bacteria theranostics: A review. Chemico-Biological Interactions, 2022, 361, 109964.	1.7	34
53	Nanotechnology for inflammatory bowel disease management: Detection, imaging and treatment. Sensing and Bio-Sensing Research, 2021, 32, 100417.	2.2	33
54	Novel Perspectives towards RNA-Based Nano-Theranostic Approaches for Cancer Management. Nanomaterials, 2021, 11, 3330.	1.9	33

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55	Synthesis of nanoparticles using microorganisms and their applications: a review. Environmental Chemistry Letters, 2022, 20, 3153-3197.	8.3	33
56	Polystyrene Magnetic Nanocomposites as Antibiotic Adsorbents. Polymers, 2020, 12, 1313.	2.0	32
57	Nanomaterials for the Diagnosis and Treatment of Urinary Tract Infections. Nanomaterials, 2021, 11, 546.	1.9	32
58	Quercetin-loaded F127 nanomicelles: Antioxidant activity and protection against renal injury induced by gentamicin in rats. Life Sciences, 2021, 276, 119420.	2.0	32
59	MOF-Mediated Synthesis of CuO/CeO2 Composite Nanoparticles: Characterization and Estimation of the Cellular Toxicity against Breast Cancer Cell Line (MCF-7). Journal of Functional Biomaterials, 2021, 12, 53.	1.8	32
60	Effect of ion exchange in NaAOT surfactant on droplet size and location of dye within Rhodamine B (RhB)-containing microemulsion at low dye concentration. Journal of Molecular Liquids, 2018, 252, 506-513.	2.3	31
61	Xanthan gum-stabilized nano-ceria: Green chemistry based synthesis, characterization, study of biochemical alterations induced by intraperitoneal doses of nanoparticles in rat. Journal of Molecular Structure, 2018, 1173, 166-172.	1.8	31
62	Behavioral effects of zinc oxide nanoparticles on the brain of rats. Inorganic Chemistry Communication, 2020, 119, 108131.	1.8	31
63	Functional Nanomaterials in Biomedicine: Current Uses and Potential Applications. ChemMedChem, 2022, 17, .	1.6	31
64	Gum-based cerium oxide nanoparticles for antimicrobial assay. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	30
65	Fabrication of highly resistive Laâ€“Zn co-substituted spinel strontium nanoferrites for high frequency devices applications. Materials Chemistry and Physics, 2021, 259, 124031.	2.0	30
66	Lignin-Stabilized Doxorubicin Microemulsions: Synthesis, Physical Characterization, and In Vitro Assessments. Polymers, 2021, 13, 641.	2.0	30
67	Nanomaterials for the Diagnosis and Treatment of Inflammatory Arthritis. International Journal of Molecular Sciences, 2021, 22, 3092.	1.8	30
68	A theoretical first principles computational investigation into the potential of aluminum-doped boron nitride nanotubes for hydrogen storage. International Journal of Hydrogen Energy, 2020, 45, 11176-11189.	3.8	29
69	Nanomaterials for Parkinson disease: Recent progress. Journal of Molecular Structure, 2021, 1231, 129698.	1.8	29
70	Synthesis and characterization of poly(styrene-block-acrylic acid) diblock copolymer modified magnetite nanocomposite for efficient removal of penicillin G. Composites Part B: Engineering, 2020, 182, 107643.	5.9	28
71	Biochemical, Ameliorative and Cytotoxic Effects of Newly Synthesized Curcumin Microemulsions: Evidence from In Vitro and In Vivo Studies. Nanomaterials, 2021, 11, 817.	1.9	28
72	A review of the nanomaterials use for the diagnosis and therapy of salmonella typhi. Journal of Molecular Structure, 2021, 1230, 129928.	1.8	28

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73	Importance of the Inter-Electrode Distance for the Electrochemical Synthesis of Magnetite Nanoparticles: Synthesis, Characterization, Computational Modelling, and Cytotoxicity. E-Journal of Surface Science and Nanotechnology, 2017, 15, 31-39.	0.1	27
74	Application of Nanotechnology for Sensitive Detection of Low-Abundance Single-Nucleotide Variations in Genomic DNA: A Review. Nanomaterials, 2021, 11, 1384.	1.9	27
75	Synthesis and physical characterization of nickel oxide nanoparticles and its application study in the removal of ciprofloxacin from contaminated water by adsorption: Equilibrium and kinetic studies. , 0, 141, 386-393.		27
76	Recent trends in mesoporous silica nanoparticles of rode-like morphology for cancer theranostics: A review. Journal of Molecular Structure, 2022, 1261, 132922.	1.8	27
77	Newly crocin-coated magnetite nanoparticles induce apoptosis and decrease VEGF expression in breast carcinoma cells. Journal of Drug Delivery Science and Technology, 2020, 60, 101987.	1.4	26
78	Onco-Receptors Targeting in Lung Cancer via Application of Surface-Modified and Hybrid Nanoparticles: A Cross-Disciplinary Review. Processes, 2021, 9, 621.	1.3	26
79	Simulation, In Vitro, and In Vivo Cytotoxicity Assessments of Methotrexate-Loaded pH-Responsive Nanocarriers. Polymers, 2021, 13, 3153.	2.0	26
80	Efficiency of sono-nano-catalytic process of magnesium oxide nanoparticle in removal of penicillin G from aqueous solution. , 0, 106, 330-335.		26
81	Surfactant stabilized gold nanomaterials for environmental sensing applications â€“ A review. Environmental Research, 2022, 208, 112644.	3.7	26
82	Sawdust for the Removal of Heavy Metals from Water: A Review. Molecules, 2021, 26, 4318.	1.7	25
83	Application of titanium dioxide nanoparticles in photothermal and photodynamic therapy of cancer: An updated and comprehensive review. Journal of Drug Delivery Science and Technology, 2022, 75, 103605.	1.4	25
84	Effect of 2-mercaptoethanol as capping agent on ZnS nanoparticles: structural and optical characterization. Journal of Nanostructure in Chemistry, 2013, 3, 1.	5.3	24
85	Response surface methodology for the removal of nitrate ions by adsorption onto copper oxide nanoparticles. Journal of Molecular Structure, 2021, 1231, 129686.	1.8	24
86	Nanodiagnosis and Nanotreatment of Cardiovascular Diseases: An Overview. Chemosensors, 2021, 9, 67.	1.8	24
87	Stimuli-responsive nanoliposomes as prospective nanocarriers for targeted drug delivery. Journal of Drug Delivery Science and Technology, 2021, 66, 102916.	1.4	24
88	siRNAâ€based nanotherapeutics as emerging modalities for immuneâ€mediated diseases: A preliminary review. Cell Biology International, 2022, 46, 1320-1344.	1.4	24
89	Nanomaterials in the Management of Gram-Negative Bacterial Infections. Nanomaterials, 2021, 11, 2535.	1.9	23
90	Design of Mannose-Coated Rifampicin nanoparticles modulating the immune response and Rifampicin induced hepatotoxicity with improved oral drug delivery. Arabian Journal of Chemistry, 2021, 14, 103321.	2.3	23

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91	In vitro and in vivo anticancer effect of pH-responsive paclitaxel-loaded niosomes. Journal of Materials Science: Materials in Medicine, 2021, 32, 147.	1.7	23
92	Chitosan nanocarriers for microRNA delivery and detection: A preliminary review with emphasis on cancer. Carbohydrate Polymers, 2022, 290, 119489.	5.1	23
93	Data on the removal of fluoride from aqueous solutions using synthesized P/Î³-Fe2O3 nanoparticles: A novel adsorbent. MethodsX, 2019, 6, 98-106.	0.7	22
94	Opportunities and challenges of using high-sensitivity nanobiosensors to detect long noncoding RNAs: A preliminary review. International Journal of Biological Macromolecules, 2022, 205, 304-315.	3.6	22
95	Nano-Based Theranostic Platforms for Breast Cancer: A Review of Latest Advancements. Bioengineering, 2022, 9, 320.	1.6	22
96	Iron oxide nanoparticles: Synthesis, physical characterization, and intraperitoneal biochemical studies in Rattus norvegicus. Journal of Molecular Structure, 2018, 1173, 240-245.	1.8	21
97	Assessment of SnFe2O4 Nanoparticles for Potential Application in Theranostics: Synthesis, Characterization, In Vitro, and In Vivo Toxicity. Materials, 2021, 14, 825.	1.3	21
98	Barium/Cobalt@Polyethylene Glycol Nanocomposites for Dye Removal from Aqueous Solutions. Polymers, 2021, 13, 1161.	2.0	21
99	Green nanoparticles to treat patients with Malaria disease: An overview. Journal of Molecular Structure, 2021, 1229, 129857.	1.8	21
100	Theranostic Advances of Bionanomaterials against Gestational Diabetes Mellitus: A Preliminary Review. Journal of Functional Biomaterials, 2021, 12, 54.	1.8	21
101	A Multifunctional Polymeric Micelle for Targeted Delivery of Paclitaxel by the Inhibition of the P-Glycoprotein Transporters. Nanomaterials, 2021, 11, 2858.	1.9	21
102	Graphene-Based Polymer Composites for Flexible Electronic Applications. Micromachines, 2022, 13, 1123.	1.4	21
103	Nanomaterials for the Diagnosis and Treatment of Head and Neck Cancers: A Review. Materials, 2021, 14, 3706.	1.3	20
104	Active Targeted Nanoparticles for Delivery of Poly(ADP-ribose) Polymerase (PARP) Inhibitors: A Preliminary Review. International Journal of Molecular Sciences, 2021, 22, 10319.	1.8	20
105	Pluronic F127/carfilzomib-based nanomicelles as promising nanocarriers: synthesis, characterization, biological, and in silico evaluations. Journal of Molecular Liquids, 2022, 346, 118271.	2.3	20
106	Photophysics of Rhodamine B in the nanosized water droplets: A concentration dependence study. Journal of Molecular Liquids, 2016, 220, 395-403.	2.3	19
107	LbL Nano-Assemblies: A Versatile Tool for Biomedical and Healthcare Applications. Nanomaterials, 2022, 12, 949.	1.9	19
108	Adsorption of bovine serum albumin (BSA) by bare magnetite nanoparticles with surface oxidative impurities that prevent aggregation. Canadian Journal of Chemistry, 2019, 97, 577-583.	0.6	18

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109	Copolymer/graphene oxide nanocomposites as potential anticancer agents. Polymer Bulletin, 2021, 78, 4877-4898.	1.7	18
110	F127/Cisplatin Microemulsions: In Vitro, In Vivo and Computational Studies. Applied Sciences (Switzerland), 2021, 11, 3006.	1.3	18
111	CoNi alloy nanoparticles for cancer theranostics: synthesis, physical characterization, in vitro and in vivo studies. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	18
112	Green synthesis of molybdenum-based nanoparticles and their applications in energy conversion and storage: A review. International Journal of Hydrogen Energy, 2022, 47, 31014-31057.	3.8	18
113	Environmentally friendly synthesis of Fe2O3@SiO2 nanocomposite: characterization and application as an adsorbent to aniline removal from aqueous solution. Environmental Science and Pollution Research, 2020, 27, 9181-9191.	2.7	16
114	Biochemical effects of deferasirox and deferasirox-loaded nanomicellesin iron-intoxicated rats. Life Sciences, 2021, 270, 119146.	2.0	16
115	Porphyrinâ€Based Nanostructures for Cancer Theranostics: Chemistry, Fundamentals and Recent Advances. ChemistrySelect, 2021, 6, 14082-14099.	0.7	16
116	Atorvastatin-loaded SBA-16 nanostructures: Synthesis, physical characterization, and biochemical alterations in hyperlipidemic rats. Journal of Molecular Structure, 2020, 1202, 127296.	1.8	15
117	Scrutinizing the therapeutic and diagnostic potential of nanotechnology in thyroid cancer: Edifying drug targeting by nano-oncotherapeutics. Journal of Drug Delivery Science and Technology, 2021, 61, 102221.	1.4	15
118	Oil-In-Water Microemulsion Encapsulation of Antagonist Drugs Prevents Renal Ischemia-Reperfusion Injury in Rats. Applied Sciences (Switzerland), 2021, 11, 1264.	1.3	15
119	Preparation of pH-Responsive Vesicular Deferasirox: Evidence from In Silico, In Vitro, and In Vivo Evaluations. ACS Omega, 2021, 6, 24218-24232.	1.6	15
120	Dynamic and spectroscopic studies of nano-micelles comprising dye in water/ dioctyl sodium sulfosuccinate /decane droplet microemulsion at constant water content. Journal of Molecular Structure, 2017, 1128, 257-262.	1.8	14
121	Detecting Mercury (II) and Thiocyanate Using â€œTurn-onâ€•Fluorescence of Graphene Quantum Dots. Journal of Fluorescence, 2020, 30, 1181-1187.	1.3	14
122	CoNiZn and CoNiFe Nanoparticles: Synthesis, Physical Characterization, and In Vitro Cytotoxicity Evaluations. Applied Sciences (Switzerland), 2021, 11, 5339.	1.3	14
123	Development and Evaluation of Azelaic Acid-Loaded Microemulsion for Transfollicular Drug Delivery Through Guinea Pig Skin: A Mechanistic Study. Advanced Pharmaceutical Bulletin, 2020, 10, 239-246.	0.6	14
124	Error analysis of adsorption isotherm models for penicillin G onto magnesium oxide nanoparticles. Applied Water Science, 2019, 9, 1.	2.8	13
125	Synthesis, characterization, and intraperitoneal biochemical studies of zinc oxide nanoparticles in Rattus norvegicus. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	13
126	Microemulsions of tribenuron-methyl using Pluronic F127: Physico-chemical characterization and efficiency on wheat weed. Journal of Molecular Liquids, 2021, 326, 115263.	2.3	13

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127	Effect of chain length of oil on location of dye within AOT nanometer-sized droplet microemulsions at constant water content. Journal of Molecular Liquids, 2017, 233, 398-402.	2.3	12
128	Surface plasmon resonance effect for a new structure of Ag/WO 3 nanorod-shell nanocomposits and application in smart window. Journal of Molecular Structure, 2018, 1169, 25-30.	1.8	12
129	l-tryptophan adsorption differentially changes the optical behaviour of pseudo-enantiomeric cysteine-functionalized quantum dots: Towards chiral fluorescent biosensors. Sensing and Bio-Sensing Research, 2019, 22, 100251.	2.2	12
130	Composites of Vegetable Oil-Based Polymers and Carbon Nanomaterials. Macromol, 2021, 1, 276-292.	2.4	12
131	Dynamic light scattering of nano-gels of xanthan gum biopolymer in colloidal dispersion. Journal of Advanced Research, 2016, 7, 635-641.	4.4	11
132	Dual responsive superparamagnetic nanocomposites: Synthesis, characterization and adsorption of nitrate from aqueous solution. Nano Structures Nano Objects, 2019, 19, 100371.	1.9	11
133	Adsorption of Ciprofloxacin from Aqueous Environment by Using Synthesized Nanoceria. Ecological Chemistry and Engineering S, 2019, 26, 299-311.	0.3	11
134	The confinement of PVP in AOT microemulsions: Effect of water content and PVP concentration regime on electrical percolation phenomenon. Journal of Molecular Liquids, 2020, 318, 114012.	2.3	11
135	Plant-based nanoparticles prepared from protein containing tribenuron-methyl: fabrication, characterization, and application. Chemical and Biological Technologies in Agriculture, 2021, 8, .	1.9	11
136	Upgrading recalcitrant lignocellulosicÂbiomass hydrolysisÂby immobilized cellulolytic enzymeâ€“based nanobiocatalytic systems: a review. Biomass Conversion and Biorefinery, 2024, 14, 4485-4509.	2.9	11
137	Can nanomaterials support the diagnosis and treatment of human infertility? A preliminary review. Life Sciences, 2022, 299, 120539.	2.0	11
138	Decolorization of various dyes by microorganisms and green-synthesized nanoparticles: current and future perspective. Environmental Science and Pollution Research, 2023, 30, 124638-124653.	2.7	11
139	In Vivo Evaluation of 3D-Printed Silica-Based Bioactive Glass Scaffolds for Bone Regeneration. Journal of Functional Biomaterials, 2022, 13, 74.	1.8	11
140	Design and Evaluation of pH Sensitive PEG-Protamine Nanocomplex of Doxorubicin for Treatment of Breast Cancer. Polymers, 2022, 14, 2403.	2.0	11
141	Light scattering and optic studies of Rhodamine B-comprising cylindrical-like AOT reversed micelles. Journal of Molecular Liquids, 2016, 223, 1264-1269.	2.3	10
142	Effect of the reverse micelle and oil content in reverse micelle on nonlinear optical properties of Rhodamine B. Journal of Molecular Structure, 2019, 1191, 237-243.	1.8	10
143	Probing the reverse micelle environment with a cationic dye by varying oil and water content of micelles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 210, 165-170.	2.0	10
144	Iron oxide nanoparticle preparation and its use for the removal of fluoride from aqueous solution: application of isotherm, kinetic and thermodynamics. , 0, 137, 174-182.		10

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145	Nanotechnology for Therapy of Zoonotic Diseases: A Comprehensive Overview. ChemistrySelect, 2022, 7, .	0.7	10
146	Synthesis, physical characterization, and antifungal and antibacterial activities of oleic acid capped nanomagnetite and cobalt-doped nanomagnetite. Canadian Journal of Chemistry, 2020, 98, 34-39.	0.6	9
147	Clostridium difficile Infection Epidemiology over a Period of 8 Yearsâ€"A Single Centre Study. Sustainability, 2020, 12, 4439.	1.6	9
148	Manganese/cerium nanoferrites: Synthesis and toxicological effects by intraperitoneal administration in rats. Inorganic Chemistry Communication, 2021, 125, 108433.	1.8	9
149	Removal of Remazol Black B from solution aqueous using P-Î³-Fe2O3 nanoparticles: synthesis, physical characterization, isotherm, kinetic and thermodynamic studies. , 0, 152, 401-410.		9
150	Ce-Mn ferrite nanocomposite promoted the photosynthesis, fortification of total yield, and elongation of wheat (Triticum aestivum L.). Environmental Monitoring and Assessment, 2021, 193, 800.	1.3	9
151	Foam-Replicated Diopside/Fluorapatite/Wollastonite-Based Glassâ€"Ceramic Scaffolds. Ceramics, 2022, 5, 120-130.	1.0	9
152	Computational, experimental details, and biological raw data accompanying the publication: â€œThe synthesis and characterization of a nanomagnetite with potent antibacterial activity and low mammalian toxicityâ€• Data in Brief, 2018, 21, 2518-2521.	0.5	8
153	Nanostructured MgO-enhanced catalytic ozonation of petrochemical wastewater. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2021, 60, 391-400.	0.9	8
154	Structural, magnetic, and in vitro inhibitory characteristics of Ce-substituted MnFe2O4 nanoparticles. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	8
155	A spotlight on underlying the mechanism of AMPK in diabetes complications. Inflammation Research, 2021, 70, 939-957.	1.6	8
156	Rhamnella gilgitica functionalized green synthesis of <scp>ZnONPs</scp> and their multiple therapeutic properties. Microscopy Research and Technique, 2022, , .	1.2	8
157	Evaluation and Optimization of Prolonged Release Mucoadhesive Tablets of Dexamethasone for Wound Healing: In Vitroâ€"In Vivo Profiling in Healthy Volunteers. Pharmaceutics, 2022, 14, 807.	2.0	8
158	Effect of mercaptoethanol and Na2S dropwise addition rate on zinc sulfide semiconductor nanocrystals: synthesis and characterization. Journal of Nanostructure in Chemistry, 2013, 3, 1.	5.3	7
159	Benzene Removal from Aqueous Solutions by Heterogeneous Catalytic Ozonation Process with Magnesium Oxide Nanoparticles. Ozone: Science and Engineering, 2021, 43, 147-162.	1.4	6
160	Effectiveness of graphene quantum dot nanoparticles in the presence of hydrogen peroxide for the removal of ciprofloxacin from aqueous media: response surface methodology. Separation Science and Technology, 2021, 56, 2124-2140.	1.3	6
161	Development of mucoadhesive thiomeric chitosan nanoparticles for the targeted ocular delivery of vancomycin against Staphylococcus aureus resistant strains. Nanofabrication, 2021, 6, 16-24.	1.1	6
162	Nano-immunotherapeutic strategies for targeted RNA delivery: Emphasizing the role of monocyte/macrophages as nanovehicles to treat glioblastoma multiforme. Journal of Drug Delivery Science and Technology, 2022, 71, 103288.	1.4	5

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163	Removal of sulfonated azo reactive red 198 from water by CeO2 nanoparticles. Environmental Nanotechnology, Monitoring and Management, 2020, 14, 100384.	1.7	4
164	Effects of Cerium Oxide Nanoparticles on Biochemical Parameters and Histopathological Changes in Lead-Intoxicated Rats. Disease and Diagnosis, 2020, 9, 134-139.	0.1	4
165	Synthesis of Al-Based Metal-Organic Framework in Water With Caffeic Acid Ligand and NaOH as Linker Sources With Highly Efficient Anticancer Treatment. Frontiers in Chemistry, 2021, 9, 784461.	1.8	4
166	Functionalized Nanoparticles in Drug Delivery: Strategies to Enhance Direct Nose-to-Brain Drug Delivery via Integrated Nerve Pathways. , 2022, , 455-485.		4
167	Fluorescence and dynamics studies of dye-biomolecule interaction in the nano-colloidal systems. Journal of Molecular Structure, 2019, 1175, 821-827.	1.8	3
168	Preparation, Physical Characterization and Adsorption Properties of Synthesized Coâ€“Niâ€“Cr Nanocomposites for Highly Effective Removal of Nitrate: Isotherms, Kinetics and Thermodynamic Studies. Zeitschrift Fur Physikalische Chemie, 2020, 234, 45-62.	1.4	3
169	Solution-Processable LaTiOx-PVP as Silicon-Free Gate Dielectric at Low Temperature for High-Performance Organic-Inorganic Field Effect Transistors. Journal of Electronic Materials, 2021, 50, 2496-2503.	1.0	3
170	An insight into the effect of nano-confinement on some of photo-physical parameters of dye. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	2
171	Electrospun cellulose composite nanofibers and their biotechnological applications. , 2022, , 329-348.		2
172	Flexibility investigation of free-silicon organicâ€“inorganic (ZrTiHfO2-PVP) hybrid films as a gate dielectric. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	1
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