

Majid Darroudi

List of Publications by Year in descending order

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190
papers

8,904
citations

38660

50
h-index

54797

84
g-index

192
all docs

192
docs citations

192
times ranked

8610
citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc oxide nanoparticles: Biological synthesis and biomedical applications. <i>Ceramics International</i> , 2017, 43, 907-914.	2.3	592
2	Synthesis and characterization of a narrow size distribution of zinc oxide nanoparticles. <i>International Journal of Nanomedicine</i> , 2011, 6, 1399.	3.3	305
3	Silver/poly (lactic acid) nanocomposites: preparation, characterization, and antibacterial activity. <i>International Journal of Nanomedicine</i> , 2010, 5, 573.	3.3	238
4	Cerium oxide nanoparticles: green synthesis and biological applications. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 1401-1413.	3.3	222
5	Oil-in-water nanoemulsions comprising Berberine in olive oil: biological activities, binding mechanisms to human serum albumin or holo-transferrin and QMMD simulations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 1029-1043.	2.0	194
6	Green synthesis and characterization of gelatin-based and sugar-reduced silver nanoparticles. <i>International Journal of Nanomedicine</i> , 2011, 6, 569.	3.3	186
7	Synthesis and characterization of ZnO nanoparticles prepared in gelatin media. <i>Materials Letters</i> , 2011, 65, 70-73.	1.3	172
8	Starch-stabilized synthesis of ZnO nanopowders at low temperature and optical properties study. <i>Advanced Powder Technology</i> , 2013, 24, 618-624.	2.0	149
9	Time-dependent effect in green synthesis of silver nanoparticles. <i>International Journal of Nanomedicine</i> , 2011, 6, 677.	3.3	131
10	Sol-gel synthesis, characterization, and neurotoxicity effect of zinc oxide nanoparticles using gum tragacanth. <i>Ceramics International</i> , 2013, 39, 9195-9199.	2.3	129
11	Effect of nickel oxide nanoparticles as a photocatalyst in dyes degradation and evaluation of effective parameters in their removal from aqueous environments. <i>Inorganic Chemistry Communication</i> , 2020, 115, 107867.	1.8	128
12	Green chemistry approach for the synthesis of ZnO nanopowders and their cytotoxic effects. <i>Ceramics International</i> , 2014, 40, 4827-4831.	2.3	127
13	Facile green synthesis of NiO nanoparticles and investigation of dye degradation and cytotoxicity effects. <i>Journal of Molecular Structure</i> , 2018, 1173, 931-936.	1.8	126
14	Experimental and theoretical dielectric studies of PVDF/PZT nanocomposite thin films. <i>Ceramics International</i> , 2011, 37, 1653-1660.	2.3	123
15	Green synthesis of colloidal silver nanoparticles by sonochemical method. <i>Materials Letters</i> , 2012, 66, 117-120.	1.3	122
16	Food-directed synthesis of cerium oxide nanoparticles and their neurotoxicity effects. <i>Ceramics International</i> , 2014, 40, 7425-7430.	2.3	120
17	Bio-sensing applications of cerium oxide nanoparticles: Advantages and disadvantages. <i>Biosensors and Bioelectronics</i> , 2017, 96, 33-43.	5.3	119
18	Aqueous starch as a stabilizer in zinc oxide nanoparticle synthesis via laser ablation. <i>Journal of Alloys and Compounds</i> , 2012, 516, 41-48.	2.8	113

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19	Synthesis of silver/montmorillonite nanocomposites using γ -irradiation. International Journal of Nanomedicine, 2010, Volume 5, 1067-1077.	3.3	112
20	Plant-based synthesis of cerium oxide nanoparticles using <i>Rheum turkestanicum</i> extract and evaluation of their cytotoxicity and photocatalytic properties. Materials Technology, 2022, 37, 555-568.	1.5	104
21	Effect of Accelerator in Green Synthesis of Silver Nanoparticles. International Journal of Molecular Sciences, 2010, 11, 3898-3905.	1.8	101
22	Egg white-mediated green synthesis of NiO nanoparticles and study of their cytotoxicity and photocatalytic activity. Polyhedron, 2020, 178, 114351.	1.0	100
23	Plant-mediated biosynthesis of silver nanoparticles using <i>Prosopis farcta</i> extract and its antibacterial properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 141, 287-291.	2.0	98
24	Synthesis and characterization of silver/talc nanocomposites using the wet chemical reduction method. International Journal of Nanomedicine, 2010, 5, 743.	3.3	93
25	Nanovaccine: A novel approach in immunization. Journal of Cellular Physiology, 2019, 234, 12530-12536.	2.0	93
26	Green synthesis and evaluation of metabolic activity of starch mediated nanoceria. Ceramics International, 2014, 40, 2041-2045.	2.3	92
27	Eco-Friendly Biosynthesis of Nickel Oxide Nanoparticles Mediated by Okra Plant Extract and Investigation of Their Photocatalytic, Magnetic, Cytotoxicity, and Antibacterial Properties. Journal of Cluster Science, 2019, 30, 1425-1434.	1.7	92
28	Fabrication and Characterization of Gelatin Stabilized Silver Nanoparticles under UV-Light. International Journal of Molecular Sciences, 2011, 12, 6346-6356.	1.8	90
29	Curcumin nanofibers for the purpose of wound healing. Journal of Cellular Physiology, 2019, 234, 5537-5554.	2.0	90
30	Biomedical applications of nanoceria: new roles for an old player. Nanomedicine, 2018, 13, 3051-3069.	1.7	87
31	Preparation of cerium oxide nanoparticles in <i>Salvia Macrosiphon Boiss</i> seeds extract and investigation of their photo-catalytic activities. Ceramics International, 2019, 45, 4790-4797.	2.3	86
32	Synthesis and characterization of UV-irradiated silver/montmorillonite nanocomposites. Solid State Sciences, 2009, 11, 1621-1624.	1.5	84
33	Plant-based synthesis of NiO nanoparticles using <i>salvia macrosiphon Boiss</i> extract and examination of their water treatment. Rare Metals, 2020, 39, 1134-1144.	3.6	83
34	Evaluation of anticancer effects of cerium oxide nanoparticles on mouse fibrosarcoma cell line. Journal of Cellular Physiology, 2019, 234, 4987-4996.	2.0	82
35	Bio-based synthesized NiO nanoparticles and evaluation of their cellular toxicity and wastewater treatment effects. Journal of Molecular Structure, 2019, 1191, 101-109.	1.8	81
36	Solvothermal synthesis of microsphere ZnO nanostructures in DEA media. Ceramics International, 2011, 37, 3657-3663.	2.3	80

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37	Facile synthesis, characterization, and evaluation of neurotoxicity effect of cerium oxide nanoparticles. <i>Ceramics International</i> , 2013, 39, 6917-6921.	2.3	80
38	Nanocerria: Gum mediated synthesis and in vitro viability assay. <i>Ceramics International</i> , 2014, 40, 2863-2868.	2.3	80
39	Bioorganic polymer-based synthesis of cerium oxide nanoparticles and their cell viability assays. <i>Ceramics International</i> , 2015, 41, 1589-1594.	2.3	73
40	Gum Tragacanth (GT): A Versatile Biocompatible Material beyond Borders. <i>Molecules</i> , 2021, 26, 1510.	1.7	73
41	Green-based bio-synthesis of nickel oxide nanoparticles in Arabic gum and examination of their cytotoxicity, photocatalytic and antibacterial effects. <i>Green Chemistry Letters and Reviews</i> , 2021, 14, 404-414.	2.1	73
42	Preparation and characterization of gelatin mediated silver nanoparticles by laser ablation. <i>Journal of Alloys and Compounds</i> , 2011, 509, 1301-1304.	2.8	69
43	Eco-friendly and plant-based synthesis of silver nanoparticles using <i>Allium giganteum</i> and investigation of its bactericidal, cytotoxicity, and photocatalytic effects. <i>Materials Technology</i> , 2019, 34, 490-497.	1.5	69
44	Synthesis of nano curcumin using black pepper oil by O/W Nanoemulsion Technique and investigation of their biological activities. <i>LWT - Food Science and Technology</i> , 2018, 92, 92-100.	2.5	68
45	Size-controlled and bio-directed synthesis of ceria nanopowders and their in vitro cytotoxicity effects. <i>Ceramics International</i> , 2015, 41, 4123-4128.	2.3	67
46	Green synthesis of nickel oxide nanoparticles using <i>Salvia hispanica</i> L. (chia) seeds extract and studies of their photocatalytic activity and cytotoxicity effects. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 2407-2415.	1.7	67
47	Greener synthesis and medical applications of metal oxide nanoparticles. <i>Ceramics International</i> , 2021, 47, 19632-19650.	2.3	65
48	Superparamagnetic iron oxide nanoparticles (SPIONs): Green preparation, characterization and their cytotoxicity effects. <i>Ceramics International</i> , 2014, 40, 14641-14645.	2.3	64
49	Biosynthesis, characterization, and antibacterial activity of silver nanoparticles using <i>Rheum turkestanicum</i> shoots extract. <i>Research on Chemical Intermediates</i> , 2018, 44, 1325-1334.	1.3	58
50	Laser-fabricated castor oil-capped silver nanoparticles. <i>International Journal of Nanomedicine</i> , 2011, 6, 565.	3.3	53
51	Plant-mediated synthesis of superparamagnetic iron oxide nanoparticles (SPIONs) using aloe vera and flaxseed extracts and evaluation of their cellular toxicities. <i>Ceramics International</i> , 2020, 46, 3051-3058.	2.3	53
52	A novel molecularly imprinted polymer decorated by CQDs@HBNS nanocomposite and UiO-66-NH ₂ for ultra-selective electrochemical sensing of Oxaliplatin in biological samples. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127614.	4.0	53
53	Tragacanth-mediate synthesis of NiO nanosheets for cytotoxicity and photocatalytic degradation of organic dyes. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 1209-1218.	1.7	53
54	A novel electrochemical sensor based on GQDs-PANI/ZnO-NCs modified glassy carbon electrode for simultaneous determination of Irinotecan and 5-Fluorouracil in biological samples. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 540-549.	4.0	50

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55	Biosynthesis of cerium oxide nanoparticles and its cytotoxicity survey against colon cancer cell line. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5308.	1.7	49
56	Biosynthesis and cytotoxic activity of lead oxide nanoparticles. <i>Green Chemistry Letters and Reviews</i> , 2018, 11, 567-572.	2.1	48
57	Green synthesis of copper-doped nickel oxide nanoparticles using okra plant extract for the evaluation of their cytotoxicity and photocatalytic properties. <i>Ceramics International</i> , 2021, 47, 27165-27176.	2.3	48
58	Cytotoxic activity of greener synthesis of cerium oxide nanoparticles using carrageenan towards a WEHI 164 cancer cell line. <i>Ceramics International</i> , 2018, 44, 19570-19575.	2.3	47
59	<p>Antioxidant and toxicity studies of biosynthesized cerium oxide nanoparticles in rats</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2915-2926.	3.3	46
60	Synthesis of nano-fibers containing nano-curcumin in zein corn protein and its physicochemical and biological characteristics. <i>Scientific Reports</i> , 2021, 11, 1902.	1.6	45
61	Biopolymer-assisted green synthesis and characterization of calcium hydroxide nanoparticles. <i>Ceramics International</i> , 2016, 42, 3816-3819.	2.3	44
62	Biosynthesis of gold nanoparticles using <i>Prosopis farcta</i> extract and its in vitro toxicity on colon cancer cells. <i>Research on Chemical Intermediates</i> , 2018, 44, 3169-3177.	1.3	43
63	Preparation of superparamagnetic iron oxide/doxorubicin loaded chitosan nanoparticles as a promising glioblastoma theranostic tool. <i>Journal of Cellular Physiology</i> , 2019, 234, 1547-1559.	2.0	43
64	Green synthesis of colloidal selenium nanoparticles in starch solutions and investigation of their photocatalytic, antimicrobial, and cytotoxicity effects. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1215-1225.	1.7	42
65	Optical properties of ZnO/BaCO ₃ nanocomposites in UV and visible regions. <i>Nanoscale Research Letters</i> , 2014, 9, 399.	3.1	41
66	Impact of physicochemical properties of cerium oxide nanoparticles on their toxicity effects. <i>Ceramics International</i> , 2017, 43, 14572-14581.	2.3	41
67	Cockroach wings-promoted safe and greener synthesis of silver nanoparticles and their insecticidal activity. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 2007-2014.	1.7	41
68	Green synthesis of labeled CeO ₂ nanoparticles with ^{99m} Tc and its biodistribution evaluation in mice. <i>Life Sciences</i> , 2018, 212, 233-240.	2.0	40
69	Role of <i>Ribes khorassanicum</i> in the biosynthesis of AgNPs and their antibacterial properties. <i>IET Nanobiotechnology</i> , 2019, 13, 189-192.	1.9	40
70	Evaluation cytotoxicity effects of biosynthesized zinc oxide nanoparticles using aqueous <i>Linum Usitatissimum</i> extract and investigation of their photocatalytic activityackn. <i>Inorganic Chemistry Communication</i> , 2020, 119, 108066.	1.8	40
71	Green-based synthesis of mixed-phase silver nanoparticles as an effective photocatalyst and investigation of their antibacterial properties. <i>Journal of Molecular Structure</i> , 2020, 1203, 127411.	1.8	39
72	Iron Oxide Nanoparticles: Biosynthesis, Magnetic Behavior, Cytotoxic Effect. <i>ChemistryOpen</i> , 2021, 10, 327-333.	0.9	39

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73	Green synthesis of silver nanoparticles and investigation of their colorimetric sensing and cytotoxicity effects. <i>Journal of Molecular Structure</i> , 2017, 1146, 499-503.	1.8	38
74	Green facile synthesis of low-toxic superparamagnetic iron oxide nanoparticles (SPIONs) and their cytotoxicity effects toward Neuro2A and HUVEC cell lines. <i>Ceramics International</i> , 2018, 44, 9263-9268.	2.3	38
75	Sol-gel biosynthesis of nickel oxide nanoparticles using <i>Cydonia oblonga</i> extract and evaluation of their cytotoxicity and photocatalytic activities. <i>Journal of Molecular Structure</i> , 2020, 1217, 128378.	1.8	38
76	Delivery of oxaliplatin to colorectal cancer cells by folate-targeted UiO-66-NH ₂ . <i>Toxicology and Applied Pharmacology</i> , 2021, 423, 115573.	1.3	38
77	Green chemical approach for the synthesis of SnO ₂ nanoparticles and its application in photocatalytic degradation of Eriochrome Black T dye. <i>Optik</i> , 2021, 242, 167152.	1.4	38
78	Preparation of starch stabilized silver nanoparticles with spatial self-phase modulation properties by laser ablation technique. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 102, 189-194.	1.1	37
79	Anticancer, antimicrobial, and dye degradation activity of biosynthesised silver nanoparticle using <i>Artemisia kopetdaghensis</i> . <i>Micro and Nano Letters</i> , 2020, 15, 1046-1050.	0.6	37
80	Synthesis and Characterization of Silver/Clay Nanocomposites by Chemical Reduction Method. <i>American Journal of Applied Sciences</i> , 2009, 6, 1909-1914.	0.1	36
81	Plant-based synthesis of silver nanoparticles in <i>Handelia trichophylla</i> and their biological activities. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	0.8	36
82	Biological synthesis of silver nanoparticles in <i>Tribulus terrestris</i> L. extract and evaluation of their photocatalyst, antibacterial, and cytotoxicity effects. <i>Research on Chemical Intermediates</i> , 2019, 45, 2915-2925.	1.3	36
83	Phyto-synthesis of silver nanoparticles using aerial extract of <i>Salvia leriifolia</i> Benth and evaluation of their antibacterial and photo-catalytic properties. <i>Research on Chemical Intermediates</i> , 2019, 45, 1105-1116.	1.3	36
84	Zinc-doped cerium oxide nanoparticles: Sol-gel synthesis, characterization, and investigation of their in vitro cytotoxicity effects. <i>Journal of Molecular Structure</i> , 2017, 1149, 771-776.	1.8	35
85	Biosynthesis of silver-doped nickel oxide nanoparticles and evaluation of their photocatalytic and cytotoxicity properties. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	35
86	Green facile synthesis of silver-doped cerium oxide nanoparticles and investigation of their cytotoxicity and antibacterial activity. <i>Inorganic Chemistry Communication</i> , 2021, 131, 108762.	1.8	34
87	Time-dependent preparation of gelatin-stabilized silver nanoparticles by pulsed Nd:YAG laser. <i>Solid State Sciences</i> , 2011, 13, 520-524.	1.5	33
88	Honey-based synthesis of ZnO nanopowders and their cytotoxicity effects. <i>Advanced Powder Technology</i> , 2015, 26, 991-996.	2.0	33
89	Antimycobacterial, Anticancer, Antioxidant and Photocatalytic Activity of Biosynthesized Silver Nanoparticles Using <i>Berberis Integerrima</i> . <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2022, 46, 1-11.	0.7	33
90	Production of new cellulose nanocrystals from <i>Ferula gummosa</i> and their use in medical applications via investigation of their biodistribution. <i>Industrial Crops and Products</i> , 2019, 139, 111538.	2.5	32

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91	Biosynthesis of Se-Nanorods using Gum Arabic (GA) and investigation of their photocatalytic and cytotoxicity effects. <i>Inorganic Chemistry Communication</i> , 2021, 128, 108589.	1.8	32
92	Role of Pullulan in preparation of ceria nanoparticles and investigation of their biological activities. <i>Journal of Molecular Structure</i> , 2018, 1157, 127-131.	1.8	30
93	Biopolymer-template synthesized CaSO ₄ nanoparticles and evaluation of their photocatalytic activity and cytotoxicity effects. <i>Ceramics International</i> , 2022, 48, 16306-16311.	2.3	30
94	Green synthesis of selenium nanoparticle by <i>Abelmoschus esculentus</i> extract and assessment of its antibacterial activity. <i>Materials Technology</i> , 2022, 37, 1289-1297.	1.5	29
95	Soybean oil-based nanoemulsion systems in absence and presence of curcumin: Molecular dynamics simulation approach. <i>Journal of Molecular Liquids</i> , 2018, 264, 242-252.	2.3	28
96	Biomedical Waste Management by Using Nanophotocatalysts: The Need for New Options. <i>Materials</i> , 2020, 13, 3511.	1.3	28
97	One-pot hydrothermal synthesis of carbon quantum dots from <i>Salvia hispanica</i> L. seeds and investigation of their biodistribution, and cytotoxicity effects. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105461.	3.3	28
98	Green synthesis of ^{99m} Tc-labeled-Fe ₃ O ₄ nanoparticles using Quince seeds extract and evaluation of their cytotoxicity and biodistribution in rats. <i>Journal of Molecular Structure</i> , 2019, 1196, 394-402.	1.8	27
99	Role of oxygen vacancies on photo-catalytic activities of green synthesized ceria nanoparticles in <i>Cydonia oblonga</i> miller seeds extract and evaluation of its cytotoxicity effects. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152553.	2.8	27
100	Plant-based synthesis of cerium oxide nanoparticles as a drug delivery system in improving the anticancer effects of free temozolomide in glioblastoma (U87) cells. <i>Ceramics International</i> , 2022, 48, 30441-30450.	2.3	27
101	Preparation of tin oxide (IV) nanoparticles by a green chemistry method and investigation of its role in the removal of organic dyes in water purification. <i>Research on Chemical Intermediates</i> , 2020, 46, 2155-2168.	1.3	26
102	Evaluation of Antifungal and Photocatalytic Activities of Gelatin-Stabilized Selenium Oxide Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 3036-3044.	1.9	26
103	Green Synthesis of Fluorescent Carbon Dots from <i>Elaeagnus angustifolia</i> and its Application as Tartrazine Sensor. <i>Journal of Fluorescence</i> , 2021, 31, 185-193.	1.3	26
104	Synthesis and antibacterial activity of colloidal selenium nanoparticles in chitosan solution: a new antibacterial agent. <i>Materials Research Express</i> , 2019, 6, 1250h3.	0.8	25
105	pH-responsive and CD44-targeting by Fe ₃ O ₄ /MSNs-NH ₂ nanocarriers for Oxaliplatin loading and colon cancer treatment. <i>Inorganic Chemistry Communication</i> , 2021, 125, 108430.	1.8	25
106	Cerium oxide nanoparticles: A promising tool for the treatment of fibrosarcoma in-vivo. <i>Materials Science and Engineering C</i> , 2020, 109, 110533.	3.8	24
107	Plant-based synthesis of Ag-doped ZnO/MgO nanocomposites using <i>Caccinia macranthera</i> extract and evaluation of their photocatalytic activity, cytotoxicity, and potential application as a novel sensor for detection of Pb ²⁺ ions. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	24
108	Biopolymer-mediated synthesis of Fe ₃ O ₄ nanoparticles and investigation of their in vitro cytotoxicity effects. <i>Journal of Molecular Structure</i> , 2017, 1141, 594-599.	1.8	23

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109	Bio-based synthesis of Nano-Ceria and evaluation of its bio-distribution and biological properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 830-836.	2.5	23
110	Evaluation of genotoxicity and cytotoxicity induced by different molecular weights of polyethylenimine/DNA nanoparticles. <i>Turkish Journal of Biology</i> , 2014, 38, 380-387.	2.1	22
111	Photocatalytic and Biological Attributes of Green Synthesized Nickel Oxide Nanoparticles by <i>Rheum Turkestanicum</i> (RT) Root Extract. <i>ChemistrySelect</i> , 2019, 4, 2416-2420.	0.7	22
112	When metal-organic framework mediated smart drug delivery meets gastrointestinal cancers. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3967-3982.	2.9	22
113	Synthesis, purification and microstructural characterization of nickel doped carbon nanotubes for spintronic applications. <i>Ceramics International</i> , 2016, 42, 5600-5606.	2.3	21
114	Green synthesis of selenium nanoparticles using <i>Rosmarinus officinalis</i> and investigated their antimicrobial activity. <i>BioMetals</i> , 2022, 35, 147-158.	1.8	21
115	The effect of laser repetition rate on the LASiS synthesis of biocompatible silver nanoparticles in aqueous starch solution. <i>International Journal of Nanomedicine</i> , 2013, 8, 233.	3.3	20
116	Cytotoxicity and photocatalytic applications of biosynthesized ZnO nanoparticles by <i>Rheum turketanicum</i> rhizome extract. <i>Materials Research Express</i> , 2019, 6, 125016.	0.8	20
117	Green synthesized selenium nanoparticles for ovarian cancer cell apoptosis. <i>Research on Chemical Intermediates</i> , 2021, 47, 2539.	1.3	20
118	Evaluation and comparison of the effects of biosynthesized selenium and silver nanoparticles using plant extracts with antifungal drugs on the growth of <i>Aspergillus</i> and <i>Candida</i> species. <i>Rendiconti Lincei</i> , 2021, 32, 791-803.	1.0	19
119	Green synthesis of chitosan-coated magnetic nanoparticles for drug delivery of oxaliplatin and irinotecan against colorectal cancer cells. <i>Polymer Bulletin</i> , 2022, 79, 10595-10613.	1.7	19
120	Facile synthesis and characterization of lanthanum (III) oxychloride nanoparticles using a natural polymeric matrix. <i>Materials Chemistry and Physics</i> , 2012, 136, 705-709.	2.0	18
121	CdO-NPs; synthesis from 1D new nano Cd coordination polymer, characterization and application as anti-cancer drug for reducing the viability of cancer cells. <i>Journal of Molecular Structure</i> , 2017, 1134, 599-605.	1.8	18
122	Biosynthesis of selenium nanoparticles by <i>Aspergillus flavus</i> and <i>Candida albicans</i> for antifungal applications. <i>Micro and Nano Letters</i> , 2021, 16, 656-669.	0.6	18
123	Laser based fabrication of chitosan mediated silver nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 105, 255-259.	1.1	17
124	Investigation on nonlinear-optical properties of palm oil/silver nanoparticles. <i>Journal of the European Optical Society-Rapid Publications</i> , 0, 7, .	0.9	17
125	Preparation, characterization, and antibacterial activity of β -irradiated silver nanoparticles in aqueous gelatin. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2013, 20, 403-409.	2.4	17
126	Biocomponents and Antioxidant Activity of <i>Ribes khorasanicum</i> . <i>International Journal of Basic Science in Medicine</i> , 2018, 3, 99-103.	0.1	17

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127	Green and efficient synthesis of carbon quantum dots from cordia myxa L. and their application in photocatalytic degradation of organic dyes. Journal of Molecular Structure, 2022, 1266, 133456.	1.8	17
128	Gene delivery to neuroblastoma cells by poly (l-lysine)-grafted low molecular weight polyethylenimine copolymers. Biologicals, 2016, 44, 212-218.	0.5	16
129	Polyethylenimine-associated cerium oxide nanoparticles: A novel promising gene delivery vector. Life Sciences, 2019, 232, 116661.	2.0	16
130	The Role of Green Reducing Agents in Gelatin-Based Synthesis of Colloidal Selenium Nanoparticles and Investigation of Their Antimycobacterial and Photocatalytic Properties. Journal of Cluster Science, 2019, 30, 767-775.	1.7	16
131	Zinc selenide nanoparticles (ZnSe-NPs): Green synthesis and investigation of their cytotoxicity effects. Ceramics International, 2016, 42, 12115-12118.	2.3	15
132	Green synthesis of hexagonal-shaped zinc oxide nanosheets using mucilage from flaxseed for removal of methylene blue from aqueous solution. Journal of Molecular Liquids, 2019, 296, 111834.	2.3	15
133	Evaluation and comparison of cytotoxicity, genotoxicity, and apoptotic effects of poly-l-lysine/plasmid DNA micro- and nanoparticles. Human and Experimental Toxicology, 2019, 38, 983-991.	1.1	15
134	Synthesis, 99mTc-radiolabeling, and biodistribution of new cellulose nanocrystals from Dorema kopetdaghensis. International Journal of Biological Macromolecules, 2020, 146, 299-310.	3.6	15
135	The effect of biosynthesized selenium nanoparticles on the expression of <i>CYP51A</i> and <i>HSP90</i> antifungal resistance genes in <i>Aspergillus fumigatus</i> and <i>Aspergillus flavus</i> . Biotechnology Progress, 2022, 38, e3206.	1.3	15
136	Amorphous calcium phosphate nanoparticles-based mouthwash: preparation, characterization, and anti-bacterial effects. Green Chemistry Letters and Reviews, 2019, 12, 278-285.	2.1	14
137	Synthesis and characterizations of Ag-decorated graphene oxide nanosheets and their cytotoxicity studies. Chemical Papers, 2019, 73, 1945-1952.	1.0	14
138	Facile and greener hydrothermal honey-based synthesis of Fe ₃ O ₄ /Au core/shell nanoparticles for drug delivery applications. Journal of Cellular Biochemistry, 2019, 120, 6624-6631.	1.2	14
139	Carbon Quantum Dots Catalyzed with ZnO Nanoflowers and Poly (CTAB) Nanosensor for Simultaneous Sensitive Detection of Paracetamol and Ciprofloxacin in Biological Samples. Electroanalysis, 2020, 32, 1818-1827.	1.5	14
140	Preparation and Applications of Superparamagnetic Iron Oxide Nanoparticles in Novel Drug Delivery Systems: An Overview. Current Medicinal Chemistry, 2021, 28, 777-799.	1.2	14
141	Antibacterial and antibiofilm efficacy of Ag NPs, Ni NPs and Al ₂ O ₃ NPs singly and in combination against multidrug-resistant Klebsiella pneumoniae isolates. Journal of Trace Elements in Medicine and Biology, 2021, 68, 126840.	1.5	14
142	OXA-CuS@UiO-66-NH ₂ as a drug delivery system for Oxaliplatin to colorectal cancer cells. Journal of Materials Science: Materials in Medicine, 2022, 33, 26.	1.7	14
143	Investigation of spatial self-phase modulation of silver nanoparticles in clay suspension. Optik, 2011, 122, 836-838.	1.4	13
144	Magnetic Amine-Functionalized UiO-66 for Oxaliplatin Delivery to Colon Cancer Cells: In Vitro Studies. Journal of Cluster Science, 2022, 33, 2345-2361.	1.7	13

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145	Fabrication of biopolymer based nanocomposite wound dressing: evaluation of wound healing properties and wound microbial load. IET Nanobiotechnology, 2017, 11, 517-522.	1.9	12
146	Recent advances in nanotechnology for the treatment of metabolic syndrome. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2019, 13, 1561-1568.	1.8	12
147	Administration of Silver Nanoparticles in Diabetes Mellitus: A Systematic Review and Meta-analysis on Animal Studies. Biological Trace Element Research, 2022, 200, 1699-1709.	1.9	12
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