

The greener synthesis of nanoparticles

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Fabrication of Au/Pd alloy nanoparticle/ <i>Pichia pastoris</i> composites: a microorganism-mediated approach. <i>RSC Advances</i> , 2013, 3, 15389.	1.7	16
2	Green synthesis of superparamagnetic Fe ₃ O ₄ nanoparticles with maltose: Its magnetic investigation. <i>Polyhedron</i> , 2013, 65, 282-287.	1.0	83
3	Dispersion of carbon nanotubes in water and non-aqueous solvents. <i>RSC Advances</i> , 2013, 3, 24812.	1.7	213
4	Earthworm extracts utilized in the green synthesis of gold nanoparticles capable of reinforcing the anticoagulant activities of heparin. <i>Nanoscale Research Letters</i> , 2013, 8, 542.	3.1	24
5	High-Performance Nanothermite Composites Based on Aloe-Vera-Directed CuO Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 13364-13374.	4.0	86
6	Synthesis of Iron-containing Nanomaterials by "Greener" Methods and Their Use for Disinfection of Water. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1558, 1.	0.1	0
7	Biosynthesis of Stable Antioxidant ZnO Nanoparticles by <i>Pseudomonas aeruginosa</i> Rhamnolipids. <i>PLoS ONE</i> , 2014, 9, e106937.	1.1	135
8	Biosynthesis of silver nanoparticles using <i>Acacia leucophloea</i> extract and their antibacterial activity. <i>International Journal of Nanomedicine</i> , 2014, 9, 2431.	3.3	77
9	Green Synthesis of Silver Nanoparticles Using <i>Elaeis guineensis</i> (Palm Leaves): An Investigation on the Effect of Reaction Time in Reduction Mechanism and Particle Size. <i>Applied Mechanics and Materials</i> , 0, 575, 36-40.	0.2	5
10	Green Nanobiotechnology: Factors Affecting Synthesis and Characterization Techniques. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-12.	1.5	408
11	Green synthesis of Fe ₃ O ₄ nanoparticles by one-pot saccharide-assisted hydrothermal method. <i>Turkish Journal of Chemistry</i> , 2014, 38, 825-836.	0.5	12
12	<i>Dendrophthoe falcata</i> (L.f) Ettingsh (Neem mistletoe): A potent bioresource to fabricate silver nanoparticles for anticancer effect against human breast cancer cells (MCF-7). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 128, 285-290.	2.0	64
13	Plant-mediated synthesis of size-controllable Ni nanoparticles with alfalfa extract. <i>Materials Letters</i> , 2014, 122, 166-169.	1.3	51
14	Organic-coated silver nanoparticles in biological and environmental conditions: Fate, stability and toxicity. <i>Advances in Colloid and Interface Science</i> , 2014, 204, 15-34.	7.0	320
15	Stirring time effect of silver nanoparticles prepared in glutathione mediated by green method. <i>Chemistry Central Journal</i> , 2014, 8, 11.	2.6	82
16	Neutron and X-ray diffraction study of ferrite nanocrystals obtained by microwave-assisted growth. A structural comparison with the thermal synthetic route. <i>Journal of Applied Crystallography</i> , 2014, 47, 414-420.	1.9	42
17	Honey aided solution synthesis of polycrystalline Cu ₂ O particles. <i>Materials Letters</i> , 2014, 128, 253-255.	1.3	10
18	Biosynthesis of Stable Iron Oxide Nanoparticles in Aqueous Extracts of <i>Hordeum vulgare</i> and <i>Rumex acetosa</i> Plants. <i>Langmuir</i> , 2014, 30, 5982-5988.	1.6	248

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19	Iron(II,III)â€“Polyphenol Complex Nanoparticles Derived from Green Tea with Remarkable Ecotoxicological Impact. ACS Sustainable Chemistry and Engineering, 2014, 2, 1674-1680.	3.2	122
20	Spectroscopy investigation on chemo-catalytic, free radical scavenging and bactericidal properties of biogenic silver nanoparticles synthesized using <i>Salicornia brachiata</i> aqueous extract. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 349-355.	2.0	72
21	Direct isolation of flavonoids from plants using ultraâ€“small anatase TiO_2 nanoparticles. Plant Journal, 2014, 77, 443-453.	2.8	53
23	Biosynthesis of Quantum Dots (CdTe) and its Effect on <i>Eisenia fetida</i> and <i>Escherichia coli</i> . Chromatographia, 2014, 77, 1441-1449.	0.7	16
24	β -Sitosterol-glucopyranoside isolated from <i>Desmostachya bipinnata</i> mediates photoinduced rapid green synthesis of silver nanoparticles. RSC Advances, 2014, 4, 59130-59136.	1.7	33
25	Electro-catalytically active Au@Pt nanoparticles for hydrogen evolution reaction: an insight into a tryptophan mediated supramolecular interface towards a universal coreâ€“shell synthesis approach. RSC Advances, 2014, 4, 48458-48464.	1.7	17
26	Nanotechnology-based remediation of petroleum impurities from water. Journal of Petroleum Science and Engineering, 2014, 122, 705-718.	2.1	52
27	Green synthesis of gold nanoparticles using aqueous <i>Aegle marmelos</i> leaf extract and their application for thiamine detection. RSC Advances, 2014, 4, 28645.	1.7	40
28	Exploitation of anaerobic enriched mixed bacteria (AEMB) for the silver and gold nanoparticles synthesis. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 462, 264-270.	2.3	35
29	Ultrasmall Copper Nanoparticles Synthesized with a Plant Tea Reducing Agent. ACS Sustainable Chemistry and Engineering, 2014, 2, 1933-1939.	3.2	91
30	Hydrogen production by <i>Escherichia coli</i> without nitrogen sparging and subsequent use of the waste culture for fast mass scale one-pot green synthesis of silver nanoparticles. International Journal of Hydrogen Energy, 2014, 39, 11902-11912.	3.8	15
31	In vivo synthesis of nanomaterials in plants: location of silver nanoparticles and plant metabolism. Nanoscale Research Letters, 2014, 9, 101.	3.1	96
32	Functional cellulose-based nanofibers with catalytic activity: Effect of Ag content and Ag phase. International Journal of Biological Macromolecules, 2014, 67, 394-400.	3.6	10
33	On-the-surface photoconductive response of pelletized thin In_2S_3 nanosheets. Materials Research Bulletin, 2014, 55, 176-181.	2.7	6
34	Kinetic Mechanism on Synthesis of Copper Nanoparticle from Reduction Reaction - Effect of Temperature. Applied Mechanics and Materials, 2015, 754-755, 1012-1016.	0.2	0
35	Hybrid Leaching: An Emerging Trend in Bioprocessing of Secondary Resources. , 2015, , 377-400.		1
36	Plasma-Induced Wafer-Scale Self-Assembly of Silver Nanoparticles and Application to Biochemical Sensing. Materials, 2015, 8, 3806-3814.	1.3	5
37	A Review on the Green Synthesis of Silver Nanoparticles and Their Morphologies Studied via TEM. Advances in Materials Science and Engineering, 2015, 2015, 1-9.	1.0	212

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38	Biosynthesis of Silver Nanoparticles and Its Applications. Journal of Nanotechnology, 2015, 2015, 1-18.	1.5	155
39	Facile Biosynthesis and Antioxidant Property of Nanogold-Cellulose Fiber Composite. Journal of Nanomaterials, 2015, 2015, 1-9.	1.5	16
40	Caffeic Acid: Potential Applications in Nanotechnology as a Green Reducing Agent for Sustainable Synthesis of Gold Nanoparticles. Natural Product Communications, 2015, 10, 1934578X1501000.	0.2	3
41	Green Synthesis of Silver Nanoparticles Using an Otherwise Worthless Weed Mimosa (<i>Mimosa</i>) Tj ETQq1 1 0.784314 rgBT /Overlock Technology, 2015, 33, 638-644.	1.1	23
42	Nanomaterials for Antibacterial Textiles. , 2015, , 191-216.		26
43	Tailoring of optical properties of fluorescein using green synthesized gold nanoparticles. Physical Chemistry Chemical Physics, 2015, 17, 15813-15821.	1.3	21
44	Greener approach for synthesis of antibacterial silver nanoparticles using aqueous solution of neem gum (<i>Azadirachta indica</i> L.). Industrial Crops and Products, 2015, 66, 103-109.	2.5	189
45	Controllable biosynthesis of gold nanoparticles from a <i>Eucommia ulmoides</i> bark aqueous extract. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 142, 73-79.	2.0	93
46	Sol-gel zirconia-based nanopowders with potential applications for sensors. Ceramics International, 2015, 41, 4381-4390.	2.3	20
47	<i>Aegle marmelos</i> Leaf Extract and Plant Surfactants Mediated Green Synthesis of Au and Ag Nanoparticles by Optimizing Process Parameters Using Taguchi Method. ACS Sustainable Chemistry and Engineering, 2015, 3, 483-491.	3.2	90
48	A green chemical method for synthesis of ZnO nanoparticles from solid-state decomposition of Schiff-bases derived from amino acid alanine complexes. Ceramics International, 2015, 41, 8382-8387.	2.3	43
49	Non-aqueous metathesis as a general approach to prepare nanodispersed materials: Case study of scheelites. Journal of Solid State Chemistry, 2015, 229, 112-123.	1.4	7
50	Four psychrophilic bacteria from Antarctica extracellularly biosynthesize at low temperature highly stable silver nanoparticles with outstanding antimicrobial activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 483, 60-69.	2.3	44
51	Formation of Ag nanoparticles in PVA solution and catalytic activity of their electrospun PVA nanofibers. Fibers and Polymers, 2015, 16, 840-849.	1.1	18
52	Silver nanoparticles embedded mesoporous SiO ₂ nanosphere: an effective anticandidal agent against <i>Candida albicans</i> 077. Nanotechnology, 2015, 26, 285102.	1.3	40
53	Polyol synthesis of nanoparticles: status and options regarding metals, oxides, chalcogenides, and non-metal elements. Green Chemistry, 2015, 17, 4107-4132.	4.6	324
54	Carbon dot reduced bimetallic nanoparticles: size and surface plasmon resonance tunability for enhanced catalytic applications. Journal of Materials Chemistry A, 2015, 3, 16354-16360.	5.2	59
55	Sunlight mediated synthesis of silver nanoparticles using redox phytoprotein and their application in catalysis and colorimetric mercury sensing. Journal of Photochemistry and Photobiology B: Biology, 2015, 151, 39-45.	1.7	63

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56	A caffeic acid mediated facile synthesis of silver nanoparticles with powerful anti-cancer activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 229-234.	2.5	60
57	Environment-Friendly Magnetic Fluids for Wastewater Remediation - Synthesis and Characterization. <i>Acta Physica Polonica A</i> , 2015, 127, 647-649.	0.2	1
58	Preparation of palladium nanoparticles using <i>Euphorbia thymifolia</i> L. leaf extract and evaluation of catalytic activity in the ligand-free Stille and Hiyama cross-coupling reactions in water. <i>New Journal of Chemistry</i> , 2015, 39, 4745-4752.	1.4	101
59	Inhibition of <i>Phytophthora parasitica</i> and <i>P. capsici</i> by Silver Nanoparticles Synthesized Using Aqueous Extract of <i>Artemisia absinthium</i> . <i>Phytopathology</i> , 2015, 105, 1183-1190.	1.1	86
60	High Aspect Ratio Gold Nanorods Grown with Platinum Seeds. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11818-11825.	1.5	6
61	<i>Cucurbita pepo</i> L. extracts as a versatile hydrotropic source for the synthesis of gold nanoparticles with different shapes. <i>Green Chemistry Letters and Reviews</i> , 2015, 8, 39-47.	2.1	30
62	<i>Leucas aspera</i> mediated multifunctional CeO ₂ nanoparticles: Structural, photoluminescent, photocatalytic and antibacterial properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 452-462.	2.0	104
63	Green Synthesis of Metal Nanoparticles by Plants: Current Trends and Challenges. , 2015, , 259-275.		36
64	Nanocrystal engineering of noble metals and metal chalcogenides: controlling the morphology, composition and crystallinity. <i>CrystEngComm</i> , 2015, 17, 3727-3762.	1.3	113
65	Fabrication of Natural Polymer Assisted Mesoporous Co ₃ O ₄ /Carbon Composites for Supercapacitors. <i>Electrochimica Acta</i> , 2015, 168, 50-58.	2.6	54
66	Green synthesis of bimetallic Au@Pt nanostructures and their application for proliferation inhibition and apoptosis induction in human cervical cancer cell. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 148.	1.7	23
67	Synthesis in plants and plant extracts of silver nanoparticles with potent antimicrobial properties: current status and future prospects. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9923-9934.	1.7	112
68	Biogenic synthesis of iron nanoparticles using <i>Amaranthus dubius</i> leaf extract as a reducing agent. <i>Powder Technology</i> , 2015, 286, 744-749.	2.1	131
69	<i>Amaranthus spinosus</i> Leaf Extract Mediated FeO Nanoparticles: Physicochemical Traits, Photocatalytic and Antioxidant Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 3149-3156.	3.2	141
70	Metal-core@metal oxide-shell nanomaterials for gas-sensing applications: a review. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	126
71	Magnetic adsorbents based on micro- and nano-structured materials. <i>RSC Advances</i> , 2015, 5, 6695-6719.	1.7	135
72	Ultrasonic-assisted green synthesis of palladium nanoparticles and their nanocatalytic application in multicomponent reaction. <i>New Journal of Chemistry</i> , 2015, 39, 972-977.	1.4	42
73	Fabrication of nano-silver particles using <i>Cymodocea serrulata</i> and its cytotoxicity effect against human lung cancer A549 cells line. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 138, 885-890.	2.0	79

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74	Biosynthesized NiO nanoparticles: Potential catalyst for ammonium perchlorate and composite solid propellants. <i>Ceramics International</i> , 2015, 41, 1573-1578.	2.3	49
75	Adsorption of zinc by biogenic elemental selenium nanoparticles. <i>Chemical Engineering Journal</i> , 2015, 260, 855-863.	6.6	119
76	Green synthesized conditions impacting on the reactivity of Fe NPs for the degradation of malachite green. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 154-159.	2.0	102
77	Biosynthesis of silver nanoparticles using <i>Garcinia kola</i> and its antimicrobial potential. <i>African Journal of Pure and Applied Chemistry</i> , 2016, 10, 1-7.	0.1	10
78	Time-dependent growth of crystalline Au ⁰ -nanoparticles in cyanobacteria as self-reproducing bioreactors: 2. <i>Anabaena cylindrica</i> . <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 312-327.	1.5	32
79	Biosynthesis of Iron Nanoparticles Using Tie Guanyin Tea Extract for Degradation of Bromothymol Blue. <i>Journal of Nanotechnology</i> , 2016, 2016, 1-8.	1.5	24
80	A Green Approach for the Synthesis of Silver Nanoparticles Using Ultrasonic Radiation's Times in Sodium Alginate Media: Characterization and Antibacterial Evaluation. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-11.	1.5	32
81	SILVER NANOPARTICLES-DISK DIFFUSION TEST AGAINST <i>Escherichia coli</i> ISOLATES. <i>Revista Do Instituto De Medicina Tropical De Sao Paulo</i> , 2016, 58, 73.	0.5	18
82	The Chemotherapeutic Potential of Gold Nanoparticles Against Human Carcinomas: A Review. , 2016, , 783-811.		0
83	The dispersion, solubilization and stabilization in aqueous solution of single-walled carbon nanotubes. <i>RSC Advances</i> , 2016, 6, 68760-68787.	1.7	41
84	Physicochemical investigations of biogenic chitosan-silver nanocomposite as antimicrobial and anticancer agent. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 77-87.	3.6	69
85	Facile biosynthesis of Ag-NPs using <i>Otostegia limbata</i> plant extract: Physical characterization and auspicious biological activities. <i>AIP Advances</i> , 2016, 6, .	0.6	8
86	Green synthesis of nanoparticles: Their advantages and disadvantages. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	284
87	Facile Synthesis of Monodisperse Gold Nanocrystals Using <i>Viola oleifera</i> . <i>Nanoscale Research Letters</i> , 2016, 11, 465.	3.1	15
88	Systematical analysis of chemical methods in metal nanoparticles synthesis. <i>Theoretical Foundations of Chemical Engineering</i> , 2016, 50, 59-66.	0.2	91
90	Biosynthesis of red cabbage extract directed Ag NPs and their effect on the loss of antioxidant activity. <i>Materials Letters</i> , 2016, 179, 20-23.	1.3	71
91	Biological synthesis of fluorescent nanoparticles by cadmium and tellurite resistant Antarctic bacteria: exploring novel natural nanofactories. <i>Microbial Cell Factories</i> , 2016, 15, 76.	1.9	76
92	Bioproduction of gold nanoparticles for photothermal therapy. <i>Therapeutic Delivery</i> , 2016, 7, 287-304.	1.2	34

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93	Green synthesis of iron oxide nanoparticles. Development of magnetic hybrid materials for efficient As(V) removal. <i>Chemical Engineering Journal</i> , 2016, 301, 83-91.	6.6	204
94	Textile dye degradation using nano zero valent iron: A review. <i>Journal of Environmental Management</i> , 2016, 177, 341-355.	3.8	253
95	Colorimetric response of biogenetic gold nanoparticles to mercury (II) ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 508, 360-365.	2.3	18
96	Nanodiamond: Growth and Characterization of Nanocrystalline Diamond Films on Different Substrates. , 2016, , 702-713.		0
97	Photo-bioreduction of Ag ⁺ ions towards the generation of multifunctional silver nanoparticles: Mechanistic perspective and therapeutic potential. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 164, 306-313.	1.7	26
98	Plant-based green synthesis of metallic nanoparticles: scientific curiosity or a realistic alternative to chemical synthesis?. <i>Nanotechnology for Environmental Engineering</i> , 2016, 1, 1.	2.0	182
99	Control of size and antimicrobial activity of green synthesized silver nanoparticles. <i>Materials Letters</i> , 2016, 185, 526-529.	1.3	36
100	Leaf extract from the endemic plant <i>Peumus boldus</i> as an effective bioproduct for the green synthesis of silver nanoparticles. <i>Materials Letters</i> , 2016, 183, 255-260.	1.3	45
101	In-situ generated palladium seeds lead to single-step bioinspired growth of Au Pd bimetallic nanoparticles with catalytic performance. <i>Materials Chemistry and Physics</i> , 2016, 183, 356-365.	2.0	7
102	A new class of ionic electroactive polymers based on green synthesis. <i>Sensors and Actuators A: Physical</i> , 2016, 249, 32-44.	2.0	23
103	Plant Extract Mediated of ZnO Nanoparticles by Using Ethanol Extract of <i>Mimosa Pudica</i> Leaves and Coffee Powder. <i>Procedia Engineering</i> , 2016, 148, 43-48.	1.2	68
104	Formation of iron-containing composites. <i>Russian Journal of General Chemistry</i> , 2016, 86, 2385-2393.	0.3	0
105	Novel Graphene Sensors for Chemical and Biological Applications. , 2016, , 287-304.		0
106	Ionic Liquid Mediated Biosynthesis of Gold Nanoparticles Using <i>Elaeis Guineensis</i> (Oil Palm) Leaves Extract. <i>Procedia Engineering</i> , 2016, 148, 568-572.	1.2	11
107	Super paramagnetic iron oxide and gadolinium (FeGdO ₃) nanopowder synthesized by hydrolytic approach passes high level of biocompatibility and MRI-based dual contrast property for competent molecular imaging and therapeutic interventions. <i>Biomedical Physics and Engineering Express</i> , 2016, 2, 025010.	0.6	10
108	Microbial Enzymes: Current Features and Potential Applications in Nanobiotechnology. <i>Fungal Biology</i> , 2016, , 91-127.	0.3	4
109	Integration of organohalide-respiring bacteria and nanoscale zero-valent iron (Bio-nZVI-RD): A perfect marriage for the remediation of organohalide pollutants?. <i>Biotechnology Advances</i> , 2016, 34, 1384-1395.	6.0	67
110	A review on the biosynthesis of metallic nanoparticles (gold and silver) using bio-components of microalgae: Formation mechanism and applications. <i>Enzyme and Microbial Technology</i> , 2016, 95, 28-44.	1.6	234

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111	Biosynthesis of Metal and Metal Oxide Nanoparticles. <i>ChemBioEng Reviews</i> , 2016, 3, 55-67.	2.6	219
112	Instant synthesis of gold nanoparticles at room temperature and SERS applications. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 2658-2663.	0.9	38
113	Nickel nanoparticles generated by pulsed laser ablation in liquid CO ₂ . <i>Research on Chemical Intermediates</i> , 2016, 42, 4581-4590.	1.3	6
114	Advances in biogenic synthesis of palladium nanoparticles. <i>RSC Advances</i> , 2016, 6, 60277-60286.	1.7	41
115	Simulation and modeling of synthesis Cu nanoparticles in sodium alginate media by means of expert systems. <i>Research on Chemical Intermediates</i> , 2016, 42, 2831-2843.	1.3	3
116	Fabrication of Ag/ZnO Nanoparticles Using Ascorbic Acid as Reducing Agent. <i>Advanced Materials Research</i> , 2016, 1133, 462-466.	0.3	1
117	Selectivity Studies Towards the Synthesis of Novel Biaryl Ureas by (Hetero)Nanocatalysis: Size Control and Support Effects. <i>ChemCatChem</i> , 2016, 8, 192-199.	1.8	13
118	Biogenic synthesis of gold nanoparticles by yeast <i>Magnusiomyces ingens</i> LH-F1 for catalytic reduction of nitrophenols. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 497, 280-285.	2.3	130
119	Biosynthesis of iron nanoparticles and their application in removing phosphorus from aqueous solutions. <i>Chemistry and Ecology</i> , 2016, 32, 286-300.	0.6	42
120	Development of novel Ag/bauxite nanocomposite as a heterogeneous catalyst for biodiesel production. <i>Renewable Energy</i> , 2016, 92, 12-21.	4.3	18
121	Green synthesis of nanoparticles and its potential application. <i>Biotechnology Letters</i> , 2016, 38, 545-560.	1.1	608
122	Nanoparticles for environmental clean-up: A review of potential risks and emerging solutions. <i>Environmental Technology and Innovation</i> , 2016, 5, 10-21.	3.0	210
123	Cannonball fruit (<i>Couroupita guianensis</i> , Aubl.) extract mediated synthesis of gold nanoparticles and evaluation of its antioxidant activity. <i>Journal of Molecular Liquids</i> , 2016, 215, 229-236.	2.3	132
124	Biological synthesis of selenium and germanium nanoparticles by xylotrophic basidiomycetes. <i>Applied Biochemistry and Microbiology</i> , 2016, 52, 87-97.	0.3	6
125	Algae as crucial organisms in advancing nanotechnology: a systematic review. <i>Journal of Applied Phycology</i> , 2016, 28, 1759-1774.	1.5	164
126	Biogenic synthesis of magnetic perlite@iron oxide composite: application as a green support for dye removal. <i>Desalination and Water Treatment</i> , 2016, 57, 11859-11871.	1.0	17
127	One-step green synthesis of bimetallic Fe/Pd nanoparticles used to degrade Orange II. <i>Journal of Hazardous Materials</i> , 2016, 303, 145-153.	6.5	137
128	Antibacterial nanocarriers of resveratrol with gold and silver nanoparticles. <i>Materials Science and Engineering C</i> , 2016, 58, 1160-1169.	3.8	80

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129	Biological Synthesis of Metallic Nanoparticles: Making Sense of Greenness versus Unforeseen Arbitrariness. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2016, 20, .	1.2	4
130	Green synthesis and characterization of silver nanoparticles using <i>Artemisia absinthium</i> aqueous extract – A comprehensive study. <i>Materials Science and Engineering C</i> , 2016, 58, 359-365.	3.8	126
131	Facile green fabrication of nanostructure ZnO plates, bullets, flower, prismatic tip, closed pine cone: Their antibacterial, antioxidant, photoluminescent and photocatalytic properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 404-416.	2.0	182
132	Green synthesis of silver nanoparticles using <i>Azadirachta indica</i> aqueous leaf extract. <i>Journal of Radiation Research and Applied Sciences</i> , 2016, 9, 1-7.	0.7	724
133	Plant-based synthesis of silver nanoparticles and their characteristic properties. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2017, 6, 20-36.	0.7	3
134	Plant-Mediated Synthesis of Silver Nanoparticles and Their Stabilization by Wet Stirred Media Milling. <i>Nanoscale Research Letters</i> , 2017, 12, 83.	3.1	39
135	Nanowire networks and hollow nanospheres of Ag–Au bimetallic alloys at room temperature. <i>Nanotechnology</i> , 2017, 28, 115606.	1.3	7
136	Removal of antibiotics from aqueous solutions by green synthesized magnetite nanoparticles with selected agro-waste extracts. <i>Chemical Engineering Research and Design</i> , 2017, 107, 357-372.	2.7	116
137	A potential photocatalytic, antimicrobial and anticancer activity of chitosan-copper nanocomposite. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 1774-1782.	3.6	62
138	Green Synthesis of Nanoparticles: An Emerging Phytotechnology. , 2017, , 339-363.		6
139	Underwater Leidenfrost nanochemistry for creation of size-tailored zinc peroxide cancer nanotherapeutics. <i>Nature Communications</i> , 2017, 8, 15319.	5.8	20
140	Silver nano fabrication using leaf disc of <i>Passiflora foetida</i> Linn. <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 181-192.	1.6	24
141	In vitro antioxidant and anticataractogenic potential of silver nanoparticles biosynthesized using an ethanolic extract of <i>Tabernaemontana divaricata</i> leaves. <i>Biomedicine and Pharmacotherapy</i> , 2017, 91, 467-475.	2.5	22
142	Optically understanding the dependence of catalysis kinetics on work function of nanocatalyst. <i>Bulletin of Materials Science</i> , 2017, 40, 163-170.	0.8	9
144	Clay-supported nanoscale zero-valent iron composite materials for the remediation of contaminated aqueous solutions: A review. <i>Chemical Engineering Journal</i> , 2017, 312, 336-350.	6.6	267
145	Characterization and reactivity of iron based nanoparticles synthesized by tea extracts under various atmospheres. <i>Chemosphere</i> , 2017, 169, 413-417.	4.2	36
146	Natural Environments for Nanoparticles Synthesis of Metal, Metal Oxides, Core–Shell and Bimetallic Systems. <i>Studies in Natural Products Chemistry</i> , 2017, , 1-67.	0.8	1
147	Innovative biocapped CuO nano-photocatalysts: a rapid and green method for photocatalytic degradation of 4-nitrophenol. <i>Materials Research Innovations</i> , 0, , 1-7.	1.0	5

#	ARTICLE	IF	CITATIONS
148	Green Technologies and Environmental Sustainability. , 2017, , .		24
149	Green synthesis of copper nanoparticles with ultrasound assistance. Green Processing and Synthesis, 2017, 6, 311-316.	1.3	15
150	Synthesis and antibacterial effects of cobaltâ€™ cellulose magnetic nanocomposites. RSC Advances, 2017, 7, 20020-20026.	1.7	47
151	A Review on Synthesis, Characterization and Applications of Copper Nanoparticles Using Green Method. Nano, 2017, 12, 1750043.	0.5	83
152	Size Dependent Catalytic Activity of Actinodaphne madraspatana Bedd Leaves Mediated Silver Nanoparticles. Journal of Cluster Science, 2017, 28, 1837-1856.	1.7	11
153	Progress and perspectives for synthesis of sustainable antifouling composite membranes containing in situ generated nanoparticles. Journal of Membrane Science, 2017, 524, 502-528.	4.1	156
154	Non-classical growth of water-redispersible spheroidal gold nanoparticles assisted by leonardite humate. CrystEngComm, 2017, 19, 876-886.	1.3	11
155	Antibiofilm efficacy of green synthesized graphene oxide-silver nanocomposite using Lagerstroemia speciosa floral extract: A comparative study on inhibition of gram-positive and gram-negative biofilms. Microbial Pathogenesis, 2017, 103, 167-177.	1.3	68
156	Rapid Biological Synthesis of Silver Nanoparticles Using Plant Seed Extracts and Their Cytotoxicity on Colorectal Cancer Cell Lines. Journal of Cluster Science, 2017, 28, 595-605.	1.7	46
157	Determination of size and mass-and number-based concentration of biogenic SeNPs synthesized by lactic acid bacteria by using a multimethod approach. Analytica Chimica Acta, 2017, 992, 34-41.	2.6	35
158	Biological synthesis of metallic nanoparticles: plants, animals and microbial aspects. Nanotechnology for Environmental Engineering, 2017, 2, 1.	2.0	324
159	Green Synthesized Gold Nanoparticles for Future Biomedical Applications. , 2017, , 359-393.		11
160	Altered physiochemical properties in industrially synthesized ZnO nanoparticles regulate oxidative stress; induce in vivo cytotoxicity in embryonic zebrafish by apoptosis. Scientific Reports, 2017, 7, 13909.	1.6	71
161	Green Synthetic Nano Iron of Suaeda salsa and Removal of Hexavalent Chromium from Water. IOP Conference Series: Earth and Environmental Science, 2017, 81, 012013.	0.2	0
163	Green synthesis of copper nanoparticle using glucose and polyvinylpyrrolidone (PVP). Inorganic and Nano-Metal Chemistry, 2017, 47, 1436-1440.	0.9	22
164	Green synthesis of silver nanoparticles by using leaf extracts from the endemic <i>Buddleja globosa</i> hope. Green Chemistry Letters and Reviews, 2017, 10, 250-256.	2.1	89
165	Antimicrobial Activities of Metal Nanoparticles. , 2017, , 337-363.		31
166	Green Synthesis of Biologically Active Silver Nanoparticles through a Phytoâ€™Mediated Approach Using <i>Areca catechu</i> Leaf Extract. ChemistrySelect, 2017, 2, 10354-10359.	0.7	14

#	ARTICLE	IF	CITATIONS
167	Activation of peroxodisulfate and peroxomonosulfate by green synthesized copper nanoparticles for Methyl Orange degradation: A kinetic study. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5793-5800.	3.3	29
168	Characterisation of silver nanoparticles synthesised by <i>Bacillus thuringiensis</i> as a nanobiopesticide for insect pest control. <i>Biocontrol Science and Technology</i> , 2017, 27, 1308-1326.	0.5	23
169	<i>Aerva lanata</i> mediated phytofabrication of silver nanoparticles and evaluation of their antibacterial activity against wound associated bacteria. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 78, 539-551.	2.7	41
170	Green biosynthesis of silver nanoparticles using leaves extract of <i>Artemisia vulgaris</i> and their potential biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 408-415.	2.5	251
171	Biosynthesis of iron oxide (Fe ₂ O ₃) nanoparticles via aqueous extracts of <i>Sageretia thea</i> (Osbeck.) and their pharmacognostic properties. <i>Green Chemistry Letters and Reviews</i> , 2017, 10, 186-201.	2.1	184
172	Bactericidal potential of silver nanoparticles synthesized using cell-free extract of <i>Comamonas acidovorans</i> : in vitro and in silico approaches. <i>3 Biotech</i> , 2017, 7, 92.	1.1	36
173	Formation of silver nanoparticles in water samples from Antarctic Lake Untersee. <i>Microbiology</i> , 2017, 86, 355-362.	0.5	4
174	Controllable Biosynthesis and Properties of Gold Nanoplates Using Yeast Extract. <i>Nano-Micro Letters</i> , 2017, 9, 5.	14.4	42
175	Comparative study on toxicity of extracellularly biosynthesized and laboratory synthesized CdTe quantum dots. <i>Journal of Biotechnology</i> , 2017, 241, 193-200.	1.9	41
176	Algae-mediated biosynthesis of inorganic nanomaterials as a promising route in nanobiotechnology â€“ a review. <i>Green Chemistry</i> , 2017, 19, 552-587.	4.6	187
177	A review on green synthesis of silver nanoparticles and their applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 1272-1291.	1.9	542
178	Effect of plasma superficial treatments on antibacterial functionalization and coloration of cellulosic fabrics. <i>Applied Surface Science</i> , 2017, 392, 1126-1133.	3.1	74
179	Biosynthesis of nanoparticles of metals and metalloids by basidiomycetes. Preparation of gold nanoparticles by using purified fungal phenol oxidases. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1047-1062.	1.7	37
180	Silk functionalization by caffeic acid assisted in-situ generation of silver nanoparticles. <i>Dyes and Pigments</i> , 2017, 137, 277-283.	2.0	33
181	Dye degradation by green heterogeneous Fenton catalysts prepared in presence of <i>Camellia sinensis</i> . <i>Journal of Environmental Management</i> , 2017, 187, 82-88.	3.8	48
182	Studies of antibacterial efficacy of different biopolymer protected silver nanoparticles synthesized under reflux condition. <i>Journal of Molecular Structure</i> , 2017, 1128, 718-723.	1.8	20
184	Copper/copper oxide nanoparticles synthesis using <i>Stachys lavandulifolia</i> and its antibacterial activity. <i>IET Nanobiotechnology</i> , 2017, 11, 709-713.	1.9	76
185	Integrated Approach of Agri-nanotechnology: Challenges and Future Trends. <i>Frontiers in Plant Science</i> , 2017, 8, 471.	1.7	164

#	ARTICLE	IF	CITATIONS
186	Biological activity of green-synthesized silver nanoparticles depends on the applied natural extracts: a comprehensive study. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 871-883.	3.3	120
187	<i>In-vitro</i> cytotoxicity of biosynthesized gold nanoparticles against thyroid cancer cell lines. <i>Tropical Journal of Pharmaceutical Research</i> , 2017, 16, 1523.	0.2	8
188	Oriented Growth of MnO_2 Nanorods Using Natural Extracts from Grape Stems and Apple Peels. <i>Nanomaterials</i> , 2017, 7, 117.	1.9	42
189	Plant Extract Mediated Eco-Friendly Synthesis of Pd@Graphene Nanocatalyst: An Efficient and Reusable Catalyst for the Suzuki-Miyaura Coupling. <i>Catalysts</i> , 2017, 7, 20.	1.6	20
190	A Review on Novel Eco-Friendly Green Approach to Synthesis TiO_2 Nanoparticles Using Different Extracts. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1552-1564.	1.9	85
191	Nanoparticles synthesis by <i>Agaricus</i> soil basidiomycetes. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 44-52.	1.1	22
192	Evaluation of cell toxicity and DNA and protein binding of green synthesized silver nanoparticles. <i>Biomedicine and Pharmacotherapy</i> , 2018, 101, 137-144.	2.5	42
193	Kaffir lime leaf extract mediated synthesis, anticancer activities and antibacterial kinetics of Ag and Ag/AgCl nanoparticles. <i>Particuology</i> , 2018, 40, 160-168.	2.0	18
194	Characterization and toxicity of nanoscale fragments in wastewater treatment plant effluent. <i>Science of the Total Environment</i> , 2018, 626, 1332-1341.	3.9	17
195	Comparison of gold nanoparticles biosynthesized by cell-free extracts of <i>Labrys</i> , <i>Trichosporon montevidense</i> , and <i>Aspergillus</i> . <i>Environmental Science and Pollution Research</i> , 2018, 25, 13626-13632.	2.7	8
196	Green synthesis of silver nanoparticles and biopolymer nanocomposites: a comparative study on physico-chemical, antimicrobial and anticancer activity. <i>Bulletin of Materials Science</i> , 2018, 41, 1.	0.8	45
197	Green synthesis of copper oxide nanoparticles impregnated on activated carbon using <i>Moringa oleifera</i> leaves extract for the removal of nitrates from water. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 2378-2386.	0.9	31
198	Green synthesis and characterization of copper nanoparticles using <i>Azadirachta indica</i> leaves. <i>Materials Chemistry and Physics</i> , 2018, 213, 44-51.	2.0	175
199	Aqueous <i>Eucalyptus globulus</i> leaf extract-mediated biosynthesis of MgO nanorods. <i>Applied Biological Chemistry</i> , 2018, 61, 197-208.	0.7	40
200	Room-Temperature Turkevich Method: Formation of Gold Nanoparticles at the Speed of Mixing Using Cyclic Oxocarbon Reducing Agents. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5105-5118.	1.5	44
201	Green synthesis and antibacterial effects of aqueous colloidal solutions of silver nanoparticles using clove eugenol. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4276.	1.7	29
202	Eco-friendly preparation of zinc oxide nanoparticles using <i>Tabernaemontana divaricata</i> and its photocatalytic and antimicrobial activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 181, 53-58.	1.7	282
203	<i>In vitro</i> magnetic hyperthermia using polyphenol-coated Fe_3O_4 @ Fe_2O_3 nanoparticles from <i>Cinnamomum verum</i> and <i>Vanilla planifolia</i> : the concert of green synthesis and therapeutic possibilities. <i>Nanotechnology</i> , 2018, 29, 074001.	1.3	41

#	ARTICLE	IF	CITATIONS
204	Green synthesis with enhanced magnetization and life cycle assessment of Fe ₃ O ₄ nanoparticles. Environmental Nanotechnology, Monitoring and Management, 2018, 9, 58-66.	1.7	33
205	Ferulic acid promoted in-situ generation of AgNPs@silks as functional colorants. Journal of Cleaner Production, 2018, 176, 736-744.	4.6	27
206	Methanol aided synthesis of PdNPs decorated on montmorillonite K 10 and its implication in Suzuki Miyaura type cross coupling reaction under base free condition. Applied Organometallic Chemistry, 2018, 32, e4192.	1.7	9
207	Fulfillment of green chemistry for synthesis of silver nanoparticles using root and leaf extracts of <i>Ferula persica</i> : Solid-state route vs. solution-phase method. Journal of Cleaner Production, 2018, 192, 514-530.	4.6	40
208	Microwave assisted green synthesis and characterizations of noble metal nanoparticles and their roles as catalysts in organic reduction reactions and anticancer agent. Materials Research Express, 2018, 5, 045032.	0.8	7
209	Nano-wastes and the Environment: Potential Challenges and Opportunities of Nano-waste Management Paradigm for Greener Nanotechnologies. , 2018, , 1-72.		7
210	A review on microreactors: Reactor fabrication, design, and cutting-edge applications. Chemical Engineering Science, 2018, 189, 431-448.	1.9	191
211	Colorimetric and Fiber Optic Sensing of Cysteine Using Green Synthesized Gold Nanoparticles. Plasmonics, 2018, 13, 327-334.	1.8	10
212	Hydrothermal green synthesis of gold nanoparticles using mushroom (<i>Agaricus bisporus</i>) extract: physico-chemical characteristics and antifungal activity studies. Green Processing and Synthesis, 2018, 7, 38-47.	1.3	73
213	Green synthesis of magnetic Fe ₃ O ₄ nanoparticles using <i>Couroupita guianensis</i> Aubl. fruit extract for their antibacterial and cytotoxicity activities. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 589-598.	1.9	120
214	Green synthesis of silver nanoparticles in oil-in-water microemulsion and nano-emulsion using geranium leaf aqueous extract as a reducing agent. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 536, 60-67.	2.3	136
215	Multiligand Metal-Phenolic Assembly from Green Tea Infusions. ACS Applied Materials & Interfaces, 2018, 10, 7632-7639.	4.0	60
216	Production of copper loaded lipid microparticles by PGSS [®] (particles from gas saturated solutions) process. Journal of Supercritical Fluids, 2018, 131, 124-129.	1.6	2
217	Managing wastes as green resources: cigarette butt-synthesized pesticides are highly toxic to malaria vectors with little impact on predatory copepods. Environmental Science and Pollution Research, 2018, 25, 10456-10470.	2.7	24
218	Cellular imaging and folate receptor targeting delivery of gum kondagogu capped gold nanoparticles in cancer cells. International Journal of Biological Macromolecules, 2018, 109, 220-230.	3.6	43
219	Facile and eco-friendly fabrication of AgNPs coated silk for antibacterial and antioxidant textiles using honeysuckle extract. Journal of Photochemistry and Photobiology B: Biology, 2018, 178, 463-471.	1.7	58
220	Synthesis and characterization of gold-conjugated <i>Backhousia citriodora</i> nanoparticles and their anticancer activity against MCF-7 breast and HepG2 liver cancer cell lines. Journal of Materials Science, 2018, 53, 3106-3118.	1.7	40
221	Antibacterial and cytotoxicity effects of biogenic palladium nanoparticles synthesized using fruit extract of <i>Couroupita guianensis</i> Aubl.. Journal of Applied Biomedicine, 2018, 16, 59-65.	0.6	44

#	ARTICLE	IF	CITATIONS
222	Nanomaterials for water cleaning and desalination, energy production, disinfection, agriculture and green chemistry. <i>Environmental Chemistry Letters</i> , 2018, 16, 11-34.	8.3	63
223	Sequential injection-chemiluminescence evaluation of stigmasterol glucoside and luteolin via green synthesis of silver nanoparticles using biomass of <i>Plectranthus asirensis</i> . <i>Green Chemistry Letters and Reviews</i> , 2018, 11, 523-533.	2.1	9
224	Prospects of Nanobioremediation in Environmental Cleanup. <i>Oriental Journal of Chemistry</i> , 2018, 34, 2838-2850.	0.1	35
225	Green-Synthesized Silver Nanoparticles and Their Potential for Antibacterial Applications. , 0, , .		3
226	Green synthesis and characterization of silver nanoparticle from <i>ampelocissus latifolia</i> root extract. <i>Materials Today: Proceedings</i> , 2018, 5, 26271-26279.	0.9	8
227	Life cycle analysis of the synthesis of eco-friendly metallic nanoparticles. <i>Contemporary Engineering Sciences</i> , 2018, 11, 1227-1234.	0.2	2
228	EFFECT OF PROCESS PARAMETERS ON THE SYNTHESIS OF SILVER NANOPARTICLES AND ITS EFFECTS ON MICROBES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2018, 80, .	0.3	5
229	Biosynthesis of ferric oxide nanoparticles using <i>Pometia pinnata</i> J.R.Frost. & G.Forst. leaves water extract. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	5
230	Biosynthesis of flower-shaped Au nanoclusters with EGCG and their application for drug delivery. <i>Journal of Nanobiotechnology</i> , 2018, 16, 90.	4.2	23
231	Environmental Nanotechnology: Applications of Nanoparticles for Bioremediation. <i>Nanotechnology in the Life Sciences</i> , 2018, , 301-315.	0.4	13
232	Foe to Friend: Supramolecular Nanomedicines Consisting of Natural Polyphenols and Bortezomib. <i>Nano Letters</i> , 2018, 18, 7045-7051.	4.5	109
233	Sustainable scalable synthesis of sulfide nanocrystals at low cost with an ionic liquid sulfur precursor. <i>Nature Communications</i> , 2018, 9, 4078.	5.8	13
236	<i>Moringa oleifera</i> Leaf Powder Madura Variety: Characterization and Biomaterials Property for Biomedical and Nanotechnology Application. <i>Journal of Physics: Conference Series</i> , 2018, 1093, 012007.	0.3	7
237	Plants as Fabricators of Biogenic Platinum Nanoparticles: A Gambit Endeavour. <i>Nanotechnology in the Life Sciences</i> , 2018, , 147-170.	0.4	0
238	Green synthesis of manganese nanoparticles: Applications and future perspective—A review. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 189, 234-243.	1.7	116
239	Bacterial Exopolysaccharides as Reducing and/or Stabilizing Agents during Synthesis of Metal Nanoparticles with Biomedical Applications. <i>International Journal of Polymer Science</i> , 2018, 2018, 1-15.	1.2	53
240	Green Synthesis of Ag, Cu and AgCu Nanoparticles using Palm Leaves Extract as the Reducing and Stabilizing Agents. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 358, 012063.	0.3	9
241	Biogenesis of copper oxide nanoparticles (CuONPs) using <i>Sida acuta</i> and their incorporation over cotton fabrics to prevent the pathogenicity of Gram negative and Gram positive bacteria. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 188, 126-134.	1.7	212

#	ARTICLE	IF	CITATIONS
242	Biosynthesis of Ag, Se, and ZnO nanoparticles with antimicrobial activities against resistant pathogens using waste isolate <i>Streptomyces enissocaesilis</i> . IET Nanobiotechnology, 2018, 12, 741-747.	1.9	25
243	Biosynthesis of Ultrasonically Modified Ag-MgO Nanocomposite and Its Potential for Antimicrobial Activity. Journal of Nanotechnology, 2018, 2018, 1-10.	1.5	30
244	Benign nano-assemblages of silver induced by β -galactosidase with augmented antimicrobial and industrial dye degeneration potential. Materials Science and Engineering C, 2018, 91, 570-578.	3.8	17
245	Greener Biogenic Approach for the Synthesis of Palladium Nanoparticles Using Papaya Peel: An Eco-Friendly Catalyst for C-C Coupling Reaction. ACS Omega, 2018, 3, 5327-5335.	1.6	55
246	Comparison studies on catalytic properties of silver nanoparticles biosynthesized via aqueous leaves extract of <i>Hibiscus rosa sinensis</i> and <i>Imperata cylindrica</i> . AIP Conference Proceedings, 2018, , .	0.3	0
247	Interaction of Nanoparticles With Biomolecules, Protein, Enzymes, and Its Applications. , 2018, , 253-276.		11
248	Tools and techniques for the optimized synthesis, reproducibility and scale up of desired nanoparticles from plant derived material and their role in pharmaceutical properties. , 2018, , 85-131.		3
249	Modeling and Synthesis of Ag and Ag/Ni Allied Bimetallic Nanoparticles by Green Method: Optical and Biological Properties. International Journal of Biomaterials, 2018, 2018, 1-17.	1.1	35
250	Synthesis of nanomaterials from various wastes and their new age applications. Journal of Cleaner Production, 2018, 197, 1190-1209.	4.6	104
251	One pot green fabrication of metallic silver nanoscale materials using <i>Crescentia cujete</i> L. and assessment of their bactericidal activity. IET Nanobiotechnology, 2018, 12, 505-508.	1.9	5
252	Gold nanoparticles: A plausible tool to combat neurological bacterial infections in humans. Biomedicine and Pharmacotherapy, 2018, 107, 7-18.	2.5	31
253	Comparative Evaluation of <i>Prosopis cineraria</i> (L.) Druce and Its ZnO Nanoparticles on Scopolamine Induced Amnesia. Frontiers in Pharmacology, 2018, 9, 549.	1.6	17
254	Effect of Phenolic Compounds on the Synthesis of Gold Nanoparticles and its Catalytic Activity in the Reduction of Nitro Compounds. Nanomaterials, 2018, 8, 320.	1.9	66
255	Biosynthesized silver and gold nanoparticles are potent antimycotics against opportunistic pathogenic yeasts and dermatophytes. International Journal of Nanomedicine, 2018, Volume 13, 695-703.	3.3	78
256	Green synthesis of silver nanoparticles using turmeric extracts and investigation of their antibacterial activities. Colloids and Surfaces B: Biointerfaces, 2018, 171, 398-405.	2.5	244
257	Fungal inhibition and chemical characterization of wood treated with novel polystyrene-soybean oil copolymer containing silver nanoparticles. International Biodeterioration and Biodegradation, 2018, 133, 210-215.	1.9	30
258	Facile and Eco-Friendly Fabrication of Colored and Bioactive Silk Materials Using Silver Nanoparticles Synthesized by Two Flavonoids. Polymers, 2018, 10, 404.	2.0	25
259	Study of agglomeration and magnetic sedimentation of Glutathione@Fe ₃ O ₄ nanoparticles in water medium. DYNA (Colombia), 2018, 85, 19-26.	0.2	14

#	ARTICLE	IF	CITATIONS
260	Nanoplasmonic optical antennas for life sciences and medicine. <i>Nature Reviews Materials</i> , 2018, 3, 228-243.	23.3	106
261	An Eco-Friendly Method of BaTiO ₃ Nanoparticle Synthesis Using Coconut Water. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-7.	1.5	11
262	Phytofunctionalized silver nanoparticles: green biomaterial for biomedical and environmental applications. <i>Reviews in Inorganic Chemistry</i> , 2018, 38, 127-149.	1.8	28
263	Silver Nanoparticles and Polyphenol Inclusion Compounds Composites for <i>Phytophthora cinnamomi</i> Mycelial Growth Inhibition. <i>Antibiotics</i> , 2018, 7, 76.	1.5	15
264	Magnetic nickel ferrite nanoparticles: Green synthesis by <i>Urtica</i> and therapeutic effect of frequency magnetic field on creating cytotoxic response in neural cell lines. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 244-253.	2.5	87
265	Bioinspired synthesis as a potential green method for the preparation of nanomaterials: Opportunities and challenges. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018, 12, 110-116.	3.2	51
266	Ultra Small, mono dispersed green synthesized silver nanoparticles using aqueous extract of <i>Sida cordifolia</i> plant and investigation of antibacterial activity. <i>Microbial Pathogenesis</i> , 2018, 124, 63-69.	1.3	87
267	Similarities and Differences between Silver Ions and Silver in Nanoforms as Antibacterial Agents. <i>International Journal of Molecular Sciences</i> , 2018, 19, 444.	1.8	307
268	Iron and Iron Oxide Nanoparticles Synthesized with Green Tea Extract: Differences in Ecotoxicological Profile and Ability To Degrade Malachite Green. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8679-8687.	3.2	93
269	<i>Viola oleifera</i> -capped gold nanoparticles showing radical-scavenging activity and low cytotoxicity. <i>Materials Science and Engineering C</i> , 2018, 91, 853-858.	3.8	9
270	Facile green synthesis of Fe ₃ O ₄ nanoparticles using aqueous leaf extract of <i>Zanthoxylum armatum</i> DC. for efficient adsorption of methylene blue. <i>Journal of Asian Ceramic Societies</i> , 2018, 6, 145-155.	1.0	83
271	Synthesis of nickel oxide nanorods by <i>Aloe vera</i> leaf extract. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 913-923.	2.0	26
272	Plant-based gold nanoparticles; a comprehensive review of the decade-long research on synthesis, mechanistic aspects and diverse applications. <i>Advances in Colloid and Interface Science</i> , 2019, 272, 102017.	7.0	105
273	Metal nanoparticles fabricated by green chemistry using natural extracts: biosynthesis, mechanisms, and applications. <i>RSC Advances</i> , 2019, 9, 24539-24559.	1.7	247
274	Emerging Insights on Rhizobacterial Functions. , 2019, , 171-189.		0
275	Green Synthesis of Potent Antimicrobial Silver Nanoparticles Using Different Plant Extracts and Their Mixtures. <i>Processes</i> , 2019, 7, 510.	1.3	41
276	A Comprehensive Review of Magnetic Nanomaterials Modern Day Theranostics. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	213
277	Ionic liquid - A greener templating agent with <i>Justicia adhatoda</i> plant extract assisted green synthesis of morphologically improved Ag-Au/ZnO nanostructure and it's antibacterial and anticancer activities. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 198, 111559.	1.7	72

#	ARTICLE	IF	CITATIONS
278	Biogenic synthesis of ferric oxide nanoparticles using the leaf extract of <i>Peltophorum pterocarpum</i> and their catalytic dye degradation potential. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 20, 101251.	1.5	78
279	Regulating Transition-Metal Catalysis through Interference by Short RNAs. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16400-16404.	7.2	4
280	ANTIOXIDANT, ANTIBACTERIAL, ANTIDIABETIC POTENTIAL AND GENOTOXICITY OF SILVER NANOPARTICLES USING LEAF EXTRACT OF <i>CURCUMA LONGA</i> : A NOVEL GREEN APPROACH. <i>International Research Journal of Pharmacy</i> , 2019, 10, 127-135.	0.0	0
281	Protein assisted one pot controlled synthesis of monodispersed and multifunctional colloidal silver-gold alloy nanoparticles. <i>Journal of Molecular Liquids</i> , 2019, 291, 111303.	2.3	14
282	Shape-dependent cytotoxicity and cellular uptake of gold nanoparticles synthesized using green tea extract. <i>Nanoscale Research Letters</i> , 2019, 14, 129.	3.1	102
283	Biogenic synthesis of silver nanoparticles using Brazilian propolis. <i>Biotechnology Progress</i> , 2019, 35, e2888.	1.3	16
284	Green synthesis and Characterization of Silver Nanoparticles using Extract of Palm Tree Bark, Palm leaf and Ghaf leaf. <i>Oriental Journal of Chemistry</i> , 2019, 35, 547-551.	0.1	3
285	Gold nanoparticles: New routes across old boundaries. <i>Advances in Colloid and Interface Science</i> , 2019, 274, 102037.	7.0	72
286	Preparation of biocompatible and stable iron oxide nanoparticles using anthocyanin integrated hydrothermal method and their antimicrobial and antioxidant properties. <i>Materials Research Express</i> , 2019, 6, 125011.	0.8	22
287	Regulating Transition-Metal Catalysis through Interference by Short RNAs. <i>Angewandte Chemie</i> , 2019, 131, 16552-16556.	1.6	0
288	Inhibitory Activity of Silver Nanoparticles Synthesized Using <i>Lycopersicon Esculentum</i> against Biofilm Formation in <i>Candida</i> Species. <i>Nanomaterials</i> , 2019, 9, 1512.	1.9	19
289	Third-Body and Dissipation Energy in Green Tribology Film. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3787.	1.3	10
290	A facile method for honey mediated bio-synthesis of nickel nanoparticles and its characterisation. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2019, 10, 035008.	0.7	3
291	Plant Mediated Green Synthesis, Catalytic Activity and Antibacterial Assay of Silver Nanoparticles. <i>Asian Journal of Chemistry</i> , 2019, 31, 2037-2041.	0.1	0
292	Shape and Size Diversity of Gold, Silver, Selenium, and Silica Nanoparticles Prepared by Green Synthesis Using Fungi and Bacteria. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 17207-17218.	1.8	44
293	Eco-Friendly, Direct Deposition of Metal Nanoparticles on Graphite for Electrochemical Energy Conversion and Storage. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36525-36534.	4.0	23
294	Green synthesis of nanoparticles: A greener approach for a cleaner future. , 2019, , 1-26.		77
295	Green synthesis of phytogenic nanoparticles. , 2019, , 37-73.		21

#	ARTICLE	IF	CITATIONS
296	Iron-based nanoparticles prepared from yerba mate extract. Synthesis, characterization and use on chromium removal. Journal of Environmental Management, 2019, 235, 1-8.	3.8	28
297	NZVI Synthesis and Characterization. , 2019, , 45-95.		2
298	<p>Silver nanoparticles: aggregation behavior in biorelevant conditions and its impact on biological activity</p>. International Journal of Nanomedicine, 2019, Volume 14, 667-687.	3.3	128
299	In vitro study of folate-conjugated silver nanoparticles for enhanced anticancer activity. Bioinspired, Biomimetic and Nanobiomaterials, 2019, 8, 263-270.	0.7	2
300	Nanomaterial Synthesis: Chemical and Biological Route and Applications. , 2019, , 27-51.		18
301	Green synthesis of Fe-based material using tea polyphenols and its application as a heterogeneous Fenton-like catalyst for the degradation of lincomycin. Journal of Cleaner Production, 2019, 232, 1492-1498.	4.6	54
302	Phytosynthesis of Nanoscale Materials. , 2019, , 45-121.		3
303	Silver/silver chloride (Ag/AgCl) nanoparticles synthesized from <i>Azadirachta indica</i> latex and its antibiofilm activity against fluconazole resistant <i>Candida tropicalis</i>. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 2107-2113.	1.9	50
304	Green synthesis of silver nanoparticles by using eugenol and evaluation of antimicrobial potential. Applied Organometallic Chemistry, 2019, 33, e4969.	1.7	16
305	An insight into the comparative binding affinities of chlorogenic acid functionalized gold and silver nanoparticles with ctDNA along with its cytotoxicity analysis. Journal of Molecular Liquids, 2019, 287, 110911.	2.3	18
306	Production of Biogenic Nanoparticles for the Reduction of 4-Nitrophenol and Oxidative Laccase-Like Reactions. Frontiers in Microbiology, 2019, 10, 997.	1.5	41
307	Biogenic synthesis of silver nanoparticles and evaluation of physical and antimicrobial properties of Ag/PVA/starch nanocomposites hydrogel membranes for wound dressing application. Journal of Drug Delivery Science and Technology, 2019, 52, 403-414.	1.4	84
308	Fabrication of resveratrol coated gold nanoparticles and investigation of their effect on diabetic retinopathy in streptozotocin induced diabetic rats. Journal of Photochemistry and Photobiology B: Biology, 2019, 195, 51-57.	1.7	63
309	Microwave synthesis of ZnO nanoparticles using longan seeds biowaste and their efficiencies in photocatalytic decolorization of organic dyes. Environmental Science and Pollution Research, 2019, 26, 17548-17554.	2.7	15
310	Nanobiopesticides in agriculture: State of the art and future opportunities. , 2019, , 397-447.		19
311	Nanophotocatalysis and Environmental Applications. Environmental Chemistry for A Sustainable World, 2019, , .	0.3	7
312	Green Synthesis of Novel Photocatalysts. Environmental Chemistry for A Sustainable World, 2019, , 241-261.	0.3	0
313	Studies on interaction of green silver nanoparticles with whole bacteria by surface characterization techniques. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 1086-1092.	1.4	30

#	ARTICLE	IF	CITATIONS
314	The effect of a trimetallic nanocomposite in the solar absorber layer of organic solar cells. RSC Advances, 2019, 9, 6070-6076.	1.7	17
315	Metallic Nanoparticles Obtained via "Green" Synthesis as a Platform for Biosensor Construction. Applied Sciences (Switzerland), 2019, 9, 720.	1.3	40
316	Palladium Nanoparticles Mediated Through Bauhinia variegata: Potent In vitro Anticancer Activity Against MCF-7 Cell Lines and Antimicrobial Assay. Current Nanomaterials, 2019, 3, 168-177.	0.2	19
317	Pd Nanocatalyst Adorning Coral Reef Nanocomposite for the Synthesis of Nitriles: Utility of Cucurbita pepo Leaf Extract as a Stabilizing and Reducing Agent. Nanomaterials, 2019, 9, 565.	1.9	14
318	Plant-Mediated Green Synthesis of Nanostructures: Mechanisms, Characterization, and Applications. Interface Science and Technology, 2019, 28, 199-322.	1.6	94
319	Bioreduction of precious and heavy metals by <i>Candida</i> species under oxidative stress conditions. Microbial Biotechnology, 2019, 12, 1164-1179.	2.0	7
320	Green Synthesis, Characterization, and Investigation Antibacterial Activity of Silver Nanoparticles Using Pistacia atlantica Leaf Extract. BioNanoScience, 2019, 9, 323-333.	1.5	19
321	Doxycycline hyclate mediated silver-silver chloride nanoparticles and their antibacterial activity. Journal of Nanostructure in Chemistry, 2019, 9, 53-60.	5.3	15
322	Technology, Science, and Culture: A Global Vision. , 2019, , .		1
323	Synthesis and Biomedical Applications of Copper Oxide Nanoparticles: An Expanding Horizon. ACS Biomaterials Science and Engineering, 2019, 5, 1170-1188.	2.6	253
324	A review on green synthesis of magnetic nanoparticles (magnetite) for environmental applications. , 2019, , .		2
325	Investigating the prospects of bacterial biosurfactants for metal nanoparticle synthesis " a comprehensive review. IET Nanobiotechnology, 2019, 13, 243-249.	1.9	33
326	Green synthesis of silver nickel bimetallic nanoparticles using plant extract of <i>Salvadora persica</i> and evaluation of their various biological activities. Materials Research Express, 2019, 6, 1250k3.	0.8	13
327	Synthesis of Gold Nanoparticles Using Mimosa tenuiflora Extract, Assessments of Cytotoxicity, Cellular Uptake, and Catalysis. Nanoscale Research Letters, 2019, 14, 334.	3.1	96
328	Synthesis, characterization and photocatalytic activity of iron nanoparticles from <i>Ficus carica</i> peels via biological method. Ferroelectrics, 2019, 548, 89-96.	0.3	7
332	<p>Enhanced Anti-Bacterial Activity Of Biogenic Silver Nanoparticles Synthesized From Terminalia mantaly Extracts</p>. International Journal of Nanomedicine, 2019, Volume 14, 9031-9046.	3.3	52
333	Phytofabrication of Silver/Silver Chloride Nanoparticles Using Aqueous Leaf Extract of <i>Oedera genitifolia</i> : Characterization and Antibacterial Potential. Molecules, 2019, 24, 4382.	1.7	69
334	Exogenous Production of Silver Nanoparticles by <i>Tephrosia apollinea</i> Living Plants under Drought Stress and Their Antimicrobial Activities. Nanomaterials, 2019, 9, 1716.	1.9	16

#	ARTICLE	IF	CITATIONS
335	Green synthesis of Ag@Au bimetallic regenerated cellulose nanofibers for catalytic applications. <i>New Journal of Chemistry</i> , 2019, 43, 17090-17103.	1.4	30
336	Facile green synthesis and applications of silver nanoparticles: a state-of-the-art review. <i>RSC Advances</i> , 2019, 9, 34926-34948.	1.7	195
337	Green chemical synthesis of Pd nanoparticles for use as efficient catalyst in Suzuki–Miyaura cross-coupling reaction. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4758.	1.7	21
338	Biomolecules Assisted Synthesis of Metal Nanoparticles. <i>Environmental Chemistry for A Sustainable World</i> , 2019, , 1-23.	0.3	8
339	Preparation of cerium oxide nanoparticles in <i>Salvia Macrosiphon Boiss</i> seeds extract and investigation of their photo-catalytic activities. <i>Ceramics International</i> , 2019, 45, 4790-4797.	2.3	86
340	Green synthesis of silver nanoparticles using <i>Zingiber officinale</i> and <i>Thymus vulgaris</i> extracts: characterisation, cell cytotoxicity, and its antifungal activity against <i>Candida albicans</i> in comparison to fluconazole. <i>IET Nanobiotechnology</i> , 2019, 13, 114-119.	1.9	22
341	Single step formation of biocompatible bimetallic alloy nanoparticles of gold and silver using isonicotinylhydrazide. <i>Materials Science and Engineering C</i> , 2019, 96, 286-294.	3.8	36
342	Phyco-linked vs chemogenic magnetite nanoparticles: Route selectivity in nano-synthesis, antibacterial and acute zooplanktonic responses. <i>Materials Science and Engineering C</i> , 2019, 102, 324-340.	3.8	15
343	Lead Remediation Using Smart Materials. A Review. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 1377-1409.	1.4	39
344	Synthesis and therapeutic potential of silver nanomaterials derived from plant extracts. <i>Ecotoxicology and Environmental Safety</i> , 2019, 168, 260-278.	2.9	111
345	Simultaneous removal of pollutants from water using nanoparticles: A shift from single pollutant control to multiple pollutant control. <i>Science of the Total Environment</i> , 2019, 656, 808-833.	3.9	150
346	Recent Developments in Green Synthesis of Metal Nanoparticles Utilizing Cyanobacterial Cell Factories. , 2019, , 237-265.		20
347	Overview of microbes based fabricated biogenic nanoparticles for water and wastewater treatment. <i>Journal of Environmental Management</i> , 2019, 230, 128-150.	3.8	81
348	A novel electrochemical comparative sensing interface of MgO nanoparticles synthesized by different methods. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 753-762.	1.1	7
349	Genotoxic and cytotoxic activity of green synthesized TiO ₂ nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 815-823.	1.6	17
350	Green synthesis of iron oxide nanoparticles using <i>Platanus orientalis</i> leaf extract for antifungal activity. <i>Green Processing and Synthesis</i> , 2019, 8, 38-45.	1.3	173
351	Biosynthesis of silver nanoparticles using <i>Sida acuta</i> extract for antimicrobial actions and corrosion inhibition potential. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 1071-1078.	1.2	30
352	Effect of pH variations on morphological transformation of biosynthesized MgO nanoparticles. <i>Particulate Science and Technology</i> , 2020, 38, 573-586.	1.1	21

#	ARTICLE	IF	CITATIONS
353	Green and Sustainable Manufacturing of Metallic, Ceramic and Composite Materials. , 2020, , 474-486.		4
354	A review on anti-bacterials to combat resistance: From ancient era of plants and metals to present and future perspectives of green nano technological combinations. Asian Journal of Pharmaceutical Sciences, 2020, 15, 42-59.	4.3	137
355	Green gold nanoparticles from plant-derived materials: an overview of the reaction synthesis types, conditions, and applications. Reviews in Chemical Engineering, 2020, 36, 859-877.	2.3	26
356	Synthesis of Silver Nanoparticles Using Extracts from Yerba Mate (<i>Ilex paraguariensis</i>) Wastes. Waste and Biomass Valorization, 2020, 11, 245-253.	1.8	11
357	Rod-shaped gold nanoparticles biosynthesized using Pb ²⁺ -induced fungus <i>Aspergillus</i> sp. WL-Au. Bioprocess and Biosystems Engineering, 2020, 43, 123-131.	1.7	10
358	Facile and eco-friendly synthesis of TiO ₂ NPs using extracts of <i>Verbascum thapsus</i> plant: an efficient photocatalyst for reduction of Cr(VI) ions in the aqueous solution. Journal of the Iranian Chemical Society, 2020, 17, 205-213.	1.2	17
359	Biosynthesis of silver nanoparticles using leaf extract of <i>Aesculus hippocastanum</i> (horse chestnut): Evaluation of their antibacterial, antioxidant and drug release system activities. Materials Science and Engineering C, 2020, 107, 110207.	3.8	109
360	Bioinspired morphology-controlled silver nanoparticles for antimicrobial application. Materials Science and Engineering C, 2020, 108, 110421.	3.8	50
361	Evidence for positive response of soil bacterial community structure and functions to biosynthesized silver nanoparticles: An approach to conquer nanotoxicity?. Journal of Environmental Management, 2020, 253, 109584.	3.8	27
362	CdTe quantum dots prepared using herbal species and microorganisms and their anti-cancer, drug delivery and antibacterial applications; a review. Ceramics International, 2020, 46, 9979-9989.	2.3	27
364	Biogenically Synthesized Silver Nanoparticles Using Endophyte Fungal Extract of <i>Ocimum tenuiflorum</i> and Evaluation of Biomedical Properties. Journal of Cluster Science, 2020, 31, 1241-1255.	1.7	38
365	Gold, Silver and Iron Oxide Nanoparticles: Synthesis and Bionanoconjugation Strategies Aimed at Electrochemical Applications. Topics in Current Chemistry, 2020, 378, 12.	3.0	29
366	Progress and Prospect of Essential Mineral Nanoparticles in Poultry Nutrition and Feeding—a Review. Biological Trace Element Research, 2020, 197, 233-253.	1.9	51
367	Synthesis, characterization, optical and photocatalytic activity of yttrium and copper-co-doped zinc ferrite under visible light. Journal of Materials Science: Materials in Electronics, 2020, 31, 1168-1182.	1.1	19
368	Green synthesis of silver nanoparticles mediated by traditionally used medicinal plants in Sudan. International Nano Letters, 2020, 10, 1-14.	2.3	111
369	Green synthesis of iron-based nanomaterials for environmental remediation: A review. Environmental Nanotechnology, Monitoring and Management, 2020, 13, 100279.	1.7	69
370	Green synthesis of silver nanoparticles using <i>Eulophia herbacea</i> (Lindl.) tuber extract and evaluation of its biological and catalytic activity. SN Applied Sciences, 2020, 2, 1.	1.5	14
371	Green Synthesis of Silver Nanoparticles from Leaf Extract of <i>Nyctanthes arbor-tristis</i> L. and Assessment of Its Antioxidant, Antimicrobial Response. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 2266-2278.	1.9	28

#	ARTICLE	IF	CITATIONS
372	Antioxidant, cytotoxic and antibacterial potentials of biosynthesized silver nanoparticles using beeâ€™s honey from two different floral sources in Saudi Arabia. Saudi Journal of Biological Sciences, 2020, 27, 363-373.	1.8	34
373	Impact of green reduced graphene oxide on sewage sludge bioleaching with <i>Acidithiobacillus ferrooxidans</i> . Environmental Pollution, 2020, 267, 115455.	3.7	4
374	Green fabrication of reduced graphene oxide decorated with Ag nanoparticles (rGO/Ag NPs) nanocomposite: A reusable catalyst for the degradation of environmental pollutants in aqueous medium. Journal of Molecular Liquids, 2020, 319, 114302.	2.3	78
375	Green Synthesis of Nanoparticles: Applications and Prospects. , 2020, , .		4
376	Mechanism of formation, characterization and cytotoxicity of green synthesized zinc oxide nanoparticles obtained from <i>Ilex paraguariensis</i> leaves extract. Nano Structures Nano Objects, 2020, 24, 100532.	1.9	27
377	Antimicrobial metal-based nanoparticles: a review on their synthesis, types and antimicrobial action. Beilstein Journal of Nanotechnology, 2020, 11, 1450-1469.	1.5	80
378	Synthesis and Characterization of Spherical Calcium Carbonate Nanoparticles Derived from Cockle Shells. Applied Sciences (Switzerland), 2020, 10, 7170.	1.3	23
379	Nanoparticles: a safe way towards fungal diseases. Archives of Phytopathology and Plant Protection, 2020, 53, 781-792.	0.6	18
380	Cancer cell specific cytotoxic potential of the silver nanoparticles synthesized using the endophytic fungus, <i>Penicillium citrinum</i> CGJ-C2. Materials Today Communications, 2020, 25, 101442.	0.9	13
381	Ultrasound-assisted biosynthesis of silver and gold nanoparticles using <i>Clitoria ternatea</i> flower. South African Journal of Chemical Engineering, 2020, 34, 97-106.	1.2	23
382	Green synthesized iron nanoparticles as highly efficient fenton-like catalyst for degradation of dyes. Chemosphere, 2020, 261, 127618.	4.2	33
383	Biosynthesis, structural, photoluminescence and photocatalytic performance of Mn/Mg dual doped ZnO nanostructures using <i>Ocimum tenuiflorum</i> leaf extract. Optik, 2020, 208, 164556.	1.4	16
384	Inhibition efficiency of silver nanoparticles solution on corrosion of mild steel, stainless steel and aluminum in 1.0 M HCl medium. IOP Conference Series: Materials Science and Engineering, 2020, 805, 012018.	0.3	5
385	Nanoparticles as labels of specific-recognition reactions for the determination of biomolecules by inductively coupled plasma-mass spectrometry. Analytica Chimica Acta, 2020, 1128, 251-268.	2.6	23
386	Green nanoparticles from different plant groups. , 2020, , 51-70.		2
387	Sugar-Mediated Green Synthesis of Silver Selenide Semiconductor Nanocrystals under Ultrasound Irradiation. Molecules, 2020, 25, 5193.	1.7	17
388	â€™Hairyâ€™ root extracts as source for â€™greenâ€™ synthesis of silver nanoparticles and medical applications. RSC Advances, 2020, 10, 39434-39446.	1.7	23
389	Detection of Microorganisms in Low-Temperature Water Environments by in situ Generation of Biogenic Nanoparticles. Frontiers in Astronomy and Space Sciences, 2020, 7, .	1.1	1

#	ARTICLE	IF	CITATIONS
390	Bioinspired Synthesis of Acacia senegal Leaf Extract Functionalized Silver Nanoparticles and Its Antimicrobial Evaluation. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-8.	1.5	5
391	Phytonanofabrication: Methodology and Factors Affecting Biosynthesis of Nanoparticles. , 0, , .		22
392	Green Synthesis of Silver Nanoparticles Using Astragalus tribuloides Delile. Root Extract: Characterization, Antioxidant, Antibacterial, and Anti-Inflammatory Activities. <i>Nanomaterials</i> , 2020, 10, 2383.	1.9	79
393	Parametric optimization of laser deposited high entropy alloys using response surface methodology (RSM). <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 109, 2719-2732.	1.5	14
394	Myco-decontamination of azo dyes: nano-augmentation technologies. <i>3 Biotech</i> , 2020, 10, 384.	1.1	14
395	Electrochemical Determination of Caffeine Using Bimetallic Au~Ag Nanoparticles Obtained from Low~cost Green Synthesis. <i>Electroanalysis</i> , 2020, 32, 2745-2755.	1.5	14
396	Zinc oxide nanoparticles (ZnONPs) -induced antioxidants and photocatalytic degradation activity from hybrid grape pulp extract (HGPE). <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 28, 101730.	1.5	46
397	Green Synthesized ZnO Nanoparticles Mediated by Mentha Spicata Extract Induce Plant Systemic Resistance against Tobacco Mosaic Virus. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5054.	1.3	95
398	Removal of reactive black 5 dye using zero valent iron nanoparticles produced by a novel green synthesis method. <i>Pigment and Resin Technology</i> , 2020, 49, 215-221.	0.5	11
399	Exploration of the Antimicrobial and Catalytic Properties of Gold Nanoparticles Greenly Synthesized by <i>Cryptolepis buchanani</i> Roem. and Schult Extract. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-11.	1.5	16
400	A Brief Overview on Antioxidant Activity Determination of Silver Nanoparticles. <i>Molecules</i> , 2020, 25, 3191.	1.7	143
401	Plant extract-assisted biosynthesis of zinc oxide nanoparticles and their antibacterial application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 823, 012036.	0.3	8
402	Metal nanoparticles and medicinal plants: Present status and future prospects in cancer therapy. <i>Materials Today: Proceedings</i> , 2020, 31, 662-673.	0.9	8
403	Surface-modified Nanobiomaterials for Electrochemical and Biomedicine Applications. <i>Topics in Current Chemistry Collections</i> , 2020, , .	0.2	3
404	Biosynthesis of AgNPs and their synergistic effect in combination with ultrasound waves on breast cancer cells. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 60, 101975.	1.4	5
405	Biofabrication of zinc oxide nanoparticles from Melia azedarach and its potential in controlling soybean seed-borne phytopathogenic fungi. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1923-1930.	1.8	43
406	Platinum Nanoparticles: Green Synthesis and Biomedical Applications. <i>Molecules</i> , 2020, 25, 4981.	1.7	49
407	Phyto-inspired and scalable approach for the synthesis of PdO~ ₂ Mn₂O₃: a nano-material for application in water splitting electro-catalysis. <i>RSC Advances</i> , 2020, 10, 29961-29974.	1.7	15

#	ARTICLE	IF	CITATIONS
408	Nanobiotechnology: A Multidisciplinary Field of Science. <i>Nanotechnology in the Life Sciences</i> , 2020, , .	0.4	6
409	Palladium Nanoparticles Fabricated by Green Chemistry: Promising Chemotherapeutic, Antioxidant and Antimicrobial Agents. <i>Materials</i> , 2020, 13, 3661.	1.3	48
410	Engineering bioactive surfaces on nanoparticles and their biological interactions. <i>Scientific Reports</i> , 2020, 10, 19713.	1.6	30
411	Preparation and characterization of green synthesized cerium oxide nano particle doped with biodiesel blends. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 912, 042035.	0.3	1
412	Phase system of hexane-water for SnO ₂ nanoparticles preparation using Cassia alata leaf extract and its photocatalytic activity. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 902, 012016.	0.3	5
413	Effect of Biosynthesized ZnO Nanoparticles on Multi-Drug Resistant <i>Pseudomonas Aeruginosa</i> . <i>Antibiotics</i> , 2020, 9, 260.	1.5	52
414	Environmental Soil Remediation and Rehabilitation. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2020, , .	0.2	4
415	Phytogetic Synthesis of Nickel Oxide Nanoparticles (NiO) Using Fresh Leaves Extract of <i>Rhamnus triquetra</i> (Wall.) and Investigation of Its Multiple In Vitro Biological Potentials. <i>Biomedicines</i> , 2020, 8, 117.	1.4	72
416	Preparation of a chitosan/carboxymethyl chitosan/AgNPs polyelectrolyte composite physical hydrogel with self-healing ability, antibacterial properties, and good biosafety simultaneously, and its application as a wound dressing. <i>Composites Part B: Engineering</i> , 2020, 197, 108139.	5.9	111
417	A Review on Antibacterial Properties of Biologically Synthesized Zinc Oxide Nanostructures. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 2815-2826.	1.9	67
418	Green and eco-friendly synthesis of Nickel oxide nanoparticles and its photocatalytic activity for methyl orange degradation. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11303-11316.	1.1	95
419	Acute and Subacute Toxicity Study of Graphene-Based Tumor Cell Nucleus-Targeting Fluorescent Nanoprobes. <i>Molecular Pharmaceutics</i> , 2020, 17, 2682-2690.	2.3	7
420	Green preparation of core-shell Cu@Pd nanoparticles with chitosan for glucose detection. <i>Carbohydrate Polymers</i> , 2020, 247, 116647.	5.1	21
421	Green Tea Polyphenol Microparticles Based on the Oxidative Coupling of EGCG Inhibit Amyloid Aggregation/Cytotoxicity and Serve as a Platform for Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4414-4423.	2.6	17
422	Green Plasmonic Nanoparticles and Bio-Inspired Stimuli-Responsive Vesicles in Cancer Therapy Application. <i>Nanomaterials</i> , 2020, 10, 1083.	1.9	22
423	Green and chemically synthesized ZnO nanoparticles: A comparative study. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 798, 012025.	0.3	13
424	Biogenic Ceria Nanoparticles (CeO ₂ NPs) for Effective Photocatalytic and Cytotoxic Activity. <i>Bioengineering</i> , 2020, 7, 26.	1.6	30
425	Organic template-based ZnO embedded Mn ₃ O ₄ nanoparticles: synthesis and evaluation of their electrochemical properties towards clean energy generation. <i>RSC Advances</i> , 2020, 10, 9854-9867.	1.7	21

#	ARTICLE	IF	CITATIONS
426	Magnetic solid-phase extraction based on magnetic carbon particles from coffee grounds for determining phthalic acid esters in plastic bottled water. <i>Journal of Food Science</i> , 2020, 85, 1098-1104.	1.5	5
427	Effects of copper oxide nanoparticles on growth of lettuce (<i>Lactuca sativa</i> L.) seedlings and possible implications of nitric oxide in their antioxidative defense. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 232.	1.3	72
428	Reactive oxygen species generating photosynthesized ferromagnetic iron oxide nanorods as promising antileishmanial agent. <i>Nanomedicine</i> , 2020, 15, 755-771.	1.7	7
429	Green synthesized silver NPs: fluorescence sensor for Cl ⁻ ions in aqueous solution in biological pH and cell viability study. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	3
430	Synthesis of <i>M. oleifera</i> leaf extract capped magnetic nanoparticles for effective lead [Pb (II)] removal from solution: Kinetics, isotherm and reusability study. <i>Journal of Molecular Liquids</i> , 2020, 305, 112811.	2.3	36
431	Green synthesis of ultrapure La(OH) ₃ nanoparticles by one-step method through spark ablation and electrospinning and its application to phosphate removal. <i>Chemical Engineering Journal</i> , 2020, 388, 124373.	6.6	25
432	Graphene Oxide-Silver Nanoparticle Nanohybrids: Synthesis, Characterization, and Antimicrobial Properties. <i>Nanomaterials</i> , 2020, 10, 376.	1.9	123
433	Green synthesis of TiO ₂ and its photocatalytic activity. , 2020, , 11-61.		15
434	Green synthesis of zinc oxide nanoparticles: A review of the synthesis methodology and mechanism of formation. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 15, 100223.	1.6	217
435	Synthesis of magnetic green nanoparticle - Molecular imprinted polymers with emerging contaminants templates. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103889.	3.3	16
436	Green synthesis of silver nanoparticles using <i>Carum copticum</i> : Assessment of its quorum sensing and biofilm inhibitory potential against gram negative bacterial pathogens. <i>Microbial Pathogenesis</i> , 2020, 144, 104172.	1.3	60
437	Facile one pot microwave-assisted green synthesis of Fe ₂ O ₃ /Ag nanocomposites by phyto-reduction: Potential application as sunlight-driven photocatalyst, antibacterial and anticancer agent. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 207, 111885.	1.7	28
438	Antibacterial and cytotoxic activities of a green synthesized silver nanoparticles using corn silk aqueous extract. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 598, 124827.	2.3	19
439	Ecofriendly ruthenium-containing nanomaterials: synthesis, characterization, electrochemistry, bioactivity and catalysis. <i>Nanoscale Advances</i> , 2020, 2, 1774-1791.	2.2	9
440	Inhibition efficiency of gold nanoparticles on corrosion of mild steel, stainless steel and aluminium in 1M HCl solution. <i>Materials Today: Proceedings</i> , 2021, 38, 578-583.	0.9	11
441	Methods of extracting silica and silicon from agricultural waste ashes and application of the produced silicon in solar cells: a mini-review. <i>International Journal of Sustainable Engineering</i> , 2021, 14, 57-78.	1.9	17
442	Green Synthesis of Metallic Nanoparticles and Their Prospective Biotechnological Applications: an Overview. <i>Biological Trace Element Research</i> , 2021, 199, 344-370.	1.9	606
443	Enhanced antibacterial properties of green synthesized nano ceria via <i>Agathosma betulina</i> natural extract. <i>Materials Today: Proceedings</i> , 2021, 36, 435-439.	0.9	4

#	ARTICLE	IF	CITATIONS
444	Evaluation of structural, optical, and morphological properties of nickel oxide nanoparticles for multi-functional applications. <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 296-301.	0.9	24
445	Removal of As(V) by iron-based nanoparticles synthesized via the complexation of biomolecules in green tea extracts and an iron salt. <i>Science of the Total Environment</i> , 2021, 764, 142883.	3.9	23
446	Oxygenated functional group-driven spontaneous fabrication of Pd nanoparticles decorated porous carbon nanosheets for electrocatalytic hydrodechlorination of 4-chlorophenol. <i>Journal of Hazardous Materials</i> , 2021, 408, 124456.	6.5	48
447	Green synthesis of nano-silver-titanium nanotube array (Ag/TNA) composite for concurrent ibuprofen degradation and hydrogen generation. <i>Chemosphere</i> , 2021, 264, 128407.	4.2	22
448	Gold nanoparticles capped with polysaccharides extracted from pineapple gum: Evaluation of their hemocompatibility and electrochemical sensing properties. <i>Talanta</i> , 2021, 223, 121634.	2.9	22
449	Green synthesis and characterization of Zinc Oxide using <i>Cicer arietinum</i> leaves for NO ₂ gas detection. <i>Materials Today: Proceedings</i> , 2021, 44, 213-216.	0.9	0
450	One-pot synthesis and characterization of in-house engineered silver nanoparticles from <i>Flacourtia jangomas</i> fruit extract with effective antibacterial profiles. <i>Journal of Nanostructure in Chemistry</i> , 2021, 11, 131-141.	5.3	14
451	<i>Aerva lanata</i> -mediated bio-treated production of copper oxide nanoparticles, optimization by BBD-RSM method and its behaviour against water related mosquito. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 207-216.	1.6	11
452	Immobilization of green-synthesized silver nanoparticles for micro- and nano-spectroscopic applications: What is the role of used short amino- and thio-linkers and immobilization procedure on the SERS spectra?. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119142.	2.0	3
453	Precursor Dependent Tailoring of Morphology and Crystallite Size of Biogenic ZnO Nanostructures with Enhanced Antimicrobial Activity- a Novel Green Chemistry Approach. <i>BioNanoScience</i> , 2021, 11, 44-52.	1.5	4
454	A simple and convenient dry-state SEIRS method for glutathione detection based on citrate functionalized silver nanoparticles in human biological fluids. <i>New Journal of Chemistry</i> , 2021, 45, 1339-1354.	1.4	16
455	Diverse Manifolds of Biogenic Nanoparticles in Synthesis, Characterization, and Applications. <i>Nanotechnology in the Life Sciences</i> , 2021, , 1-28.	0.4	1
456	Phytogenic Synthesis of Pd-Ag/rGO Nanostructures Using Stevia Leaf Extract for Photocatalytic H ₂ Production and Antibacterial Studies. <i>Biomolecules</i> , 2021, 11, 190.	1.8	22
457	Microbial Nanotechnology in Treating Multidrug-Resistance Pathogens. , 2021, , 191-216.		0
458	Adsorbent. <i>Interface Science and Technology</i> , 2021, 33, 71-210.	1.6	24
459	Formation of ZnO nanoparticles in the presence of Tannic acid. <i>Materials Today: Proceedings</i> , 2021, 41, 61-64.	0.9	3
460	Green Synthesis of Nanoparticles Using Different Plant Extracts and Their Characterizations. , 2021, , 165-199.		5
461	GREEN SYNTHESIS OF Cu, Ni AND CuNi ALLOY NANOPARTICLES USING ROSMARINUS OFFICINALIS PLANT EXTRACT: EVALUATION OF ELECTROCATALYTIC ACTIVITY OF CORRESPONDING METALLIC OXIDES. <i>Surface Review and Letters</i> , 2021, 28, 2150015.	0.5	0

#	ARTICLE	IF	CITATIONS
462	Cytotoxicity and biocompatibility of advanced green materials. , 2021, , 705-722.		1
463	Phytogenic synthesis of nanoparticles and their application in photo catalysis of dye rich effluents. , 2021, , 647-694.		3
464	Laser Additive Manufacturing of Nanomaterials for Solar Thermal Energy Storage Applications. , 2021, , 975-990.		0
465	Effect of metallic nanoparticles on microorganism: A review. Science Archives, 2021, 02, 135-143.	0.2	0
466	Management Strategies for Lake Restoration. , 2021, , 69-100.		0
467	Biogenesis of copper nanoparticles (Cu-NPs) using leaf extract of <i>Allium noeanum</i> , antioxidant and <i>in-vitro</i> cytotoxicity. Artificial Cells, Nanomedicine and Biotechnology, 2021, 49, 500-510.	1.9	22
468	Characteristics of nano-size MgO prepared using aqueous extract of different parts of Moringa oleifera plant as green synthesis agents. AIP Conference Proceedings, 2021, , .	0.3	4
469	Plant-polyphenol-mediated synthesis of iron oxide nanomaterials for heavy metal removal. , 2021, , 115-129.		4
470	Metal-free high-adsorption-capacity adsorbent derived from spent coffee grounds for methylene blue. RSC Advances, 2021, 11, 5118-5127.	1.7	22
471	Determining factors for the nano-biocompatibility of cobalt oxide nanoparticles: proximal discrepancy in intrinsic atomic interactions at differential vicinage. Green Chemistry, 2021, 23, 3439-3458.	4.6	38
472	Biosynthesis driven dysprosium oxide nanoparticles as a sensor for picric acid. Current Research in Green and Sustainable Chemistry, 2021, 4, 100080.	2.9	6
473	Green approaches for nanoparticle synthesis: emerging trends. , 2021, , 167-193.		8
474	Silver Nanoparticles and Their Morpho-Physiological Responses on Plants. Nanotechnology in the Life Sciences, 2021, , 183-216.	0.4	0
475	Metal and metal oxide nanoparticles: An integrated perspective of the green synthesis methods by natural products and waste valorization: applications and challenges. Comprehensive Analytical Chemistry, 2021, , 433-469.	0.7	24
476	Cd(II) and Pb(II) Adsorption Using a Composite Obtained from Moringa oleifera Lam. Cellulose Nanofibrils Impregnated with Iron Nanoparticles. Water (Switzerland), 2021, 13, 89.	1.2	25
477	Wastewater Treatment and Role of Green Synthesized Metal Oxide Nanocomposites. , 2021, , 1743-1783.		0
478	Biosynthesis of CuO nanoparticles using aqueous extract of herbal tea (<i>Stachys Lavandulifolia</i>) flowers and evaluation of its catalytic activity. Scientific Reports, 2021, 11, 1983.	1.6	94
479	Effect of calcination time on biosynthesised SnO ₂ nanoparticles using bioactive compound from leaves extract of <i>Chromolaena Odorata</i> . AIP Conference Proceedings, 2021, , .	0.3	5

#	ARTICLE	IF	CITATIONS
480	Synthesis and characterization of ZnO nanoparticles using pumpkin seed extract (<i>Cucurbita</i>) Tj ETQq0 0 0 rgBT /Overlock 10, Tf 50 742	0.3	7
481	Fenton with zero-valent iron nanoparticles (nZVI) processes: Role of nanomaterials. , 2021, , 847-866.		0
482	Morphological changes of ZnO nanostructures upon addition of Tannic Acid. Journal of Modern Manufacturing Systems and Technology, 2020, 5, 23-26.	0.2	0
483	Medicinal Plant Leaves Extract Based Synthesis, Characterisations and Antimicrobial Activities of ZrO ₂ Nanoparticles (ZrO ₂ NPs). BioNanoScience, 2021, 11, 497-505.	1.5	13
484	Bio-inspired synthesis of palladium nanoparticles fabricated magnetic Fe ₃ O ₄ nanocomposite over <i>Fritillaria imperialis</i> flower extract as an efficient recyclable catalyst for the reduction of nitroarenes. Scientific Reports, 2021, 11, 4515.	1.6	45
485	Biological Nanofactories: Using Living Forms for Metal Nanoparticle Synthesis. Mini-Reviews in Medicinal Chemistry, 2021, 21, 245-265.	1.1	88
486	A critical review on silver nanoparticles: From synthesis and applications to its mitigation through low-cost adsorption by biochar. Journal of Environmental Management, 2021, 281, 111918.	3.8	107
487	Efficient Amyloid Fibrillation Inhibition and Remodeling of Preformed Fibrils of Bovine Insulin by Propolis Polyphenols-Based Nanosheets. ACS Applied Bio Materials, 2021, 4, 3547-3560.	2.3	17
488	Green synthesis of mono and bimetallic alloy nanoparticles of gold and silver using aqueous extract of <i>Chlorella acidophila</i> for potential applications in sensors. Preparative Biochemistry and Biotechnology, 2021, 51, 1026-1035.	1.0	8
489	Biosurfactant-mediated biosynthesis of CuO nanoparticles and their antimicrobial activity. Applied Nanoscience (Switzerland), 2021, 11, 1447-1457.	1.6	18
490	Carbon nanotubes impregnated with metallic nanoparticles and their application as an adsorbent for the glyphosate removal in an aqueous matrix. Journal of Environmental Chemical Engineering, 2021, 9, 105178.	3.3	38
491	<i>Mentha piperita</i> -mediated synthesis of cobalt aluminate nanoparticles and their photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2021, 32, 11220-11231.	1.1	8
492	Structural characterization and adsorptive ability of green synthesized Fe ₃ O ₄ nanoparticles to remove Acid blue 113 dye. Surfaces and Interfaces, 2021, 23, 100947.	1.5	26
493	Sustainable Synthesis of Gold Nanoparticles and its Antidiabetic Activity of <i>Anacardium Occidentale</i> . Oriental Journal of Chemistry, 2021, 37, 374-379.	0.1	2
494	Review on recent advance biosynthesis of TiO ₂ nanoparticles from plant-mediated materials: characterization, mechanism and application. IOP Conference Series: Materials Science and Engineering, 2021, 1142, 012005.	0.3	10
495	Green Synthesis of Transition-Metal Nanoparticles and Their Oxides: A Review. Materials, 2021, 14, 2700.	1.3	58
496	Gold Nanomaterials as a Promising Integrated Tool for Diagnosis and Treatment of Pathogenic Infections—A Review. Journal of Biomedical Nanotechnology, 2021, 17, 744-770.	0.5	11
498	Nanosentezde Yeşil Mühendislik Kavramı ve Çevre Mühendisliğindeki Yeri. Düzce Üniversitesi Bilim Ve Teknoloji Dergisi, 0, , .	0.2	0

#	ARTICLE	IF	CITATIONS
499	Antimicrobial PAA/PAH Electrospun Fiber Containing Green Synthesized Zinc Oxide Nanoparticles for Wound Healing. <i>Materials</i> , 2021, 14, 2889.	1.3	22
500	The Role of Biosynthesized Silver Nanoparticles in Antimicrobial Mechanisms. <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 762-772.	0.9	11
501	Bioinspired AgNPs: Effective and Recyclable Catalysts towards the One-Pot Synthesis of Hexahydroquinoline Derivatives via Three-Component Coupling Reaction. <i>ChemistrySelect</i> , 2021, 6, 4404-4410.	0.7	1
502	Biogenic synthesis of metallic nanoparticles: Principles and applications. <i>Materials Today: Proceedings</i> , 2023, 81, 882-887.	0.9	1
503	Biogenesis and Application of Nickel Nanoparticles: A Review. <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 808-822.	0.9	21
504	The inhibitory role of synthesized Nickel oxide nanoparticles against Hep-G2, MCF-7, and HT-29 cell lines: the inhibitory role of NiO NPs against Hep-G2, MCF-7, and HT-29 cell lines. <i>Green Chemistry Letters and Reviews</i> , 2021, 14, 444-454.	2.1	21
505	Synthesis of Nanocomposite and Study Degradation of Phenol Red Dye. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 779, 012057.	0.2	1
506	Antioxidant Capacity Assessment of Plant Extracts for Green Synthesis of Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 1679.	1.9	22
507	Recent development in the green synthesis of titanium dioxide nanoparticles using plant-based biomolecules for environmental and antimicrobial applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 98, 1-16.	2.9	76
508	Plant extract mediated silver nanoparticles and their applications as antimicrobials and in sustainable food packaging: A state-of-the-art review. <i>Trends in Food Science and Technology</i> , 2021, 112, 651-666.	7.8	97
509	Green and simple synthesized graphene/MnO ₂ quantum dot nanocomposite: characterization and application as an efficient adsorbent for solid-phase extraction of heavy metals. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 249-261.	5.3	15
510	Effect of greenly synthesized silver nanoparticles on the properties of active starch films obtained by extrusion and compression molding. <i>Carbohydrate Polymers</i> , 2021, 261, 117871.	5.1	38
511	Microbe-Mediated Biosynthesis of Nanoparticles: Applications and Future Prospects. <i>Biomolecules</i> , 2021, 11, 886.	1.8	85
512	A Comprehensive Review of the Ethnotraditional Uses and Biological and Pharmacological Potential of the Genus <i>Mimosa</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 7463.	1.8	15
513	Nanoparticles: Mechanism of biosynthesis using plant extracts, bacteria, fungi, and their applications. <i>Journal of Molecular Liquids</i> , 2021, 334, 116040.	2.3	52
514	The Influence of Ph on Green Synthesis of Honey-Mediated Silver Nanoparticles. <i>Key Engineering Materials</i> , 0, 891, 83-88.	0.4	1
515	Systematic Review on Biosynthesis of Silver Nanoparticles and Antibacterial Activities: Application and Theoretical Perspectives. <i>Molecules</i> , 2021, 26, 5057.	1.7	35
516	Recent advances in anticancer and antimicrobial activity of silver nanoparticles synthesized using phytochemicals and organic polymers. <i>Nanotechnology</i> , 2021, 32, 462001.	1.3	14

#	ARTICLE	IF	CITATIONS
517	Degradation of synthetic dyes using nanoparticles: a mini-review. <i>Environmental Science and Pollution Research</i> , 2021, 28, 49434-49446.	2.7	38
518	Plant-Extract-Mediated Synthesis of Metal Nanoparticles. <i>Journal of Chemistry</i> , 2021, 2021, 1-14.	0.9	38
519	Emerging Sustainable Nanomaterials and their Applications in Catalysis and Corrosion Control. <i>Current Nanoscience</i> , 2021, 17, 540-553.	0.7	3
520	Green biosynthesized silver nanoparticles using <i>Acalypha wilkesiana</i> extract control root-knot nematode. <i>Journal of King Saud University - Science</i> , 2021, 33, 101516.	1.6	28
521	Photocatalysts synthesized via plant mediated extracts for degradation of organic compounds: A review of formation mechanisms and application in wastewater treatment. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 22, 100453.	1.6	11
522	Microbial cell factories a new dimension in bio-nanotechnology: exploring the robustness of nature. <i>Critical Reviews in Microbiology</i> , 2022, 48, 397-427.	2.7	5
523	ZnS-based quantum dots as photocatalysts for water purification. <i>Journal of Water Process Engineering</i> , 2021, 43, 102217.	2.6	41
524	Plant-based green synthesis of silver nanoparticles and its effective role in abiotic stress tolerance in crop plants. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 5631-5639.	1.8	85
525	Enthralling the impact of engineered nanoparticles on soil microbiome: A concentric approach towards environmental risks and cogitation. <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112459.	2.9	42
526	Detection and remediation of pollutants to maintain ecosustainability employing nanotechnology: A review. <i>Chemosphere</i> , 2021, 280, 130792.	4.2	50
527	A distance-based paper sensor for rapid detection of blood lactate concentration using gold nanoparticles synthesized by <i>Satureja hortensis</i> . <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130445.	4.0	10
528	Comparative study of tea varieties for green synthesis of tellurium-based nanoparticles. <i>Microchemical Journal</i> , 2021, 169, 106511.	2.3	6
529	Comparison of characteristics and biocompatibility of green synthesized iron oxide nanoparticles with chemical synthesized nanoparticles. <i>Environmental Research</i> , 2021, 201, 111585.	3.7	42
530	Crystalline Gold nanoparticles adjusted by carboxymethyl cellulose and citrate salt: Fabrication, characterization, and in vitro anticancer activity. <i>Journal of Molecular Liquids</i> , 2021, 340, 117202.	2.3	4
531	Green synthesis of carbon nanotubes impregnated with metallic nanoparticles: Characterization and application in glyphosate adsorption. <i>Chemosphere</i> , 2021, 283, 131193.	4.2	42
532	A review of recent advances in green nanofluids and their application in thermal systems. <i>Chemical Engineering Journal</i> , 2022, 429, 132321.	6.6	52
533	Green synthesis approaches for metallic and carbon nanostructures. , 2022, , 83-127.		1
534	Sustainable green nanomaterials for potential development in environmental industries. , 2022, , 461-510.		0

#	ARTICLE	IF	CITATIONS
535	Green nanomaterials: An overview. , 2022, , 43-80.		10
536	Environmental aspects of green nanoparticles synthesis. , 2021, , 449-462.		0
537	Future of Functionalized Magnetic Nanoparticles in Analytical Chemistry. , 2021, , 574-595.		1
538	Modern Nanomaterials Extraction and Characterization Techniques Using Plant Samples and Their Biomedical Potential. Advances in Medical Technologies and Clinical Practice Book Series, 2021, , 219-233.	0.3	0
539	Green Synthesis of Silver Nanoparticles Using Cannabis sativa Extracts and Their Anti-Bacterial Activity. Green and Sustainable Chemistry, 2021, 11, 28-38.	0.8	17
540	Green and Bio-Mechanochemical Approach to Silver Nanoparticles Synthesis, Characterization and Antibacterial Potential. Nanotechnology in the Life Sciences, 2020, , 145-183.	0.4	4
541	In Situ Chemical Reduction of Chlorinated Organic Compounds. Applied Environmental Science and Engineering for A Sustainable Future, 2020, , 283-398.	0.2	3
542	Toxicity of Tungsten Oxide and IAA-Loaded Tungsten Oxide Nanoparticles on Linum usitatissimum Germination and Their Antifungal Activity. Nanotechnology in the Life Sciences, 2020, , 403-418.	0.4	1
543	Some Effective Methods for Treatment of Wastewater from Cu Production. Environmental Chemistry for A Sustainable World, 2021, , 313-440.	0.3	1
545	Chemical Methods. , 2017, , 33-148.		2
546	Nanomaterials and Vegetable Crops: Realizing the Concept of Sustainable Production. , 2019, , 323-353.		7
547	Nanotechnology in Agriculture. , 2019, , 1-17.		9
548	Green synthesis: Characterization and application of silver and gold nanoparticles. , 2019, , 111-135.		21
549	Green synthesis of AgCl/Ag ₃ PO ₄ nanoparticle using cyanobacteria and assessment of its antibacterial, colorimetric detection of heavy metals and antioxidant properties. IET Nanobiotechnology, 2020, 14, 707-713.	1.9	10
550	Free radical scavenging activity of zinc oxide nanoparticles biosynthesised using <i>Aspergillus carneus</i> . Micro and Nano Letters, 2019, 14, 1157-1162.	0.6	8
551	Preparation of novel anisotropic gold nanoplatfrom as NIR absorbing agents for photothermal therapy of liver cancer and enhanced ultrasound contrast imaging. Materials Research Express, 2020, 7, 125006.	0.8	2
552	Analgesic Properties of <i>Euphorbia prostrata</i> Crude Extracts. Science Journal of Chemistry, 2015, 3, 100.	0.1	1
553	Catalytic performance of the biosynthesized AgNps from <i>Bistorta amplexicaule</i> : antifungal, bactericidal, and reduction of carcinogenic 4-nitrophenol. Green Processing and Synthesis, 2020, 9, 259-267.	1.3	2

#	ARTICLE	IF	CITATIONS
554	Green synthesis of metal and metal oxide nanoparticles from plant leaf extracts and their applications: A review. <i>Green Processing and Synthesis</i> , 2020, 9, 304-339.	1.3	356
555	Green synthesis of iron oxide nanoparticles (IONPs) and their nanotechnological applications. <i>Journal of Bacteriology & Mycology Open Access</i> , 2018, 6, .	0.2	9
556	Exploring the Potential of Plant-Derived Natural Products beyond Functional Food: Applications in Nanomedicine. <i>Journal of Nanomedicine Research</i> , 2015, 2, .	1.8	3
557	Evaluating the Antibacterial Activity of MgO Nanoparticles Synthesized from Aqueous Leaf Extract. <i>Med One</i> , 2019, , .	1.5	3
558	TOWARDS A GREENER ENVIRONMENT: SYNTHESIS AND APPLICATIONS OF GREEN NANOPARTICLES. <i>Pakistan Journal of Agricultural Sciences</i> , 2016, 53, 345-354.	0.1	4
559	Green Synthesis of Highly Dispersed Zinc Oxide Nanoparticles Supported on Silica Gel Matrix by <i>Daphne oleoides</i> Extract and their Antibacterial Activity. <i>Iranian Journal of Biotechnology</i> , 2021, 19, e2598.	0.3	3
560	Use of nanoparticles of metals and non-metals in poultry farming. <i>TehnologĀ-Āĉ Virobnictva Ā- Pererobki ProduktĀ-v Tvarinnictva</i> , 2019, , 113-130.	0.2	11
561	Eco-Friendly Greener Synthesis of Nanoparticles. <i>Advanced Pharmaceutical Bulletin</i> , 2020, 10, 566-576.	0.6	71
562	Synthesis Pathway and Powerful Antimicrobial Properties of Silver Nanoparticle: A Critical Review. <i>Asian Journal of Scientific Research</i> , 2018, 12, 1-17.	0.3	17
563	Characterization, antibacterial and antioxidant properties of silver nanoparticles synthesized from aqueous extracts of <i>Allium sativum</i> , <i>Zingiber officinale</i> , and <i>Capsicum frutescens</i> . <i>Pharmacognosy Magazine</i> , 2017, 13, 201.	0.3	82
564	Metallic Nanoparticles Fabrication MethodsĀ€ A Brief Overview.. , 0, , 1-6.		3
565	A New Paradigm Shift for the Green Synthesis of Antibacterial Silver Nanoparticles Utilizing Plant Extracts. <i>Toxicological Research</i> , 2014, 30, 169-178.	1.1	103
566	Green synthesis of nanoparticles with extracellular and intracellular extracts of basidiomycetes. <i>PeerJ</i> , 2018, 6, e5237.	0.9	53
567	Application of biosynthesized metal nanoparticles in electrochemical sensors. <i>Journal of the Serbian Chemical Society</i> , 2022, 87, 401-435.	0.4	6
568	Green synthesis and characterization ofĀzinc oxideĀnanoparticles using bush tea (<i>AthrixiaĀphylicoidesĀ</i> DC) natural extract: assessment of the synthesis process.. <i>F1000Research</i> , 0, 10, 1077.	0.8	4
569	Palladium Nanoparticles: Plant Aided Biosynthesis, Characterization, Applications. <i>Chemistry Africa</i> , 2021, 4, 715-730.	1.2	6
570	Systemic Evaluation of Mechanism of Cytotoxicity in Human Colon Cancer HCT-116 Cells of Silver Nanoparticles Synthesized Using Marine Algae <i>Ulva lactuca</i> Extract. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 596-605.	1.9	14
571	Synthesis of Silver Nanoparticle Composites Using <i>Calliblepharis fimbriata</i> Aqueous Extract, Phytochemical Stimulation, and Controlling Bacterial Blight Disease in Rice. <i>ACS Agricultural Science and Technology</i> , 2021, 1, 702-718.	1.0	4

#	ARTICLE	IF	CITATIONS
572	Green Synthesis of BaCrO ₄ Nanoparticles Using Glycyrrhiza Glabra Extract. , 0, , .		0
573	Revisiting spontaneous silver nanoparticles formation: a factor influencing the determination of minimum inhibitory concentration values?. AIMS Environmental Science, 2015, 2, 607-622.	0.7	0
574	SÍNTESE VERDE DE NANOPARTÍCULAS DE COBRE IMPREGNADAS EM CARVÃO ATIVADO PARA REMOÇÃO DE NITRATO DA ÁGUA. , 0, , .		0
575	IMPREGNAÇÃO DE NANOPARTÍCULAS DE ÓXIDO DE COBRE POR MANTO VERDE SOBRE CARVÃO ATIVADO PARA TRATAMENTO DE ÁGUA. , 0, , .		0
577	Comparative study of chitosan/Ag nanocomposites synthesis and test their antibacterial activity on Staphylococcus aureus and Escherichia coli. Tap Chi Khoa Hoc = Journal of Science, 2018, 54(8), 96.	0.1	0
578	Role of Supermagnetic Nanoparticles in Alzheimer Disease. , 2019, , 225-240.		1
579	Nano-wastes and the Environment: Potential Challenges and Opportunities of Nano-waste Management Paradigm for Greener Nanotechnologies. , 2019, , 2063-2134.		1
580	Wastewater Treatment and Role of Green Synthesized Metal Oxide Nanocomposites. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 268-307.	0.3	0
581	Technology, Science and Culture - A Global Vision. , 2019, , .		0
582	Biosynthesized Nanomaterials via Processing of Different Plant Parts (Phytonanotechnology) and Biovalorization of Agro-Industrial Wastes to Nano-Sized Valuable Products. Nanotechnology in the Life Sciences, 2020, , 145-184.	0.4	1
583	Green Synthesis of Magnetite Nanoparticles using Myrtus communis L. Grown in Egypt. International Research Journal of Innovations in Engineering and Technology, 2020, 4, 06-13.	0.1	2
584	Green and simple method for preparing iron oxide nanoparticles supported on mesoporous biochar as a Fenton catalyst. Applied Organometallic Chemistry, 2020, 34, e5786.	1.7	1
585	Single Atoms. Revista Facultad De Ciencias Básicas, 2020, 15, 69-81.	0.2	0
586	An Experimental Investigation on DI-CI Engine Characteristics Fueled with Green Synthesized Nanoparticle Doped with Biodiesel Blends. Lecture Notes in Mechanical Engineering, 2021, , 285-302.	0.3	0
587	Variation in surface properties, metabolic capping, and antibacterial activity of biosynthesized silver nanoparticles: comparison of bio-fabrication potential in phytohormone-regulated cell cultures and naturally grown plants. RSC Advances, 2020, 10, 38831-38840.	1.7	9
588	Fish mucus mediated biosynthesis of copper oxide nanoparticles: spectral characterization, morphology and biological activity. Materials Research Express, 2020, 7, 125012.	0.8	4
589	Microbial synthesis of magnetic nanomaterials. , 2022, , 323-356.		1
590	Plant-mediated methods for synthesis of silver nanoparticles. , 2022, , 685-706.		0

#	ARTICLE	IF	CITATIONS
591	Algae-mediated silver nanoparticles: Synthesis, properties, and biological activities. , 2022, , 525-545.		2
592	Microbes and agricultural waste: A safe resource for the production of bionanomaterials. , 2022, , 301-322.		0
593	Diospyros lotus-mediated Synthesis of Iron Oxide Nanoparticles and Their Application as a Catalyst in Fenton Reaction. Current Nanoscience, 2020, 16, 91-100.	0.7	0
594	Green Synthesis of Nanoparticles and Their Application in Cancer Therapy. , 2020, , 163-197.		5
595	Synthesis of Pigment-Mediated Nanoparticles and Its Pharmacological Applications. Nanotechnology in the Life Sciences, 2020, , 331-346.	0.4	3
596	Laser Additive Manufacturing of Nanomaterials for Solar Thermal Energy Storage Applications. , 2020, , 1-16.		0
597	Marine Resources for Biosynthesis and Surface Modification of Anticancer Nanoparticles. , 2020, , 141-161.		2
598	Bionanofactories for Green Synthesis of Silver Nanoparticles: Toward Antimicrobial Applications. International Journal of Molecular Sciences, 2021, 22, 11993.	1.8	70
599	The Interest in Nanotechnology: A Step Towards Bioremediation. , 2021, , 265-282.		4
600	Laser Additive Manufacturing of Nanomaterials for Solar Thermal Energy Storage Applications. , 2021, , 1-16.		0
601	Nigella sativa Seed Extract in Green Synthesis and Nanocomposite. Food Bioactive Ingredients, 2021, , 179-190.	0.3	2
602	Synthesis and Characterization of Pollen Extract Mediated Gold Nanostructures. TĀ¼rk DoĀya Ve Fen Dergisi, 2020, 9, 1-8.	0.2	3
603	Nanotechnology as a Novel Approach in Combating Microbes Providing an Alternative to Antibiotics. Antibiotics, 2021, 10, 1473.	1.5	80
604	Functionalised graphene oxide-based nanofiltration membranes with enhanced molecular separation performance. Materials Research Innovations, 2022, 26, 373-381.	1.0	12
605	Diverse Synthesis and Characterization Techniques of Nanoparticles. , 0, , .		4
606	Phytoplankton Mediated Nanoparticles for Cancer Therapy. , 2022, , 143-159.		1
607	Open Inquiry-Based Laboratory Project on Plant-Mediated Green Synthesis of Metal Nanoparticles and Their Potential Applications. Journal of Chemical Education, 2021, 98, 3984-3991.	1.1	7
608	Inhibition of Quorum Sensing and Virulence Factors of Pseudomonas aeruginosa by Biologically Synthesized Gold and Selenium Nanoparticles. Antibiotics, 2021, 10, 1461.	1.5	12

#	ARTICLE	IF	CITATIONS
609	Green Nanotechnology: An Overview. , 2022, , 1-13.		4
610	Green Synthesis of Nanoparticles. , 2022, , 53-75.		1
611	Synthesis of Silver Nanoparticles Using Dichloromethane Extract of Chrysanthemum cinerariaefolium and Its Bioactivity. International Journal of Applied Nanotechnology Research, 2021, 6, 1-17.	1.1	1
612	A review on nanobioremediation approaches for restoration of contaminated soil. Eurasian Journal of Soil Science, 2022, 11, 43-60.	0.2	12
613	A Review on Plants and Microorganisms Mediated Synthesis of Silver Nanoparticles, Role of Plants Metabolites and Applications. International Journal of Environmental Research and Public Health, 2022, 19, 674.	1.2	102
614	Characterization, in vitro cytotoxic and antibacterial exploitation of green synthesized freshwater cyanobacterial silver nanoparticles. Journal of Applied Pharmaceutical Science, 0, , .	0.7	0
615	Bovine serum albumin protected gold nanozymes as a novel anti-cancer nanodrug for acute T-type lymphoblastic leukemia treatment via effect on the expression of anti-apoptotic genes. Applied Biological Chemistry, 2021, 64, .	0.7	13
616	Medicinal herbs as a panacea for biogenic silver nanoparticles. Bulletin of the National Research Centre, 2022, 46, .	0.7	10
617	Toxicity and safety assessment of green nanomaterials. , 2022, , 509-522.		1
618	Environmental applications of ecofriendly nanophotocatalysts: toward green nanotechnology. , 2022, , 325-341.		0
619	Methylene Blue Degradation Over Green Fe ₃ O ₄ Nanocatalyst Fabricated Using Leaf Extract of Rosmarinus officinalis. Topics in Catalysis, 0, , 1.	1.3	3
620	A novel green and eco-friendly synthesis of nickel oxide nanoparticles by auto combustion technique using allium cepa bulb extract and their dielectric behaviour. Chemical Data Collections, 2022, 38, 100837.	1.1	5
621	Green synthesis and characterization of zinc oxide nanoparticles using bush tea (Athrixia phylicoides) natural extract: assessment of the synthesis process.. F1000Research, 0, 10, 1077.	0.8	4
622	Biosynthesis of TiO ₂ nanoparticles as a suitable photocatalyst for degradation of ketoconazole: characterization, efficiency, toxicity evaluation and degradation pathways. Journal of Materials Science: Materials in Electronics, 2022, 33, 5938-5952.	1.1	4
623	Enzyme immobilized nanomaterials. , 2022, , 17-65.		0
624	State-of-the-art biosynthesis of tin oxide nanoparticles by chemical precipitation method towards photocatalytic application. Environmental Science and Pollution Research, 2022, 29, 10871-10893.	2.7	6
625	Review on metal nanoparticles as nanocarriers: current challenges and perspectives in drug delivery systems. Emergent Materials, 2022, 5, 1593-1615.	3.2	202
626	Future development, prospective, and challenges in the application of green nanocomposites in environmental remediation. , 2022, , 483-511.		2

#	ARTICLE	IF	CITATIONS
627	Lime peel extract induced NiFe ₂ O ₄ NPs: Synthesis to applications and oxidative stress mechanism for anticancer, antibiotic activity. <i>Journal of Saudi Chemical Society</i> , 2022, 26, 101422.	2.4	16
628	Magnetic-silica nanocomposites and the functionalized forms for environment and medical applications: A review. <i>Inorganic Chemistry Communication</i> , 2022, 137, 109213.	1.8	28
629	Green Synthesis of Nanoparticles: A Solution to Environmental Pollution. , 2022, , 1965-1993.		5
630	Neodymium oxide nanoparticles synthesis using phytochemicals of leaf extracts of different plants as reducing and capping agents: Growth mechanism, optical, structural and catalytic properties. <i>Journal of the Chinese Chemical Society</i> , 2022, 69, 462-475.	0.8	5
631	Synthesis of Spherical Nanoparticle Hybrids via Aerosol Thiol-Ene Photopolymerization and Their Bioconjugation. <i>Nanomaterials</i> , 2022, 12, 577.	1.9	4
632	Study on the Synthesis of ZnO Nanoparticles Using <i>Azadirachta indica</i> Extracts for the Fabrication of a Gas Sensor. <i>Molecules</i> , 2021, 26, 7685.	1.7	15
633	Bio-based multifunctional nanomaterials: Synthesis and applications. , 2022, , 129-166.		0
634	Biogenic palladium nanostructures for Suzuki-Miyaura and Sonogashira cross-coupling reaction under mild reaction conditions. <i>Current Research in Green and Sustainable Chemistry</i> , 2022, 5, 100301.	2.9	4
635	Iris barnumiae extract-coated Fe ₃ O ₄ nanoparticles for the removal of Congo red dye in aqueous solution. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 3317-3325.	1.2	6
636	Platinum Nanoparticles in Biomedicine: Preparation, Anti-Cancer Activity, and Drug Delivery Vehicles. <i>Frontiers in Pharmacology</i> , 2022, 13, 797804.	1.6	42
637	Green Synthesis of Magnetite Nanoparticles Using Leaf Plant Extracts of South American Endemic <i>Cryptocarya alba</i> . <i>Current Nanoscience</i> , 2022, 18, .	0.7	1
639	An innovative green synthesis approach of chitosan nanoparticles and their inhibitory activity against phytopathogenic <i>Botrytis cinerea</i> on strawberry leaves. <i>Scientific Reports</i> , 2022, 12, 3515.	1.6	40
640	Synthesis of Silver Nanoparticles from Extracts of Wild Ginger (<i>Zingiber zerumbet</i>) with Antibacterial Activity against Selective Multidrug Resistant Oral Bacteria. <i>Molecules</i> , 2022, 27, 2007.	1.7	37
641	A Review on Green Synthesis of TiO ₂ NPs: Photocatalysis and Antimicrobial Applications. <i>Polymers</i> , 2022, 14, 1444.	2.0	95
642	Current trends in bio-waste mediated metal/metal oxide nanoparticles for drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 71, 103305.	1.4	24
643	Identification of phytochemicals capping the exogenously biosynthesized silver nanoparticles by <i>T. apollinea</i> (Delile) DC. living plants and evaluation of their cytotoxic activity. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 42, 102336.	1.5	2
644	Green Synthesis of Nano Zinc Oxide/Nanohydroxyapatite Composites Using Date Palm Pits Extract and Eggshells: Adsorption and Photocatalytic Degradation of Methylene Blue. <i>Nanomaterials</i> , 2022, 12, 49.	1.9	13
645	Advanced Materials in Cancer Therapy. <i>Green Chemistry & Technology Letters</i> , 2021, 7, 01-17.	0.3	0

#	ARTICLE	IF	CITATIONS
646	Ege Bölgesinde Yetiştirilen Antiviral <i>M. parviflora</i> L (Ebegözü) Bitkisi Kullanılarak Demir oksit (Fe_3O_4) Nanopartiküllerin Sentezi ve Antibakteriyel Özelliklerinin İncelenmesi. <i>Journal of the Institute of Science and Technology</i> , 0, , 2937-2946.	0.3	1
647	LAVANTA BİTKİSİNDEN ÜRETİLEN ZnO NANOPARTİKÜLLERİNİN SENTEZİ VE KULLANILARAK $\text{NH}_2@ \text{FeNP}$ NANOKOMPOZİTİNİN YEREL SENTEZİNE İZLENİMLERİNİN İNCELENMESİ. <i>Mühendislik Bilimleri Ve Tasarım Dergisi</i> , 2022, 10, 272-285.		
648	Eucalyptus globulus and Salvia officinalis Extracts Mediated Green Synthesis of Silver Nanoparticles and Their Application as an Antioxidant and Antimicrobial Agent. <i>Plants</i> , 2022, 11, 1085.	1.6	23
649	Green synthesis and characterization of zinc oxide nanoparticles using bush tea (<i>Athrixia phylicoides</i> DC) natural extract: assessment of the synthesis process.. <i>F1000Research</i> , 0, 10, 1077.	0.8	2
650	Biomedical applications of metallic nanoparticles in cancer: Current status and future perspectives. <i>Biomedicine and Pharmacotherapy</i> , 2022, 150, 112951.	2.5	85
652	Bimetallic p-ZnO/n-CuO nanocomposite synthesized using Aegle marmelos leaf extract exhibits excellent visible-light-driven photocatalytic removal of 4-nitroaniline and methyl orange. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 1357-1370.	1.6	8
653	Review on Plant Mediated Green Synthesis of Magnetite Nanoparticles for Pollution Abatement, Biomedical and Electronic Applications. <i>Asian Journal of Chemistry</i> , 2022, 34, 1047-1054.	0.1	4
654	Metal nanoparticles functionalized with nutraceutical Kaempferitrin from edible <i>Crotalaria juncea</i> , exert potent antimicrobial and antibiofilm effects against Methicillin-resistant <i>Staphylococcus aureus</i> . <i>Scientific Reports</i> , 2022, 12, 7061.	1.6	14
657	Synthesis of bioactive silver nanoparticles with eco-friendly processes using <i>Heracleum persicum</i> stem extract and evaluation of their antioxidant, antibacterial, anticancer and apoptotic potential. <i>Journal of Molecular Structure</i> , 2022, 1265, 133325.	1.8	11
658	Role of Nanoparticles in Remediation of Contaminated Soil. , 2022, , 353-370.		2
659	Biogenic Silver Nanoparticles as a Stress Alleviator in Plants: A Mechanistic Overview. <i>Molecules</i> , 2022, 27, 3378.	1.7	13
660	Green synthesized ZnO nanoparticles using <i>Ganoderma lucidum</i> : Characterization and In Vitro Nanofertilizer effects. <i>Journal of Alloys and Compounds</i> , 2022, 918, 165695.	2.8	27
661	Green fabrication of silver nanoparticles using <i>Chloroxylon swietenia</i> leaves and their application towards dye degradation and food borne pathogens. <i>Food and Chemical Toxicology</i> , 2022, 165, 113192.	1.8	10
662	One-step green synthesis of hybrid Fe-Mn nanoparticles: Methodology, characterization and mechanism. <i>Journal of Cleaner Production</i> , 2022, 363, 132406.	4.6	11
663	Nanobioremediation: a novel application of green-nanotechnology in environmental cleanup. , 2022, , 823-841.		0
664	Iron Capped Spent Tea Leaves as Nano-Adsorbent for Removal of Eriochrome Black T from Aqueous Phase. <i>Asian Journal of Chemistry</i> , 2022, 34, 1814-1820.	0.1	0
665	Green Synthesized Zinc-Based Nanocomposites for Environmental Remediation. <i>ACS Symposium Series</i> , 0, , 141-163.	0.5	2
666	Silk Fibroin-Induced Gadolinium-Functionalized Gold Nanoparticles for MR/CT Dual-Modal Imaging-Guided Photothermal Therapy. <i>Journal of Functional Biomaterials</i> , 2022, 13, 87.	1.8	1

#	ARTICLE	IF	CITATIONS
667	Green synthesis of SiNH ₂ @FeNP nanocomposite using and removal of methylene blue from aqueous solution: experimental design approach. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-19.	1.8	1
668	Cytotoxic Activity of Zinc Oxide Nanoparticles Mediated by <i>Euphorbia Retusa</i> . <i>Crystals</i> , 2022, 12, 903.	1.0	7
669	Synthesis, characterization, and anti-cancer potential study of Ag-MgO nanocomposite. <i>Inorganic Chemistry Communication</i> , 2022, 142, 109671.	1.8	3
670	<i>Ipomoea quamoclit</i> L. Leaf Extract Assisted Synthesis of Silver Nanoparticles: Study of its Application on Catalytic Degradation of Dyes and Antibacterial Efficacy. <i>Asian Journal of Chemistry</i> , 2022, 34, 2074-2080.	0.1	0
671	One-step Green Fabrication of Antimicrobial Surfaces via In Situ Growth of Copper Oxide Nanoparticles. <i>ACS Omega</i> , 2022, 7, 26504-26513.	1.6	7
672	Superior inhibition of virulence and biofilm formation of <i>Pseudomonas aeruginosa</i> PAO1 by phyto-synthesized silver nanoparticles through anti-quorum sensing activity. <i>Microbial Pathogenesis</i> , 2022, 170, 105678.	1.3	16
673	Electrochemical trapping of meta-stable NiO consolidated ZnO/PdO by biomimetic provenance for the employment of clean energy generation. <i>Materials Science in Semiconductor Processing</i> , 2022, 150, 106867.	1.9	10
674	Green Derived Zinc Oxide (ZnO) for the Degradation of Dyes from Wastewater and Their Antimicrobial Activity: A Review. <i>Catalysts</i> , 2022, 12, 833.	1.6	19
675	Antibacterial activity and cytotoxic effect of bisphosphonate conjugated gold nanoparticle synthesized using asparagus racemosus root extract. <i>International Journal of Health Sciences</i> , 0, , 125-137.	0.0	0
676	Green Synthesis of Silver Nanoparticles Using <i>Artemisia vulgaris</i> Extract and Its Application toward Catalytic and Metal-Sensing Activity. <i>Inorganics</i> , 2022, 10, 113.	1.2	14
677	Antibacterial activity and cytotoxic effect of bisphosphonate conjugated gold nanoparticle synthesized using <i>cissus quadrangularis</i> extract. <i>International Journal of Health Sciences</i> , 0, , 3997-4007.	0.0	0
678	Green synthesis and characterization of zinc oxide nanoparticles using bush tea (<i>Athrixia phylicoides</i> DC) natural extract: assessment of the synthesis process.. <i>F1000Research</i> , 0, 10, 1077.	0.8	2
679	BAGS (Bio-source assisted green synthesis) strategy for preparing nanostructures; the case of MgO mesotubes for wastewater reclamation. <i>Inorganic Chemistry Communication</i> , 2022, 143, 109812.	1.8	1
680	The antimicrobial and the antiproliferative effect of human triple negative breast cancer cells using the greenly synthesized iron oxide nanoparticles. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 75, 103642.	1.4	4
681	Morphology controlled biogenic fabrication of Metal/Metal oxide nanostructures using plant extract and their application in organic transformations. <i>Inorganic Chemistry Communication</i> , 2022, 144, 109855.	1.8	4
682	Green synthesis of zinc oxide nanoparticles using <i>Vernonia cinerea</i> leaf extract and evaluation as nano-nutrient on the growth and development of tomato seedling. , 2022, 2, 100011.		13
683	Triple action of FeCl ₃ -assisted hydrothermal treatment of digested sludge for deep dewatering. <i>Science of the Total Environment</i> , 2022, 848, 157727.	3.9	4
684	Green algae as a sustainable source for energy generation and storage technologies. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 53, 102658.	1.7	5

#	ARTICLE	IF	CITATIONS
685	Biosynthesized silver nanoparticles using Rosary Pea seed Extract: Evaluation of Antibacterial, cytotoxic and photocatalytic activity. <i>Inorganic Chemistry Communication</i> , 2022, 145, 109977.	1.8	4
686	Green Synthesis of Cerium Oxide Nanoparticles, Antibacterial Studies and as Catalyst for the Conversion of Cotton Seed Oil into Biodiesel. <i>Asian Journal of Chemistry</i> , 2022, 34, 2415-2423.	0.1	0
687	Green chemistry inspired formation of bioactive stable colloidal nanosilver and its wide-spectrum functionalised properties for sustainable industrial escalation. <i>Results in Chemistry</i> , 2022, 4, 100533.	0.9	3
688	Environmental Applications of Green Engineered Silver Nanoparticles. , 2022, , 199-225.		2
689	Biomimetic Route Assisted Synthesis of Nanomaterials: Characterizations and Their Applications. , 2022, , 1-19.		0
690	Green synthesis and characterization of bisphosphonate conjugated gold nanoparticle with <i>Asparagus racemosus</i> root extract. <i>Bioinformation</i> , 2022, 18, 160-164.	0.2	0
691	InÂvitro cytotoxicity against breast cancer using biogenically synthesized gold and iron oxide nanoparticles derived from the hydroethanolic extract of <i>Salvia officinalis</i> L. <i>Chemical Papers</i> , 0, , .	1.0	0
692	Preparation and Applications of Chitosanâ€“Gold Bionanocomposites. <i>Advanced Structured Materials</i> , 2023, , 67-97.	0.3	0
693	Machine Learning-Assisted Pesticide Detection on a Flexible Surface-Enhanced Raman Scattering Substrate Prepared by Silver Nanoparticles. <i>ACS Applied Nano Materials</i> , 2022, 5, 13112-13122.	2.4	13
694	Catalytic Reduction of 4-Nitrophenol Using Green Synthesized Silver and Gold Nanoparticles over Thyme Plant Extract. <i>Catalysis Letters</i> , 2023, 153, 2341-2351.	1.4	16
695	Interaction of the Nanoparticles and Plants in Selective Growth Stagesâ€”Usual Effects and Resulting Impact on Usage Perspectives. <i>Plants</i> , 2022, 11, 2405.	1.6	12
696	Microwave-assisted green synthesis, characterization, and antioxidant activity of silver nanoparticles using the aqueous extract of <i>Cistus creticus</i> . <i>Particulate Science and Technology</i> , 2023, 41, 589-599.	1.1	2
697	Value Addition in Coconut Water. , 2022, , 287-384.		1
698	Fabrication of Silicon Dioxide (SiO ₂) Nanoparticles Using Wastes of Fruitâ€™s Peel: Characterization and Biological Activities. <i>Nano</i> , 2022, 17, .	0.5	1
699	Medical and Dental Applications of Titania Nanoparticles: An Overview. <i>Nanomaterials</i> , 2022, 12, 3670.	1.9	27
700	Preparation of iron oxide nanoparticles by banana peels extract and its usage in NDT. Measurement: <i>Journal of the International Measurement Confederation</i> , 2022, 204, 112081.	2.5	4
701	Effect of Currently Available Nanoparticle Synthesis Routes on Their Biocompatibility with Fibroblast Cell Lines. <i>Molecules</i> , 2022, 27, 6972.	1.7	8
702	Effect of the <i>Juglans Regia</i> (Walnut) leaf extract concentration on the biosynthesis of ZnO nanoparticles: Characterisation and antimicrobial activity. <i>Materials Technology</i> , 2022, 37, 3194-3204.	1.5	2

#	ARTICLE	IF	CITATIONS
704	Novel zinc oxide nanoparticles of Teucrium polium suppress the malignant progression of gastric cancer cells through modulating apoptotic signaling pathways and epithelial to mesenchymal transition. <i>Gene</i> , 2023, 853, 147091.	1.0	3
705	Green Synthesis Methods of Nanomaterial Structures for Supercapacitors. , 2022, , 1-10.		0
706	Malate-based polyester chemically shielded metal-phenolic networks coated artificial hair fibers with long-lasting antimicrobial and anti-inflammatory performance. <i>Chemical Engineering Journal</i> , 2023, 455, 140572.	6.6	4
707	Controlled Formation of Hematiteâ€™ Magnetite Nanoparticles by a Biosynthesis Method and Its Photocatalytic Removal Potential Against Methyl Orange Dye. <i>Journal of Cluster Science</i> , 2023, 34, 2381-2395.	1.7	2
708	Diversity of Biogenic Nanoparticles Obtained by the Fungi-Mediated Synthesis: A Review. <i>Biomimetics</i> , 2023, 8, 1.	1.5	7
709	Green Synthesis of Fe ₃ O ₄ Nanoparticles and Its Applications in Wastewater Treatment. <i>Inorganics</i> , 2022, 10, 260.	1.2	8
710	Mycosynthesis of silver nanoparticles: a review. <i>BioMetals</i> , 0, , .	1.8	1
711	Antimicrobial, antioxidant, and antileishmanial activity of Tavernier glabra mediated ZnO NPs and Fe ₂ O ₃ NPs. <i>Inorganic Chemistry Communication</i> , 2023, 148, 110297.	1.8	3
712	Taking Advantage of Invasive Eupatorium adenophorum Plant for Eco-Synthesis and Stabilization of Nanosilver towards Durably Coloristic and Bioactive Silk Materials. <i>Sustainability</i> , 2022, 14, 16668.	1.6	0
713	An overview of green synthesis of zinc oxide nanoparticle by using various natural entities. <i>Inorganic and Nano-Metal Chemistry</i> , 0, , 1-18.	0.9	6
714	Green Synthesis of Anti-bacterial Nano Silver by Polysaccharide from Bletilla Striata. <i>Inorganics</i> , 2023, 11, 40.	1.2	4
715	Green Synthesis and Applications of Silver Nanoparticles Using Plant Extracts: A Review Article. <i>International Journal of Life Science and Pharma Research</i> , 0, , P220-P233.	0.1	0
716	Catalyst Recycling in the Suzuki Coupling Reaction: Toward a Greener Synthesis in the Pharmaceutical Industry. <i>Knowledge</i> , 2023, 3, 1-17.	0.7	7
717	Strategies involved in bio-inspired synthesis of metallic nanomaterials and their applicationsâ€™A comprehensive account. , 2023, , 1-36.		0
718	Quantum dots: catalysis applications. , 2023, , 439-462.		0
719	Plant-Based Green Synthesis of Copper Oxide Nanoparticles Using Berberis vulgaris Leaf Extract: an Update on Their Applications in Antibacterial Activity. <i>BioNanoScience</i> , 2023, 13, 212-218.	1.5	6
720	Synthesis of bimetallic FeMn nanoparticles using rooibos tea extract: characterization and application. <i>International Journal of Environmental Science and Technology</i> , 0, , .	1.8	1
721	Green synthesized nanoparticles in hepatic disorder. , 2023, , 225-249.		1

#	ARTICLE	IF	CITATIONS
722	Plant-mediated synthesis of nanoparticles and their applications: A review. Materials Research Bulletin, 2023, 163, 112233.	2.7	24
723	Lemon-juice-based microwave synthesis and optical characterization of anisotropic gold nanoparticles. Nano, 0, , .	0.5	0
724	Phenolic compounds mediated biosynthesis of gold nanoparticles and evaluation of their bioactivities: A review. International Journal of Food Science and Technology, 2023, 58, 1673-1694.	1.3	6
725	Potentials and Frontiers of Nanotechnology for Phytoremediation. , 2023, , 365-382.		0
726	Clove leaf-based magnesium nanoparticles synthesis for antimicrobial applications. Materials Today: Proceedings, 2023, , .	0.9	0
728	BIOLOGICAL AND PHYSICOCHEMICAL PROPERTIES OF GOLD AND IRON NANOPARTICLES PRODUCED BY GREEN SYNTHESIS METHOD. , 2022, , .		2
729	In Situ Gel with Silver Nanoparticles Prepared Using Agrimonia eupatoria L. Shows Antibacterial Activity. Life, 2023, 13, 573.	1.1	2
730	Pharmacology, Ethnopharmacology, and Phytochemistry of Medicinally Active Moringa oleifera: A Review. Natural Products Journal, 2023, 13, .	0.1	0
731	Green synthesis of CaCO ₃ nanoparticles for photocatalysis and cytotoxicity. Bioprocess and Biosystems Engineering, 2023, 46, 727-734.	1.7	3
732	Nanomaterials: introduction, synthesis, characterization, and applications. , 2023, , 1-21.		0
733	Application of asymmetrical configuration in electrochemical noise to investigate corrosion inhibition of Aluminum alloy by Ranunculus Arvensis/silver nanoparticles. Scientific Reports, 2023, 13, .	1.6	0
734	Biogenic Zinc Oxide Nanoparticles and Their Biomedical Applications: A Review. Journal of Inorganic and Organometallic Polymers and Materials, 2023, 33, 1437-1452.	1.9	17
737	Biomimetic Route-Assisted Synthesis of Nanomaterials: Characterizations and Their Applications. , 2023, , 3-21.		0
740	Applications of engineered magnetite nanoparticles for water pollutants removal. , 2023, , 23-68.		0
741	Green Synthesis of Nontoxic Nanoparticles. , 2023, , 319-338.		0
748	Using Nanoremediation Strategies: Costâ€“Benefit Analysis. , 2023, , 357-374.		0
750	Effluent Xenobiotics and Prospects of Biogenic Zinc Oxide Nanoparticles for the Treatment of Textile Dye Effluent. , 2023, , 55-75.		0
755	Biosynthesis of Nanomaterials and Applications in Biomedical Industry. , 2023, , 1-15.		0

#	ARTICLE	IF	CITATIONS
757	Recent advances in herb-synthesized nanoparticles for viral diseases. , 2023, , 279-292.		1
760	Various Metabolites and or Bioactive Compounds from Vegetables, and Their Use Nanoparticles Synthesis, and Applications. , 2023, , 187-209.		0
764	Available Synthesis Methods of Green Nanomaterials, Their Properties, and Characterization. , 2023, , 211-229.		0
766	Room-temperature phosphorescent materials derived from natural resources. Nature Reviews Chemistry, 2023, 7, 800-812.	13.8	10
767	Practical Applications of Apocynaceae Plants in Nanotechnology. , 2023, , 205-263.		0
768	Bioengineered silver nanoparticles for antimicrobial therapeutics. , 2023, , 443-473.		0
769	Green Synthesis of Microbial Nanoparticles. , 2023, , 331-350.		0
776	Nano-engineered Hybrid Materials for Cationic Dye Removal. , 2023, , 273-301.		0
777	Environment friendly green synthesis of nanomaterials. , 2023, , .		0
794	Green route synthesis of silver nanoparticles (Ag-NPs) and their applications. , 2024, , 3-13.		0
795	Principles and practice of greener ionic liquidâ€™nanoparticles biosystem. Green Chemistry, 2024, 26, 3072-3124.	4.6	0
796	Green synthesis of nanomaterials from plant resources: its properties and applications. , 2024, , 207-220.		0
797	Panorama of microbial regimes toward nanomaterialsâ€™ synthesis. , 2024, , 77-89.		0