Brajesh Kumar

List of Publications by Year
in descending order

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69	2,763	172457	189892
papers	citations	29 h-index	50 g-index

75	75	75	3151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Capsicum baccatum (Andean Chilli)-assisted phytosynthesis of silver nanoparticles and their H₂O₂ sensing ability. Particulate Science and Technology, 2022, 40, 772-780.	2.1	4
2	Phytosynthesis, characterization and catalytic activity of Sacha inchi leaf-assisted gold nanoparticles. Chemical Papers, 2022, 76, 2855-2864.	2.2	6
3	Comparative statistical analysis of the release kinetics models for nanoprecipitated drug delivery systems based on poly(lactic-co-glycolic acid). PLoS ONE, 2022, 17, e0264825.	2.5	50
4	Ultrasound-assisted green synthesis of Urchin like palladium oxide nanoparticles using alginate and its photocatalytic application. Inorganic Chemistry Communication, 2022, 141, 109618.	3.9	4
5	Green Synthesis of Cuprous Oxide Nanoparticles Using Andean Capuli (Prunus serotina Ehrh. var.) Tj ETQq1 1 0.784314 rgBT /Overlock	3.3	7
6	One-Pot Biosynthesis of Maghemite (Î³-Fe2O3) Nanoparticles in Aqueous Extract of Ficus carica Fruit and Their Application for Antioxidant and 4-Nitrophenol Reduction. Waste and Biomass Valorization, 2021, 12, 3575-3587.	3.4	13
7	Green Synthesis of Gold, Silver, and Iron Nanoparticles for the Degradation of Organic Pollutants in Wastewater. Journal of Composites Science, 2021, 5, 219.	3.0	36
8	A Review of Adsorbents for Heavy Metal Decontamination: Growing Approach to Wastewater Treatment. Materials, 2021, 14, 4702.	2.9	95
9	Plukenetia volubilis L. Seed flour mediated biofabrication and characterization of silver nanoparticles. Chemical Physics Letters, 2021, 781, 138993.	2.6	12
10	A Closer Look to Polyesters: Properties, Synthesis, Characterization, and Particle Drug Delivery Applications. Nanoscience and Nanotechnology - Asia, 2021, 11, .	0.7	1
11	Spectroscopic and morphological characterization of Nephelium lappaceum peel extract synthesized gold nanoflowers and its catalytic activity. Inorganic Chemistry Communication, 2021, 133, 108868.	3.9	13
12	Andean Capuli Fruit Derived Anisotropic Gold Nanoparticles with Antioxidant and Photocatalytic Activity. BioNanoScience, 2021, 11, 962-969.	3.5	8
13	Synthesis and characterization of SnO2 nanoparticles using cochineal dye. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	3
14	Andean Sacha Inchi (Plukenetia Volubilis L.) Leaf-Mediated Synthesis of Cu2O Nanoparticles: A Low-Cost Approach. Bioengineering, 2020, 7, 54.	3.5	19
15	Characterization and application of biosynthesized iron oxide nanoparticles using Citrus paradisi peel: A sustainable approach. Inorganic Chemistry Communication, 2020, 119, 108116.	3.9	48
16	Phytosynthesis of Silver Nanoparticles using Andean Cabbage: Structural Characterization and its Application. Materials Today: Proceedings, 2020, 21, 2079-2086.	1.8	8
17	On the examination of raw, pasteurized, powdered, and adulterated milk samples and their multivariate classification: applications in food and forensic science. Spectroscopy Letters, 2019, 52, 583-598.	1.0	1
18	Nanoparticles for Environment, Engineering, and Nanomedicine. Journal of Nanotechnology, 2019, 2019, 1-2.	3.4	14

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19	Ecofriendly synthesis of monodispersed silver nanoparticles using Andean MortiÃ±o berry as reductant and its photocatalytic activity. Vacuum, 2019, 160, 272-278.	3.5	46
20	Ultrasound-assisted synthesis and antibacterial activity of gallic acid-chitosan modified silver nanoparticles. Progress in Organic Coatings, 2019, 129, 229-235.	3.9	34
21	Utilization of Persea americana (Avocado) oil for the synthesis of gold nanoparticles in sunlight and evaluation of antioxidant and photocatalytic activities. Environmental Nanotechnology, Monitoring and Management, 2018, 10, 231-237.	2.9	19
22	Phytochemicals and Their Functionalized Nanoparticles as Quorum Sensing Inhibitor and Chemotherapeutic Agent. , 2018, , 349-376.		0
23	Biofabrication of copper oxide nanoparticles using Andean blackberry (Rubus glaucus Benth.) fruit and leaf. Journal of Saudi Chemical Society, 2017, 21, S475-S480.	5.2	96
24	Green synthesis of silver nanoparticles using Andean blackberry fruit extract. Saudi Journal of Biological Sciences, 2017, 24, 45-50.	3.8	221
25	Extracellular biofabrication of gold nanoparticles by using Lantana camara berry extract. Inorganic and Nano-Metal Chemistry, 2017, 47, 138-142.	1.6	16
26	Shora (Capparis petiolaris) fruit mediated green synthesis and application of silver nanoparticles. Green Processing and Synthesis, 2017, 6, 23-30.	3.4	15
27	Sacha inchi (Plukenetia volubilis L.) shell biomass for synthesis of silver nanocatalyst. Journal of Saudi Chemical Society, 2017, 21, S293-S298.	5.2	41
28	Plant mediated detoxification of mercury and lead. Arabian Journal of Chemistry, 2017, 10, S2335-S2342.	4.9	121
29	Reliable Tools for Quantifying the Morphogical Properties at the Nanoscale. Biology and Medicine (Aligarh), 2016, 08, .	0.3	11
30	Ecofriendly ultrasound-assisted rapid synthesis of gold nanoparticles using Calothrix algae. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2016, 7, 025013.	1.5	23
31	Phytosynthesis and photocatalytic activity of magnetite (Fe3O4) nanoparticles using the Andean blackberry leaf. Materials Chemistry and Physics, 2016, 179, 310-315.	4.0	111
32	Valorization of rambutan peel for the synthesis of silver-doped titanium dioxide (Ag/TiO₂) nanoparticles. Green Processing and Synthesis, 2016, 5, 371-377.	3.4	31
33	Extracellular green synthesis of silver nanoparticles using Amazonian fruit Araza (Eugenia stipitata) Tj ETQq1 1 0.784314 rgBT /Overlo	4.2	34
34	Biosynthesis of silver nanoparticles using lavender leaf and their applications for catalytic, sensing, and antioxidant activities. Nanotechnology Reviews, 2016, 5, .	5.8	28
35	Phytochemically Functionalized Silver and Gold Nanoparticles to Treat Microbes, Viruses and Cancer. Sustainable Agriculture Reviews, 2016, , 235-252.	1.1	4
36	MortiÃ±o (Vaccinium floribundum Kunth) berry assisted green synthesis and photocatalytic performance of Silverâ€“Graphene nanocomposite. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 329, 273-279.	3.9	31

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37	Andean Sacha inchi (Plukenetia volubilis L.) shell biomass as new biosorbents for Pb 2+ and Cu 2+ ions. Ecological Engineering, 2016, 93, 152-158.	3.6	39
38	Green Synthesis of Silver Nanoparticles Using Natural Dyes of Cochineal. Journal of Cluster Science, 2016, 27, 703-713.	3.3	21
39	Ficus carica (Fig) Fruit Mediated Green Synthesis of Silver Nanoparticles and its Antioxidant Activity: a Comparison of Thermal and Ultrasonication Approach. BioNanoScience, 2016, 6, 15-21.	3.5	48
40	One pot phytosynthesis of gold nanoparticles using Genipa americana fruit extract and its biological applications. Materials Science and Engineering C, 2016, 62, 725-731.	7.3	86
41	Biofabrication of nanogold from the flower extracts of Lantana camara. IET Nanobiotechnology, 2016, 10, 154-157.	3.8	21
42	In vitro evaluation of silver nanoparticles cytotoxicity on Hepatic cancer (Hep-G2) cell line and their antioxidant activity: Green approach for fabrication and application. Journal of Photochemistry and Photobiology B: Biology, 2016, 159, 8-13.	3.8	91
43	One pot synthesis and characterization of gold nanocatalyst using Sacha inchi (Plukenetia volubilis) oil: Green approach. Journal of Photochemistry and Photobiology B: Biology, 2016, 158, 55-60.	3.8	38
44	Ionic Liquid Based Silica Tuned Silver Nanoparticles: Novel Approach for Fabrication. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2016, 46, 1265-1271.	0.6	6
45	Biosynthesis of silver nanoparticles using Lantana camara flower extract and its application. Journal of Sol-Gel Science and Technology, 2016, 78, 285-292.	2.4	42
46	Capuli cherry-mediated green synthesis of silver nanoparticles under white solar and blue LED light. Particuology, 2016, 24, 123-128.	3.6	60
47	Aqueous Phase Lavender Leaf Mediated Green Synthesis of Gold Nanoparticles and Evaluation of its Antioxidant Activity. Biology and Medicine (Aligarh), 2016, 08, .	0.3	15
48	Ultrasound agitated phytofabrication of palladium nanoparticles using Andean blackberry leaf and its photocatalytic activity. Journal of Saudi Chemical Society, 2015, 19, 574-580.	5.2	38
49	Phytosynthesis of gold nanoparticles using Andean AjÄ±â€² (Capsicum baccatum L.). Cogent Chemistry, 2015, 1, 1120982.	2.5	20
50	Lantana camara berry for the synthesis of silver nanoparticles. Asian Pacific Journal of Tropical Biomedicine, 2015, 5, 192-195.	1.2	42
51	Fabrication of silver nanoplates using Nephelium lappaceum (Rambutan) peel: A sustainable approach. Journal of Molecular Liquids, 2015, 211, 476-480.	4.9	66
52	Chemo selective one-pot synthesis of 2-aryl-1-arylmethyl-1H-benzimidazoles using Amberlite IR-120. Arabian Journal of Chemistry, 2015, 8, 685-691.	4.9	10
53	Pomosynthesis And Biological Activity Of Silver Nanoparticles Using Passiflora Tripartita Fruit Extracts. Advanced Materials Letters, 2015, 6, 127-132.	0.6	26
54	Ultrasound promoted and SiO2/CCl3COOH mediated synthesis of 2-aryl-1-arylmethyl-1H-benzimidazole derivatives in aqueous media: An eco-friendly approach. Journal of Chemical Sciences, 2014, 126, 1831-1840.	1.5	20

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55	Microwave-Assisted Extraction and Solid-Phase Separation of Quercetin from Solid Onion (Allium) Tj ETQq1 1 0.784314 rgBT /Ove	2.5	25
56	Green Approach for Fabrication and Applications of Zinc Oxide Nanoparticles. Bioinorganic Chemistry and Applications, 2014, 2014, 1-7.	4.1	102
57	Sonochemical Synthesis of Silver Nanoparticles Using Starch: A Comparison. Bioinorganic Chemistry and Applications, 2014, 2014, 1-8.	4.1	75
58	Biogenic synthesis of iron oxide nanoparticles for 2-arylbenzimidazole fabrication. Journal of Saudi Chemical Society, 2014, 18, 364-369.	5.2	145
59	Sacha inchi (Plukenetia volubilis L.) oil for one pot synthesis of silver nanocatalyst: An ecofriendly approach. Industrial Crops and Products, 2014, 58, 238-243.	5.2	53
60	Synthesis of silver nanoparticles using Sacha inchi (Plukenetia volubilis L.) leaf extracts. Saudi Journal of Biological Sciences, 2014, 21, 605-609.	3.8	105
61	In Vitro Evaluation of Selected Benzimidazole Derivatives as an Antioxidant and Xanthine Oxidase Inhibitors. Chemical Biology and Drug Design, 2013, 82, 290-295.	3.2	62
62	Rapid Microwave Digestion Procedures for the Elemental Analysis of Alloy and Slag Samples of Smelted Ocean Bed Polymetallic Nodules. Journal of Chemistry, 2013, 2013, 1-6.	1.9	3
63	New Genera of Flavonols and Flavonol Derivatives As Therapeutic Molecules. Journal of the Korean Society for Applied Biological Chemistry, 2011, 54, .	0.9	33
64	Characterization of a cinnamoyl derivative from broccoli (Brassica oleracea L. var. italica) florets. FÃ¬toterapÃ¬Ã¢, 2010, 81, 1062-1066.	2.2	13
65	Potent antimalarial activity of newly synthesized substituted chalcone analogs in vitro. Medicinal Chemistry Research, 2009, 18, 407-420.	2.4	93
66	Synthesis of novel substituted 1,3-diaryl propenone derivatives and their antimalarial activity in vitro. European Journal of Medicinal Chemistry, 2008, 43, 1530-1535.	5.5	122
67	Cytotoxic and Antiproliferative Effects of Nanomaterials on Cancer Cell Lines: A Review. , 0, , .		5
68	Graphene- and Graphene Oxide-Bounded Metal Nanocomposite for Remediation of Organic Pollutants. , 0, , .		4
69	Single-step biogenic synthesis of silver nanoparticles using honeybee-collected pollen. Inorganic and Nano-Metal Chemistry, 0, , 1-7.	1.6	2