

# Brajesh Kumar

## List of Publications by Year in descending order

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69  
papers

2,763  
citations

172457

29  
h-index

189892

50  
g-index

75  
all docs

75  
docs citations

75  
times ranked

3151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of silver nanoparticles using Andean blackberry fruit extract. Saudi Journal of Biological Sciences, 2017, 24, 45-50.	3.8	221
2	Biogenic synthesis of iron oxide nanoparticles for 2-arylbenzimidazole fabrication. Journal of Saudi Chemical Society, 2014, 18, 364-369.	5.2	145
3	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
4	Plant mediated detoxification of mercury and lead. Arabian Journal of Chemistry, 2017, 10, S2335-S2342.	4.9	121
5	Phytosynthesis and photocatalytic activity of magnetite (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles using the Andean blackberry leaf. Materials Chemistry and Physics, 2016, 179, 310-315.	4.0	111
6	Synthesis of silver nanoparticles using Sacha inchi ( <i>Plukenetia volubilis</i> L.) leaf extracts. Saudi Journal of Biological Sciences, 2014, 21, 605-609.	3.8	105
7	Green Approach for Fabrication and Applications of Zinc Oxide Nanoparticles. Bioinorganic Chemistry and Applications, 2014, 2014, 1-7.	4.1	102
8	Biofabrication of copper oxide nanoparticles using Andean blackberry ( <i>Rubus glaucus</i> Benth.) fruit and leaf. Journal of Saudi Chemical Society, 2017, 21, S475-S480.	5.2	96
9	A Review of Adsorbents for Heavy Metal Decontamination: Growing Approach to Wastewater Treatment. Materials, 2021, 14, 4702.	2.9	95
10	Potent antimalarial activity of newly synthesized substituted chalcone analogs in vitro. Medicinal Chemistry Research, 2009, 18, 407-420.	2.4	93
11	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
12	One pot phytosynthesis of gold nanoparticles using <i>Genipa americana</i> fruit extract and its biological applications. Materials Science and Engineering C, 2016, 62, 725-731.	7.3	86
13	Sonochemical Synthesis of Silver Nanoparticles Using Starch: A Comparison. Bioinorganic Chemistry and Applications, 2014, 2014, 1-8.	4.1	75
14	Fabrication of silver nanoplates using <i>Nephelium lappaceum</i> (Rambutan) peel: A sustainable approach. Journal of Molecular Liquids, 2015, 211, 476-480.	4.9	66
15	<i>In Vitro</i> Evaluation of Selected Benzimidazole Derivatives as an Antioxidant and Xanthine Oxidase Inhibitors. Chemical Biology and Drug Design, 2013, 82, 290-295.	3.2	62
16	Capuli cherry-mediated green synthesis of silver nanoparticles under white solar and blue LED light. Particuology, 2016, 24, 123-128.	3.6	60
17	Sacha inchi ( <i>Plukenetia volubilis</i> L.) oil for one pot synthesis of silver nanocatalyst: An ecofriendly approach. Industrial Crops and Products, 2014, 58, 238-243.	5.2	53
18	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

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19	Ficus carica (Fig) Fruit Mediated Green Synthesis of Silver Nanoparticles and its Antioxidant Activity: a Comparison of Thermal and Ultrasonication Approach. <i>BioNanoScience</i> , 2016, 6, 15-21.	3.5	48
20	Characterization and application of biosynthesized iron oxide nanoparticles using Citrus paradisi peel: A sustainable approach. <i>Inorganic Chemistry Communication</i> , 2020, 119, 108116.	3.9	48
21	Ecofriendly synthesis of monodispersed silver nanoparticles using Andean Mortiñeo berry as reductant and its photocatalytic activity. <i>Vacuum</i> , 2019, 160, 272-278.	3.5	46
22	Lantana camara berry for the synthesis of silver nanoparticles. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2015, 5, 192-195.	1.2	42
23	Biosynthesis of silver nanoparticles using Lantana camara flower extract and its application. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 78, 285-292.	2.4	42
24	Sacha inchi ( <i>Plukenetia volubilis</i> L.) shell biomass for synthesis of silver nanocatalyst. <i>Journal of Saudi Chemical Society</i> , 2017, 21, S293-S298.	5.2	41
25	Andean Sacha inchi ( <i>Plukenetia volubilis</i> L.) shell biomass as new biosorbents for Pb <sup>2+</sup> and Cu <sup>2+</sup> ions. <i>Ecological Engineering</i> , 2016, 93, 152-158.	3.6	39
26	Ultrasound agitated phytofabrication of palladium nanoparticles using Andean blackberry leaf and its photocatalytic activity. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 574-580.	5.2	38
27	One pot synthesis and characterization of gold nanocatalyst using Sacha inchi ( <i>Plukenetia volubilis</i> ) oil: Green approach. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 158, 55-60.	3.8	38
28	Green Synthesis of Gold, Silver, and Iron Nanoparticles for the Degradation of Organic Pollutants in Wastewater. <i>Journal of Composites Science</i> , 2021, 5, 219.	3.0	36
29	Extracellular green synthesis of silver nanoparticles using Amazonian fruit Araza ( <i>Eugenia stipitata</i> )	4.2	34
30	Ultrasound-assisted synthesis and antibacterial activity of gallic acid-chitosan modified silver nanoparticles. <i>Progress in Organic Coatings</i> , 2019, 129, 229-235.	3.9	34
31	New Genera of Flavonols and Flavonol Derivatives As Therapeutic Molecules. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2011, 54, .	0.9	33
32	Valorization of rambutan peel for the synthesis of silver-doped titanium dioxide (Ag/TiO <sub>2</sub> ) nanoparticles. <i>Green Processing and Synthesis</i> , 2016, 5, 371-377.	3.4	31
33	Mortiñeo ( <i>Vaccinium floribundum</i> Kunth) berry assisted green synthesis and photocatalytic performance of Silver@Graphene nanocomposite. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 329, 273-279.	3.9	31
34	Biosynthesis of silver nanoparticles using lavender leaf and their applications for catalytic, sensing, and antioxidant activities. <i>Nanotechnology Reviews</i> , 2016, 5, .	5.8	28
35	Pomogenesis And Biological Activity Of Silver Nanoparticles Using Passiflora Tripartita Fruit Extracts. <i>Advanced Materials Letters</i> , 2015, 6, 127-132.	0.6	26
36	Microwave-Assisted Extraction and Solid-Phase Separation of Quercetin from Solid Onion ( <i>Allium</i> )	2.5	25

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37	Ecofriendly ultrasound-assisted rapid synthesis of gold nanoparticles using <i>Calothrix</i> algae. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2016, 7, 025013.	1.5	23
38	Green Synthesis of Silver Nanoparticles Using Natural Dyes of Cochineal. <i>Journal of Cluster Science</i> , 2016, 27, 703-713.	3.3	21
39	Biofabrication of nanogold from the flower extracts of <i>Lantana camara</i> . <i>IET Nanobiotechnology</i> , 2016, 10, 154-157.	3.8	21
40	Ultrasound promoted and SiO <sub>2</sub> /CCl <sub>3</sub> COOH mediated synthesis of 2-aryl-1-arylmethyl-1H-benzimidazole derivatives in aqueous media: An eco-friendly approach. <i>Journal of Chemical Sciences</i> , 2014, 126, 1831-1840.	1.5	20
41	Phytosynthesis of gold nanoparticles using Andean <i>AjÃ±Ã±</i> ( <i>Capsicum baccatum</i> L.). <i>Cogent Chemistry</i> , 2015, 1, 1120982.	2.5	20
42	Utilization of <i>Persea americana</i> (Avocado) oil for the synthesis of gold nanoparticles in sunlight and evaluation of antioxidant and photocatalytic activities. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018, 10, 231-237.	2.9	19
43	Andean Sacha Inchi ( <i>Plukenetia Volubilis</i> L.) Leaf-Mediated Synthesis of Cu <sub>2</sub> O Nanoparticles: A Low-Cost Approach. <i>Bioengineering</i> , 2020, 7, 54.	3.5	19
44	Extracellular biofabrication of gold nanoparticles by using <i>Lantana camara</i> berry extract. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 138-142.	1.6	16
45	Shora ( <i>Capparis petiolaris</i> ) fruit mediated green synthesis and application of silver nanoparticles. <i>Green Processing and Synthesis</i> , 2017, 6, 23-30.	3.4	15
46	Aqueous Phase Lavender Leaf Mediated Green Synthesis of Gold Nanoparticles and Evaluation of its Antioxidant Activity. <i>Biology and Medicine (Aligarh)</i> , 2016, 08, .	0.3	15
47	Nanoparticles for Environment, Engineering, and Nanomedicine. <i>Journal of Nanotechnology</i> , 2019, 2019, 1-2.	3.4	14
48	Characterization of a cinnamoyl derivative from broccoli ( <i>Brassica oleracea</i> L. var. <i>italica</i> ) florets. <i>FÃ±-toterapÃ±</i> , 2010, 81, 1062-1066.	2.2	13
49	One-Pot Biosynthesis of Maghemite ( <sup>13</sup> Fe <sub>2</sub> O <sub>3</sub> ) Nanoparticles in Aqueous Extract of <i>Ficus carica</i> Fruit and Their Application for Antioxidant and 4-Nitrophenol Reduction. <i>Waste and Biomass Valorization</i> , 2021, 12, 3575-3587.	3.4	13
50	Spectroscopic and morphological characterization of <i>Nephelium lappaceum</i> peel extract synthesized gold nanoflowers and its catalytic activity. <i>Inorganic Chemistry Communication</i> , 2021, 133, 108868.	3.9	13
51	<i>Plukenetia volubilis</i> L. Seed flour mediated biofabrication and characterization of silver nanoparticles. <i>Chemical Physics Letters</i> , 2021, 781, 138993.	2.6	12
52	Reliable Tools for Quantifying the Morphological Properties at the Nanoscale. <i>Biology and Medicine (Aligarh)</i> , 2016, 08, .	0.3	11
53	Chemo selective one-pot synthesis of 2-aryl-1-arylmethyl-1H-benzimidazoles using Amberlite IR-120. <i>Arabian Journal of Chemistry</i> , 2015, 8, 685-691.	4.9	10
54	Phytosynthesis of Silver Nanoparticles using Andean Cabbage: Structural Characterization and its Application. <i>Materials Today: Proceedings</i> , 2020, 21, 2079-2086.	1.8	8

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55	Andean Capuli Fruit Derived Anisotropic Gold Nanoparticles with Antioxidant and Photocatalytic Activity. <i>BioNanoScience</i> , 2021, 11, 962-969.	3.5	8
56	Green Synthesis of Cuprous Oxide Nanoparticles Using Andean Capuli ( <i>Prunus serotina</i> Ehrh. var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.3	7
57	Ionic Liquid Based Silica Tuned Silver Nanoparticles: Novel Approach for Fabrication. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 1265-1271.	0.6	6
58	Phytosynthesis, characterization and catalytic activity of Sacha inchi leaf-assisted gold nanoparticles. <i>Chemical Papers</i> , 2022, 76, 2855-2864.	2.2	6
59	Cytotoxic and Antiproliferative Effects of Nanomaterials on Cancer Cell Lines: A Review. , 0, , .		5
60	Phytochemically Functionalized Silver and Gold Nanoparticles to Treat Microbes, Viruses and Cancer. <i>Sustainable Agriculture Reviews</i> , 2016, , 235-252.	1.1	4
61	Graphene- and Graphene Oxide-Bounded Metal Nanocomposite for Remediation of Organic Pollutants. , 0, , .		4
62	<i>Capsicum baccatum</i> (Andean Chilli)-assisted phytosynthesis of silver nanoparticles and their H <sub>2</sub> O <sub>2</sub> sensing ability. <i>Particulate Science and Technology</i> , 2022, 40, 772-780.	2.1	4
63	Ultrasound-assisted green synthesis of Urchin like palladium oxide nanoparticles using alginate and its photocatalytic application. <i>Inorganic Chemistry Communication</i> , 2022, 141, 109618.	3.9	4
64	Rapid Microwave Digestion Procedures for the Elemental Analysis of Alloy and Slag Samples of Smelted Ocean Bed Polymetallic Nodules. <i>Journal of Chemistry</i> , 2013, 2013, 1-6.	1.9	3
65	Synthesis and characterization of SnO <sub>2</sub> nanoparticles using cochineal dye. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	3
66	Single-step biogenic synthesis of silver nanoparticles using honeybee-collected pollen. <i>Inorganic and Nano-Metal Chemistry</i> , 0, , 1-7.	1.6	2
67	On the examination of raw, pasteurized, powdered, and adulterated milk samples and their multivariate classification: applications in food and forensic science. <i>Spectroscopy Letters</i> , 2019, 52, 583-598.	1.0	1
68	A Closer Look to Polyesters: Properties, Synthesis, Characterization, and Particle Drug Delivery Applications. <i>Nanoscience and Nanotechnology - Asia</i> , 2021, 11, .	0.7	1
69	Phytochemicals and Their Functionalized Nanoparticles as Quorum Sensing Inhibitor and Chemotherapeutic Agent. , 2018, , 349-376.		0