

Luis Cumbal

List of Publications by Year in descending order

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67
papers

3,608
citations

172207

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133063

59
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69
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69
docs citations

69
times ranked

4324
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Capsicum baccatum</i> (Andean Chili)-assisted phytosynthesis of silver nanoparticles and their H_2O_2 sensing ability. <i>Particulate Science and Technology</i> , 2022, 40, 772-780.	1.1	4
2	Phytosynthesis, characterization and catalytic activity of Sacha inchi leaf-assisted gold nanoparticles. <i>Chemical Papers</i> , 2022, 76, 2855-2864.	1.0	6
3	Synthesis of Iron, Zinc, and Manganese Nanofertilizers, Using Andean Blueberry Extract, and Their Effect in the Growth of Cabbage and Lupin Plants. <i>Nanomaterials</i> , 2022, 12, 1921.	1.9	14
4	Ultrasound-assisted green synthesis of Urchin like palladium oxide nanoparticles using alginate and its photocatalytic application. <i>Inorganic Chemistry Communication</i> , 2022, 141, 109618.	1.8	4
5	Green Synthesis of Cuprous Oxide Nanoparticles Using Andean Capuli (<i>Prunus serotina</i> Ehrh. var.) Tj ETQq1 1 0.784314 rgBT/Overlo	1.7	7
6	One-Pot Biosynthesis of Maghemite (β -Fe ₂ O ₃) 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.	1.8	13
7	Retention of heavy metals from mine tailings using Technosols prepared with native soils and nanoparticles. <i>Heliyon</i> , 2021, 7, e07631.	1.4	6
8	<i>Plukenetia volubilis</i> L. Seed flour mediated biofabrication and characterization of silver nanoparticles. <i>Chemical Physics Letters</i> , 2021, 781, 138993.	1.2	12
9	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.	1.8	13
10	Andean Capuli Fruit Derived Anisotropic Gold Nanoparticles with Antioxidant and Photocatalytic Activity. <i>BioNanoScience</i> , 2021, 11, 962-969.	1.5	8
11	Synthesis of silver nanoparticles with remediative potential using discarded yerba mate: An eco-friendly approach. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104425.	3.3	12
12	Synthesis and characterization of SnO ₂ nanoparticles using cochineal dye. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	3
13	Andean Sacha Inchi (<i>Plukenetia Volubilis</i> L.) Leaf-Mediated Synthesis of Cu ₂ O Nanoparticles: A Low-Cost Approach. <i>Bioengineering</i> , 2020, 7, 54.	1.6	19
14	Characterization and application of biosynthesized iron oxide nanoparticles using <i>Citrus paradisi</i> peel: A sustainable approach. <i>Inorganic Chemistry Communication</i> , 2020, 119, 108116.	1.8	48
15	Phytosynthesis of Silver Nanoparticles using Andean Cabbage: Structural Characterization and its Application. <i>Materials Today: Proceedings</i> , 2020, 21, 2079-2086.	0.9	8
16	Nanoparticles for Environment, Engineering, and Nanomedicine. <i>Journal of Nanotechnology</i> , 2019, 2019, 1-2.	1.5	14
17	Ecofriendly synthesis of monodispersed silver nanoparticles using Andean Mortiñ±o berry as reductant and its photocatalytic activity. <i>Vacuum</i> , 2019, 160, 272-278.	1.6	46
18	Ultrasound-assisted synthesis and antibacterial activity of gallic acid-chitosan modified silver nanoparticles. <i>Progress in Organic Coatings</i> , 2019, 129, 229-235.	1.9	34

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19	Green Synthesis of Iron Nanoparticles: Application on the Removal of Petroleum Oil from Contaminated Water and Soils. <i>Journal of Nanotechnology</i> , 2018, 2018, 1-8.	1.5	42
20	Biosynthesis of Multicomponent Nanoparticles with Extract of <i>Mortierella</i> (<i>Vaccinium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (f) Soils. <i>Journal of Nanotechnology</i> , 2018, 2018, 1-10.	1.5	17
21	Spatio-Temporal River Contamination Measurements with Electrochemical Probes and Mobile Sensor Networks. <i>Sustainability</i> , 2018, 10, 1449.	1.6	1
22	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.	1.7	19
23	Biofabrication of copper oxide nanoparticles using Andean blackberry (<i>Rubus glaucus</i> Benth.) fruit and leaf. <i>Journal of Saudi Chemical Society</i> , 2017, 21, S475-S480.	2.4	96
24	Green synthesis of silver nanoparticles using Andean blackberry fruit extract. <i>Saudi Journal of Biological Sciences</i> , 2017, 24, 45-50.	1.8	221
25	Extracellular biofabrication of gold nanoparticles by using <i>Lantana camara</i> berry extract. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 138-142.	0.9	16
26	Shora (<i>Capparis petiolaris</i>) fruit mediated green synthesis and application of silver nanoparticles. <i>Green Processing and Synthesis</i> , 2017, 6, 23-30.	1.3	15
27	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.	2.4	41
28	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.	0.7	23
29	Phytosynthesis and photocatalytic activity of magnetite (Fe ₃ O ₄) nanoparticles using the Andean blackberry leaf. <i>Materials Chemistry and Physics</i> , 2016, 179, 310-315.	2.0	111
30	Valorization of rambutan peel for the synthesis of silver-doped titanium dioxide (Ag/TiO ₂) nanoparticles. <i>Green Processing and Synthesis</i> , 2016, 5, 371-377.	1.3	31
31	Extracellular green synthesis of silver nanoparticles using Amazonian fruit Araza (<i>Eugenia stipitata</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 707 Td (f)	1.7	34
32	Biosynthesis of silver nanoparticles using lavender leaf and their applications for catalytic, sensing, and antioxidant activities. <i>Nanotechnology Reviews</i> , 2016, 5, .	2.6	28
33	<i>Mortierella</i> (<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.	2.0	31
34	Peptides conjugated to silver nanoparticles in biomedicine – a value-added phenomenon. <i>Biomaterials Science</i> , 2016, 4, 1713-1725.	2.6	34
35	Andean Sacha inchi (<i>Plukenetia volubilis</i> L.) shell biomass as new biosorbents for Pb ²⁺ and Cu ²⁺ ions. <i>Ecological Engineering</i> , 2016, 93, 152-158.	1.6	39
36	Green Synthesis of Silver Nanoparticles Using Natural Dyes of Cochineal. <i>Journal of Cluster Science</i> , 2016, 27, 703-713.	1.7	21

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37	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.	1.5	48
38	One pot phytosynthesis of gold nanoparticles using <i>Genipa americana</i> fruit extract and its biological applications. <i>Materials Science and Engineering C</i> , 2016, 62, 725-731.	3.8	86
39	Biofabrication of nanogold from the flower extracts of <i>Lantana camara</i> . <i>IET Nanobiotechnology</i> , 2016, 10, 154-157.	1.9	21
40	In vitro evaluation of silver nanoparticles cytotoxicity on Hepatic cancer (Hep-G2) cell line and their antioxidant activity: Green approach for fabrication and application. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 159, 8-13.	1.7	91
41	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.	1.7	38
42	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
43	Biosynthesis of silver nanoparticles using <i>Lantana camara</i> flower extract and its application. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 78, 285-292.	1.1	42
44	Capuli cherry-mediated green synthesis of silver nanoparticles under white solar and blue LED light. <i>Particuology</i> , 2016, 24, 123-128.	2.0	60
45	Optimized Synthesis of Multicomponent Nanoparticles for Removing Heavy Metals from Artificial Mine Tailings. <i>Biology and Medicine (Aligarh)</i> , 2016, 08, .	0.3	4
46	Ultrasound agitated phytosynthesis of palladium nanoparticles using Andean blackberry leaf and its photocatalytic activity. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 574-580.	2.4	38
47	Phytosynthesis of gold nanoparticles using Andean <i>AjÃ±Ã± (Capsicum baccatum L.)</i> . <i>Cogent Chemistry</i> , 2015, 1, 1120982.	2.5	20
48	A texture based image processing algorithm for nanoparticles analysis. , 2015, , .		0
49	<i>Lantana camara</i> berry for the synthesis of silver nanoparticles. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2015, 5, 192-195.	0.5	42
50	Fabrication of silver nanoplates using <i>Nephelium lappaceum</i> (Rambutan) peel: A sustainable approach. <i>Journal of Molecular Liquids</i> , 2015, 211, 476-480.	2.3	66
51	Pomosynthesis And Biological Activity Of Silver Nanoparticles Using <i>Passiflora Tripartita</i> Fruit Extracts. <i>Advanced Materials Letters</i> , 2015, 6, 127-132.	0.3	26
52	Ultrasound promoted and SiO ₂ /CCl ₃ 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.	0.7	20
53	Microwave-Assisted Extraction and Solid-Phase Separation of Quercetin from Solid Onion (<i>Allium</i>) Tj ETQq1 1 0.784314 rgBT /Overto	1.3	25
54	Green Approach for Fabrication and Applications of Zinc Oxide Nanoparticles. <i>Bioinorganic Chemistry and Applications</i> , 2014, 2014, 1-7.	1.8	102

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55	Sonochemical Synthesis of Silver Nanoparticles Using Starch: A Comparison. <i>Bioinorganic Chemistry and Applications</i> , 2014, 2014, 1-8.	1.8	75
56	Biogenic synthesis of iron oxide nanoparticles for 2-arylbenzimidazole fabrication. <i>Journal of Saudi Chemical Society</i> , 2014, 18, 364-369.	2.4	145
57	Sacha inchi (<i>Plukenetia volubilis</i> L.) oil for one pot synthesis of silver nanocatalyst: An ecofriendly approach. <i>Industrial Crops and Products</i> , 2014, 58, 238-243.	2.5	53
58	Renewable zinc dioxide nanoparticles and coatings. <i>Materials Letters</i> , 2014, 116, 282-285.	1.3	9
59	Synthesis of silver nanoparticles using Sacha inchi (<i>Plukenetia volubilis</i> L.) leaf extracts. <i>Saudi Journal of Biological Sciences</i> , 2014, 21, 605-609.	1.8	105
60	One century of arsenic exposure in Latin America: A review of history and occurrence from 14 countries. <i>Science of the Total Environment</i> , 2012, 429, 2-35.	3.9	414
61	Arsenic in volcanic geothermal fluids of Latin America. <i>Science of the Total Environment</i> , 2012, 429, 57-75.	3.9	123
62	Hybrid ion exchanger supported nanocomposites: Sorption and sensing for environmental applications. <i>Chemical Engineering Journal</i> , 2011, 166, 923-931.	6.6	70
63	Arsenic in geothermal sources at the north-central Andean region of Ecuador: concentrations and mechanisms of mobility. <i>Environmental Earth Sciences</i> , 2010, 61, 299-310.	1.3	26
64	Preparation of Fe oxide nanoparticles for environmental applications: arsenic removal. <i>Environmental Geochemistry and Health</i> , 2010, 32, 291-296.	1.8	27
65	Arsenic Removal Using Polymer-Supported Hydrated Iron(III) Oxide Nanoparticles: A Role of Donnan Membrane Effect. <i>Environmental Science & Technology</i> , 2005, 39, 6508-6515.	4.6	508
66	Polymer supported inorganic nanoparticles: characterization and environmental applications. <i>Reactive and Functional Polymers</i> , 2003, 54, 167-180.	2.0	225
67	Single-step biogenic synthesis of silver nanoparticles using honeybee-collected pollen. <i>Inorganic and Nano-Metal Chemistry</i> , 0, , 1-7.	0.9	2