

Arpita Roy

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

1,992
citations

257450

24
h-index

289244

40
g-index

81
all docs

81
docs citations

81
times ranked

1058
citing authors

#	ARTICLE	IF	CITATIONS
1	Minor tropical fruits as a potential source of bioactive and functional foods. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 6491-6535.	10.3	21
2	Hydrogen-based sono-hybrid catalytic degradation and mitigation of industrially-originated dye-based pollutants. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 6597-6612.	7.1	31
3	Role of Medicinal Plants against Neurodegenerative Diseases. <i>Current Pharmaceutical Biotechnology</i> , 2022, 23, 123-139.	1.6	18
4	Plant-Mediated Synthesis and Characterization of Silver and Copper Oxide Nanoparticles: Antibacterial and Heavy Metal Removal Activity. <i>Journal of Cluster Science</i> , 2022, 33, 1697-1712.	3.3	21
5	Assessment of phytochemical and genetic diversity analysis of <i>Plumbago zeylanica</i> accessions. <i>Genetic Resources and Crop Evolution</i> , 2022, 69, 209-219.	1.6	5
6	Role of plant derived bioactive compounds against cancer. <i>South African Journal of Botany</i> , 2022, 149, 1017-1028.	2.5	17
7	Phytoremediation: An alternative approach for removal of dyes. , 2022, , 369-386.		17
8	Evaluation of bioactive compounds from <i>Boswellia serrata</i> against SARS-CoV-2. <i>Vegetos</i> , 2022, 35, 404-414.	1.5	11
9	Structure-Based In Silico Investigation of Agonists for Proteins Involved in Breast Cancer. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-12.	1.2	10
10	Biological agents for synthesis of nanoparticles and their applications. <i>Journal of King Saud University - Science</i> , 2022, 34, 101869.	3.5	143
11	Antibacterial and Dye Degradation Activity of Green Synthesized Iron Nanoparticles. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-6.	2.7	39
12	<i>Allium cepa</i> : A Treasure of Bioactive Phytochemicals with Prospective Health Benefits. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-27.	1.2	28
13	Sensing beyond Senses: An Overview of Outstanding Strides in Architecting Nanopolymer-Enabled Sensors for Biomedical Applications. <i>Polymers</i> , 2022, 14, 601.	4.5	4
14	Cytotoxicity, Removal of Congo Red Dye in Aqueous Solution Using Synthesized Amorphous Iron Oxide Nanoparticles from Incense Sticks Ash Waste. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-12.	2.7	26
15	Ultrasensitive and Selective Electrochemical Detection of Dopamine Based on CuO/PVA Nanocomposite-Modified GC Electrode. <i>International Journal of Photoenergy</i> , 2022, 2022, 1-9.	2.5	7
16	Exploring the Journey of Zinc Oxide Nanoparticles (ZnO-NPs) toward Biomedical Applications. <i>Materials</i> , 2022, 15, 2160.	2.9	122
17	Potential Benefits of Nutraceuticals for Oxidative Stress Management. <i>Revista Brasileira De Farmacognosia</i> , 2022, 32, 211-220.	1.4	11
18	Microplastics in marine and aquatic habitats: sources, impact, and sustainable remediation approaches. <i>Environmental Sustainability</i> , 2022, 5, 39-49.	2.8	12

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19	Solanum tuberosum Leaf Extract Templated Synthesis of Co ₃ O ₄ Nanoparticles for Electrochemical Sensor and Antibacterial Applications. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-15.	4.1	11
20	Nanomaterials: An alternative source for biodegradation of toxic dyes. <i>Food and Chemical Toxicology</i> , 2022, 164, 112996.	3.6	47
21	Nanomaterials and Bioactive Compounds against SARS-CoV-2. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-13.	2.7	3
22	Role of Cannabinoids in Various Diseases: A Review. <i>Current Pharmaceutical Biotechnology</i> , 2022, 23, 1346-1358.	1.6	6
23	Herd Immunity Against Coronavirus: A Review. <i>Recent Patents on Biotechnology</i> , 2022, 16, 256-265.	0.8	1
24	Evaluation of Antioxidant, Cytotoxic, Anti-Inflammatory, Antiarthritic, Thrombolytic, and Anthelmintic Activity of Methanol Extract of <i>Lepidagathis hyalina</i> Nees Root. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-10.	1.2	4
25	Factors Associated with the Prevalence of Hepatitis B among Volunteer Blood Donors at Jimma Blood Bank, South Ethiopia. <i>Canadian Journal of Gastroenterology and Hepatology</i> , 2022, 2022, 1-5.	1.9	2
26	Flavonoids a Bioactive Compound from Medicinal Plants and Its Therapeutic Applications. <i>BioMed Research International</i> , 2022, 2022, 1-9.	1.9	66
27	Role of Microbes and Nanomaterials in the Removal of Pesticides from Wastewater. <i>International Journal of Photoenergy</i> , 2022, 2022, 1-12.	2.5	20
28	Ethnobotanical Uses, Phytochemistry, Toxicology, and Pharmacological Properties of <i>Euphorbia neriifolia</i> Linn. against Infectious Diseases: A Comprehensive Review. <i>Molecules</i> , 2022, 27, 4374.	3.8	13
29	Venom-Derived Bioactive Compounds as Potential Anticancer Agents: A Review. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 129-147.	1.9	17
30	Bioremediation of heavy metals from wastewater using nanomaterials. <i>Environment, Development and Sustainability</i> , 2021, 23, 9617-9640.	5.0	46
31	Antimicrobial Peptides as Potential Therapeutic Agents: A Review. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 555-577.	1.9	49
32	Fungal Secondary Metabolites: Biological Activity and Potential Applications. <i>Fungal Biology</i> , 2021, , 159-188.	0.6	3
33	Understanding the holistic approach to plant-microbe remediation technologies for removing heavy metals and radionuclides from soil. <i>Current Research in Biotechnology</i> , 2021, 3, 84-98.	3.7	112
34	Remediation of heavy metals using nanophytoremediation. , 2021, , 273-296.		15
35	Fungal Communities for the Remediation of Environmental Pollutants. <i>Fungal Biology</i> , 2021, , 127-165.	0.6	2
36	In silico analysis of plumbagin against cyclin-dependent kinases receptor. <i>Vegetos</i> , 2021, 34, 50-56.	1.5	7

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37	Fungus and plant-mediated synthesis of metallic nanoparticles and their application in degradation of dyes. , 2021, , 287-308.		31
38	Structural Properties and Antimicrobial Activities of Polyalthia longifolia Leaf Extract-Mediated CuO Nanoparticles. BioNanoScience, 2021, 11, 579-589.	3.5	65
39	Plumbagin: A Potential Anti-cancer Compound. Mini-Reviews in Medicinal Chemistry, 2021, 21, 731-737.	2.4	34
40	Medicinal Plants against Ischemic Stroke. Current Pharmaceutical Biotechnology, 2021, 22, 1302-1314.	1.6	2
41	Role of Different Peptides for Cancer Immunotherapy. International Journal of Peptide Research and Therapeutics, 2021, 27, 2777-2793.	1.9	7
42	Biotechnological methods for the production of ginsenosides. South African Journal of Botany, 2021, 141, 25-36.	2.5	10
43	Biofertilizers for Agricultural Sustainability: Current Status and Future Challenges. Environmental and Microbial Biotechnology, 2021, , 525-553.	0.7	5
44	Plant Derived Silver Nanoparticles and their Therapeutic Applications. Current Pharmaceutical Biotechnology, 2021, 22, 1834-1847.	1.6	30
45	Applications of Nanomaterials in Agrifood and Pharmaceutical Industry. Journal of Nanomaterials, 2021, 2021, 1-10.	2.7	50
46	Efficient removal of heavy metals from artificial wastewater using biochar. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100602.	2.9	22
47	Bacosides: a pharmaceutically important compound. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2021, 91, 753-759.	1.0	0
48	A Review on the Nutritional Aspects of Wild Edible Plants. Current Traditional Medicine, 2021, 7, 552-563.	0.4	3
49	Nanomaterials for Remediation of Environmental Pollutants. Bioinorganic Chemistry and Applications, 2021, 2021, 1-16.	4.1	60
50	Graphene: A Multifunctional Nanomaterial with Versatile Applications. Advances in Materials Science and Engineering, 2021, 2021, 1-8.	1.8	17
51	Biological Synthesis of Nanocatalysts and Their Applications. Catalysts, 2021, 11, 1494.	3.5	54
52	Media optimization using Box Behnken design for enhanced production of biomass, beta-carotene and lipid from Dunaliella salina. Vegetos, 2020, 33, 31-39.	1.5	6
53	Degradation of dyes using biologically synthesized silver and copper nanoparticles. Environmental Nanotechnology, Monitoring and Management, 2020, 13, 100278.	2.9	85
54	Current Prospects of Nutraceuticals: A Review. Current Pharmaceutical Biotechnology, 2020, 21, 884-896.	1.6	122

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55	Molecular docking analysis of selected phytochemicals against SARS-CoV-2 Mpro receptor. <i>Vegetos</i> , 2020, 33, 766-781.	1.5	36
56	In silico analysis of selected alkaloids against main protease (Mpro) of SARS-CoV-2. <i>Chemico-Biological Interactions</i> , 2020, 332, 109309.	4.0	44
57	Removal of toxic pollutants using microbial fuel cells. , 2020, , 153-177.		3
58	A Current Perspective of Plants as an Antibacterial Agent: A Review. <i>Current Pharmaceutical Biotechnology</i> , 2020, 21, 1588-1602.	1.6	9
59	Hairy Root Culture an Alternative for Bioactive Compound Production from Medicinal Plants. <i>Current Pharmaceutical Biotechnology</i> , 2020, 22, 136-149.	1.6	19
60	Assessment of bacoside production, total phenol content and antioxidant potential of elicited and non-elicited shoot cultures of <i>Bacopa monnieri</i> (L.). <i>Environmental Sustainability</i> , 2019, 2, 441-453.	2.8	9
61	Establishment of root suspension culture of <i>Plumbago zeylanica</i> and enhanced production of plumbagin. <i>Industrial Crops and Products</i> , 2019, 137, 419-427.	5.2	27
62	Silver nanoparticle synthesis from <i>Plumbago zeylanica</i> and its dye degradation activity. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2019, 8, 130-140.	0.9	69
63	A Review on the Biosurfactants: Properties, Types and its Applications. <i>Journal of Fundamentals of Renewable Energy and Applications</i> , 2018, 08, .	0.2	35
64	Fatty Acid Methyl Ester Profile Analysis of In-Vitro Grown Accessions of <i>Plumbago zeylanica</i> . <i>Natural Products Chemistry & Research</i> , 2018, 06, .	0.2	6
65	Effect of various culture conditions on shoot multiplication and GC-MS analysis of <i>Plumbago zeylanica</i> accessions for plumbagin production. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	13
66	Medicinal Plants as a Potential Source of Chemopreventive Agents. , 2018, , 109-139.		20
67	Role of medicinal plants against Alzheimer's disease. <i>International Journal of Complementary & Alternative Medicine</i> , 2018, 11, .	0.1	28
68	Biotechnological Approaches for the Production of Pharmaceutically Important Compound: Plumbagin. <i>Current Pharmaceutical Biotechnology</i> , 2018, 19, 372-381.	1.6	32
69	Medicinal Plants in the Management of Cancer: A Review. <i>International Journal of Complementary & Alternative Medicine</i> , 2017, 9, .	0.1	11
70	Silver Nanoparticles Synthesis from a Pharmaceutically Important Medicinal Plant <i>Plumbago Zeylanica</i> . <i>MOJ Bioequivalence & Bioavailability</i> , 2017, 3, .	0.1	8
71	<i>Centella Asiatica</i> : A Pharmaceutically Important Medicinal Plant. <i>Current Trends in Biomedical Engineering & Biosciences</i> , 2017, 5, .	0.2	3
72	Effect of Various Culture Parameters on the Bio-surfactant Production from Bacterial Isolates. <i>Journal of Petroleum & Environmental Biotechnology</i> , 2017, 08, .	0.3	3

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73	Estimation of Asiaticoside by Using RP-HPLC and FAME Analysis of Medicinally Important Plant <i>Centella asiatica</i> . <i>Journal of Plant Biochemistry & Physiology</i> , 2017, 05, .	0.5	5
74	Establishment of the Shoot and Callus Culture of an Important Medicinal Plant <i>Plumbago zeylanica</i> . <i>Advances in Plants & Agriculture Research</i> , 2017, 7, .	0.3	3
75	Effect of Different Carbon Sources and Elicitors on Shoot Multiplication in Accessions of <i>Centella asiatica</i> . , 2016, 05, .		16
76	Effect of different media and growth hormones on shoot multiplication of in vitro grown <i>Centella asiatica</i> accessions. <i>Advanced Techniques in Biology & Medicine</i> , 2015, 04, .	0.1	7
77	Centellosides: pharmaceutical applications and production enhancement strategies. <i>Plant Cell, Tissue and Organ Culture</i> , 0, , 1.	2.3	2
78	Effect Of Different Culture Medias On Shoot Multiplication And Stigmasterol Content In Accessions Of <i>Centella Asiatica</i> . <i>International Journal of Ayurvedic and Herbal Medicine</i> , 0, , .	0.0	6
79	Biobutanol preparation through sugar-rich biomass by <i>Clostridium saccharoperbutylacetonicum</i> conversion using ZnO nanoparticle catalyst. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	7