

S Vijayakumar

List of Publications by Year in descending order

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75
papers

1,991
citations

318942

23
h-index

299063

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docs citations

75
times ranked

2687
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioengineered ZnO nanoparticles as a nano priming agent in <i>Cyamopsis tetragonoloba</i> (L.) Taub. to improve yield and disease resistance. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 5993-6001.	1.6	7
2	Phytonanosynthesis of MgO Nanoparticles: Green Synthesis, Characterization and Antimicrobial Evaluation. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 6729-6734.	1.7	17
3	Eco synthesized silver nanoparticles as a next generation of nanoproduct in multidisciplinary applications. <i>Environmental Chemistry and Ecotoxicology</i> , 2022, 4, 13-19.	4.6	11
4	Anti-viral effectuality of plant polyphenols against mutated dengue protein NS2B47-NS3: A computational exploration. <i>Gene Reports</i> , 2022, 27, 101546.	0.4	6
5	Anti-dengue Potential of Mangiferin: Intricate Network of Dengue to Human Genes. <i>Revista Brasileira De Farmacognosia</i> , 2022, 32, 410-420.	0.6	7
6	<i>In Vitro</i> and <i>In Silico</i> Strategies for the Assessment of Fungicidal Compounds from the Bark of <i>Bauhinia racemosa</i> Against Dermatitis: Clinical Isolates. , 2022, 1, 76-85.		3
7	Uncovering of Anti-dengue Molecules from Plants Prescribed for Dengue: A Computational Investigation. <i>Chemistry Africa</i> , 2022, 5, 1321-1336.	1.2	3
8	An ethnobotanical study of medicinal plants used in pachamalai hills of Tamil Nadu, India. <i>Journal of Herbal Medicine</i> , 2021, 25, 100400.	1.0	11
9	Green fabricated MgO nanoparticles as antimicrobial agent: Characterization and evaluation. <i>Materials Today: Proceedings</i> , 2021, 45, 5579-5583.	0.9	16
10	Microbial mediated synthesis of ZnO nanoparticles derived from <i>Lactobacillus</i> spp: Characterizations, antimicrobial and biocompatibility efficiencies. <i>Sensors International</i> , 2021, 2, 100104.	4.9	35
11	Synthesis of MgO nanoparticles through green method and evaluation of its antimicrobial activities. <i>Vegetos</i> , 2021, 34, 719-724.	0.8	4
12	Potential eco-friendly Zinc Oxide nanomaterials through Phyco-nanotechnology –A review. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 35, 102050.	1.5	5
13	Biogenesis of ZnO nanoparticles for revolutionizing agriculture: A step towards anti -infection and growth promotion in plants. <i>Industrial Crops and Products</i> , 2021, 170, 113762.	2.5	31
14	Molecular docking and network pharmacology-based approaches to explore the potential of terpenoids for <i>Mycobacterium tuberculosis</i> . <i>Pharmacological Research Modern Chinese Medicine</i> , 2021, 1, 100002.	0.5	10
15	In vitro and in silico protocols for the assessment of microbicidal compounds from <i>Plumbago zeylanica</i> L. <i>Gene Reports</i> , 2021, 25, 101393.	0.4	1
16	<i>Acalypha fruticosa</i> L. leaf extract mediated synthesis of ZnO nanoparticles: Characterization and antimicrobial activities. <i>Materials Today: Proceedings</i> , 2020, 23, 73-80.	0.9	30
17	A review of the taxonomy, ethno-botany and pharmacological activity of <i>Atalantia monophylla</i> L. <i>Acta Ecologica Sinica</i> , 2020, 40, 204-209.	0.9	0
18	Evaluating new strategies for anticancer molecules from ethnic medicinal plants through in silico and biological approach - A review. <i>Gene Reports</i> , 2020, 18, 100553.	0.4	8

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19	Capparis zeylanica mediated bio-synthesized ZnO nanoparticles as antimicrobial, photocatalytic and anti-cancer applications. <i>Materials Science for Energy Technologies</i> , 2020, 3, 335-343.	1.0	42
20	Protection of neuronal cell lines, antimicrobial and photocatalytic behaviours of eco-friendly TiO ₂ nanoparticles. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104343.	3.3	10
21	Functional finishing of health care cotton for enhanced efficiency of antibacterial activity by chitosan and herbal nanocomposites. <i>Acta Ecologica Sinica</i> , 2020, 40, 473-477.	0.9	2
22	Eco friendly synthesis of TiO ₂ nanoparticles using aqueous <i>Ocimum americanum</i> L. leaf extracts and their antimicrobial, anti-proliferative and photocatalytic activities. <i>Vegetos</i> , 2020, 33, 805-810.	0.8	7
23	Bio-synthesized zinc oxide nanoparticles for anti-tuberculosis agent: Scientifically unexplored. <i>Gene Reports</i> , 2020, 20, 100764.	0.4	10
24	Heneicosane—A novel microbicidal bioactive alkane identified from <i>Plumbago zeylanica</i> L. <i>Industrial Crops and Products</i> , 2020, 154, 112748.	2.5	55
25	Biological synthesis and characterization of silver nanoparticles with <i>Capparis zeylanica</i> L. leaf extract for potent antimicrobial and anti proliferation efficiency. <i>Materials Science for Energy Technologies</i> , 2020, 3, 371-376.	1.0	40
26	Evaluation of antioxidant and neuroprotective activities of <i>Lyngbya majuscula</i> on human neural tissues. <i>Gene Reports</i> , 2020, 19, 100661.	0.4	5
27	Green way biosynthesis: Characterization, antimicrobial and anticancer activity of ZnO nanoparticles. <i>Gene Reports</i> , 2020, 20, 100688.	0.4	31
28	In silico studies on CNR1 receptor and effective cyanobacterial drugs: Homology modelling, molecular docking and molecular dynamic simulations. <i>Gene Reports</i> , 2019, 17, 100505.	0.4	2
29	Extraction methods and computational approaches for evaluation of antimicrobial compounds from <i>Capparis zeylanica</i> L. <i>Analytical Biochemistry</i> , 2019, 572, 33-44.	1.1	11
30	Neuroprotective behaviour of <i>Phyllanthus emblica</i> (L) on human neural cell lineage (PC12) against glutamate-induced cytotoxicity. <i>Gene Reports</i> , 2019, 17, 100545.	0.4	7
31	Molecular modeling studies of repandusinic acid as potent small molecule for hepatitis B virus through molecular docking and ADME analysis. <i>Quantitative Biology</i> , 2019, 7, 302-312.	0.3	5
32	A pharmacoinformatic approach on Cannabinoid receptor 2 (CB2) and different small molecules: Homology modelling, molecular docking, MD simulations, drug designing and ADME analysis. <i>Computational Biology and Chemistry</i> , 2019, 78, 95-107.	1.1	20
33	Effect of seaweed liquid fertilizer on yield and quality of <i>Capsicum annum</i> L.. <i>Acta Ecologica Sinica</i> , 2019, 39, 406-410.	0.9	20
34	Screening the antimicrobial potential of twelve medicinal plants against venereal diseases causing pathogens. <i>Acta Ecologica Sinica</i> , 2019, 39, 356-361.	0.9	2
35	Ethnobotanical survey of medicinal plants in Thanjavur and its surrounding (Tamil Nadu - India). <i>Acta Ecologica Sinica</i> , 2019, 39, 380-397.	0.9	10
36	Phytochemical Analysis and Antimicrobial Activities of <i>Atalantia monophylla</i> (L) Correa and <i>Atalantia racemosa</i> Wight and Arn. <i>Current Bioactive Compounds</i> , 2019, 15, 427-436.	0.2	1

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37	Green synthesis of zinc oxide nanoparticles using <i>Atalantia monophylla</i> leaf extracts: Characterization and antimicrobial analysis. <i>Materials Science in Semiconductor Processing</i> , 2018, 82, 39-45.	1.9	153
38	Biosynthesis, characterization and antimicrobial activities of zinc oxide nanoparticles from leaf extract of <i>Glycosmis pentaphylla</i> (Retz.) DC. <i>Microbial Pathogenesis</i> , 2018, 116, 44-48.	1.3	97
39	Traditional plants used for the treatment of gynaecological disorders in Vedaranyam taluk, South India - An ethnomedicinal survey. <i>Journal of Traditional and Complementary Medicine</i> , 2018, 8, 308-323.	1.5	30
40	Novel ligand-based docking; molecular dynamic simulations; and absorption, distribution, metabolism, and excretion approach to analyzing potential acetylcholinesterase inhibitors for Alzheimer's disease. <i>Journal of Pharmaceutical Analysis</i> , 2018, 8, 413-420.	2.4	46
41	Anti-diabetic activity of quercetin extracted from <i>Phyllanthus emblica</i> L. fruit: In silico and in vivo approaches. <i>Journal of Pharmaceutical Analysis</i> , 2018, 8, 109-118.	2.4	101
42	Screening and identification of novel inhibitors against human 4-aminobutyrate-aminotransferase: A computational approach. <i>Egyptian Journal of Basic and Applied Sciences</i> , 2018, 5, 210-219.	0.2	8
43	Identification and isolation of antimicrobial compounds from the flower extract of <i>Hibiscus rosa-sinensis</i> L: In silico and in vitro approaches. <i>Microbial Pathogenesis</i> , 2018, 123, 527-535.	1.3	12
44	Phytochemical analysis and antimicrobial activity of some medicinal plants against selected pathogenic microorganisms. <i>Microbial Pathogenesis</i> , 2018, 123, 219-226.	1.3	45
45	Homology modeling and molecular docking studies on Type II diabetes complications reduced PPAR β receptor with various ligand molecules. <i>Biomedicine and Pharmacotherapy</i> , 2017, 92, 528-535.	2.5	30
46	Green synthesis of silver nano particles from <i>Atalantia monophylla</i> (L) Correa leaf extract, their antimicrobial activity and sensing capability of H ₂ O ₂ . <i>Microbial Pathogenesis</i> , 2017, 113, 445-450.	1.3	44
47	Review on potential phytochemicals in drug development for Parkinson disease: A pharmacoinformatic approach. <i>Informatics in Medicine Unlocked</i> , 2016, 5, 15-25.	1.9	17
48	Quantitative Ethnobotanical Survey of Traditional Siddha Medical Practitioners from Thiruvarur District with Hepatoprotective Potentials through In Silico Methods. <i>Achievements in the Life Sciences</i> , 2016, 10, 11-26.	1.3	11
49	Potential therapeutic targets and the role of technology in developing novel cannabinoid drugs from cyanobacteria. <i>Biomedicine and Pharmacotherapy</i> , 2016, 83, 362-371.	2.5	15
50	Zr + F codoping-induced variations in antibacterial and magnetic behaviours of ZnO nanopowders. <i>Materials Research Innovations</i> , 2016, 20, 26-31.	1.0	1
51	Quantitative traditional knowledge of medicinal plants used to treat livestock diseases from Kudavasal taluk of Thiruvarur district, Tamil Nadu, India. <i>Revista Brasileira De Farmacognosia</i> , 2016, 26, 109-121.	0.6	50
52	Antimicrobial and antiproliferative prospective of kosinostatin " a secondary metabolite isolated from <i>Streptomyces</i> sp.. <i>Journal of Pharmaceutical Analysis</i> , 2015, 5, 378-382.	2.4	10
53	Ethnozoological study of animals used by traditional healers in Silent Valley of Kerala, India. <i>Journal of Ethnopharmacology</i> , 2015, 162, 296-305.	2.0	28
54	Analysis of E and NS proteins of dengue serotypes and identification of active binding sites for drug molecule. <i>Asian Pacific Journal of Tropical Disease</i> , 2015, 5, S33-S41.	0.5	1

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55	Antigenicity of envelop and non-structural proteins of dengue serotypes and their potentiality to elicit specific antibody. <i>Asian Pacific Journal of Tropical Disease</i> , 2015, 5, S47-S50.	0.5	0
56	A quantitative ethnozoological study of traditionally used animals in Pachamalai hills of Tamil Nadu, India. <i>Journal of Ethnopharmacology</i> , 2015, 171, 51-63.	2.0	21
57	Simultaneous Enhancement of Transparent and Antibacterial Properties of ZnO Films by Suitable F Doping. <i>Journal of Materials Science and Technology</i> , 2015, 31, 759-765.	5.6	55
58	Pharmaceutical applications of cyanobacteria—A review. <i>Journal of Acute Medicine</i> , 2015, 5, 15-23.	0.2	150
59	Quantitative ethnomedicinal study of plants used in the Nelliampathy hills of Kerala, India. <i>Journal of Ethnopharmacology</i> , 2015, 161, 238-254.	2.0	61
60	In vitro Cytotoxicity and Antimicrobial Activity of Biosurfactant Produced by <i>Pseudomonas aeruginosa</i> Strain PB3A. <i>Asian Journal of Scientific Research</i> , 2015, 8, 510-518.	0.3	8
61	Biosurfactants-Types, Sources and Applications. <i>Research Journal of Microbiology</i> , 2015, 10, 181-192.	0.2	245
62	Prediction of new cyanobacterial drug for treating lung cancer. <i>Biomedicine and Aging Pathology</i> , 2014, 4, 49-52.	0.8	5
63	Antidiabetic, hypolipidemic and histopathological analysis of <i>Gymnema sylvestre</i> (R. Br) leaves extract on streptozotocin induced diabetic rats. <i>Biomedicine and Preventive Nutrition</i> , 2014, 4, 425-430.	0.9	7
64	Identification of novel cyanobacterial compounds for oral disease through in vitro and insilico approach. <i>Biomedicine and Aging Pathology</i> , 2014, 4, 223-228.	0.8	3
65	Insilico prediction of anticancer cyanobacterial drug from <i>Nostoc</i> . <i>Biomedicine and Preventive Nutrition</i> , 2014, 4, 71-73.	0.9	1
66	Application of chitosan and herbal nanocomposites to develop antibacterial medical textile. <i>Biomedicine and Aging Pathology</i> , 2014, 4, 59-64.	0.8	35
67	Homology and conservation of amino acids in E-protein sequences of dengue serotypes. <i>Asian Pacific Journal of Tropical Disease</i> , 2014, 4, S573-S577.	0.5	10
68	Documentation and quantitative analysis of the local knowledge on medicinal plants in Kalrayan hills of Villupuram district, Tamil Nadu, India. <i>Journal of Ethnopharmacology</i> , 2014, 157, 7-20.	2.0	52
69	In vitro cytotoxicity perspective of diazepinomicin (ECO-4601) on human hepatoma cell line (HEPG2). <i>Biomedicine and Aging Pathology</i> , 2014, 4, 65-70.	0.8	9
70	An ethnobotanical study of medicinal plants used by traditional healers in silent valley of Kerala, India. <i>Journal of Ethnopharmacology</i> , 2014, 154, 774-789.	2.0	126
71	Bioactivity of sea grass against the malarial fever mosquito <i>Culex quinquefasciatus</i> . <i>Asian Pacific Journal of Tropical Disease</i> , 2014, 4, 287-291.	0.5	7
72	Tasiamide-B a new cyanobacterial compound for treating skin cancer. <i>Biomedicine and Preventive Nutrition</i> , 2014, 4, 355-358.	0.9	1

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73	Cryptophycin F " A potential cyanobacterial drug for breast cancer. Biomedicine and Aging Pathology, 2014, 4, 229-234.	0.8	4
74	Exploring novel natural compound inhibitors for Parkinsonian receptor (DJ1) by homology modeling, molecular docking and MD simulations. Vegetos, 0, , 1.	0.8	1
75	Fabricated TiO2 Nanofertilizers for Foliar Assimilation to Enhance Yield and Disease Resistance in Capsicum annum L. Journal of Plant Growth Regulation, 0, , 1.	2.8	6