

Chandrashekar D Patil

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

2,330
citations

201674

27
h-index

223800

46
g-index

77
all docs

77
docs citations

77
times ranked

2632
citing authors

#	ARTICLE	IF	CITATIONS
1	Larvicidal potential of silver nanoparticles synthesized using fungus <i>Cochliobolus lunatus</i> against <i>Aedes aegypti</i> (Linnaeus, 1762) and <i>Anopheles stephensi</i> Liston (Diptera; Culicidae). <i>Parasitology Research</i> , 2011, 109, 823-831.	1.6	174
2	Plant Extract: A Promising Biomatrix for Ecofriendly, Controlled Synthesis of Silver Nanoparticles. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 1-29.	2.9	170
3	Larvicidal activity of silver nanoparticles synthesized using <i>Plumeria rubra</i> plant latex against <i>Aedes aegypti</i> and <i>Anopheles stephensi</i> . <i>Parasitology Research</i> , 2012, 110, 1815-1822.	1.6	159
4	Larvicidal activity of silver nanoparticles synthesized using <i>Pergularia daemia</i> plant latex against <i>Aedes aegypti</i> and <i>Anopheles stephensi</i> and nontarget fish <i>Poecilia reticulata</i> . <i>Parasitology Research</i> , 2012, 111, 555-562.	1.6	127
5	Biosynthesis of Silver Nanoparticles Using Latex from Few Euphorbian Plants and Their Antimicrobial Potential. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 776-790.	2.9	116
6	Prodigiosin produced by <i>Serratia marcescens</i> NMCC46 as a mosquito larvicidal agent against <i>Aedes aegypti</i> and <i>Anopheles stephensi</i> . <i>Parasitology Research</i> , 2011, 109, 1179-1187.	1.6	87
7	Antimicrobial activity of prodigiosin is attributable to plasma-membrane damage. <i>Natural Product Research</i> , 2017, 31, 572-577.	1.8	73
8	Studies on Characterization of Biofloculant Exopolysaccharide of <i>Azotobacter indicus</i> and Its Potential for Wastewater Treatment. <i>Applied Biochemistry and Biotechnology</i> , 2011, 163, 463-472.	2.9	72
9	Studies on Production and Biological Potential of Prodigiosin by <i>Serratia marcescens</i> . <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 1209-1221.	2.9	72
10	Towards an understanding of bacterial metabolites prodigiosin and <i>Â</i> violacein and their potential for use in commercial sunscreens. <i>International Journal of Cosmetic Science</i> , 2015, 37, 98-107.	2.6	71
11	In vitro antiparasitic activity of microbial pigments and their combination with phytosynthesized metal nanoparticles. <i>Parasitology International</i> , 2015, 64, 353-356.	1.3	69
12	Trypsin inactivation by latex fabricated gold nanoparticles: A new strategy towards insect control. <i>Enzyme and Microbial Technology</i> , 2016, 92, 18-25.	3.2	62
13	Environmental and socioeconomic effects of mosquito control in Europe using the biocide <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> (Bti). <i>Science of the Total Environment</i> , 2020, 724, 137800.	8.0	62
14	Dysregulation of Cell Signaling by SARS-CoV-2. <i>Trends in Microbiology</i> , 2021, 29, 224-237.	7.7	62
15	Bioefficacy of <i>Plumbago zeylanica</i> (Plumbaginaceae) and <i>Cestrum nocturnum</i> (Solanaceae) plant extracts against <i>Aedes aegypti</i> (Diptera: Culicidae) and nontarget fish <i>Poecilia reticulata</i> . <i>Parasitology Research</i> , 2011, 108, 1253-1263.	1.6	61
16	Studies on Silver Accumulation and Nanoparticle Synthesis By <i>Cochliobolus lunatus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2011, 165, 221-234.	2.9	61
17	Nematicidal activity of microbial pigment from <i>Serratia marcescens</i> . <i>Natural Product Research</i> , 2014, 28, 1399-1404.	1.8	55
18	Mosquito larvicidal and pupaecidal potential of prodigiosin from <i>Serratia marcescens</i> and understanding its mechanism of action. <i>Pesticide Biochemistry and Physiology</i> , 2015, 123, 49-55.	3.6	49

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19	Alteration in <i>Bacillus thuringiensis</i> toxicity by curing gut flora: novel approach for mosquito resistance management. <i>Parasitology Research</i> , 2013, 112, 3283-3288.	1.6	39
20	Phyto-Synthesized Silver Nanoparticles: A Potent Mosquito Biolarvicidal Agent. <i>Journal of Nanomedicine & Biotherapeutic Discovery</i> , 2013, 03, .	0.6	37
21	Biofloculant Exopolysaccharide Production by <i>Azotobacter indicus</i> Using Flower Extract of <i>Madhuca latifolia</i> L. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 1095-1108.	2.9	36
22	Mechanistic approach for fabrication of gold nanoparticles by <i>Nitzschia</i> diatom and their antibacterial activity. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 1437-1446.	3.4	35
23	Amoebicidal activity of phytosynthesized silver nanoparticles and their <i>in vitro</i> cytotoxicity to human cells. <i>FEMS Microbiology Letters</i> , 2013, 345, 127-131.	1.8	34
24	OPTN is a host intrinsic restriction factor against neuroinvasive HSV-1 infection. <i>Nature Communications</i> , 2021, 12, 5401.	12.8	33
25	Insecticidal potency of bacterial species <i>Bacillus thuringiensis</i> SV2 and <i>Serratia nematodiphila</i> SV6 against larvae of mosquito species <i>Aedes aegypti</i> , <i>Anopheles stephensi</i> , and <i>Culex quinquefasciatus</i> . <i>Parasitology Research</i> , 2012, 110, 1841-1847.	1.6	31
26	Phytolates synthesized gold nanoparticles as novel agent to enhance sun protection factor of commercial sunscreens. <i>International Journal of Cosmetic Science</i> , 2014, 36, 571-578.	2.6	31
27	Bio-Functionalized Silver Nanoparticles: a Novel Colorimetric Probe for Cysteine Detection. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 3479-3493.	2.9	29
28	Bacterial microbiota of <i>Aedes aegypti</i> mosquito larvae is altered by intoxication with <i>Bacillus thuringiensis israelensis</i> . <i>Parasites and Vectors</i> , 2018, 11, 121.	2.5	29
29	<i>Ficus carica</i> Latex-Mediated Synthesis of Silver Nanoparticles and Its Application as a Chemoprotective Agent. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 676-688.	2.9	28
30	Biofunctionalized silver nanoparticles as a novel colorimetric probe for melamine detection in raw milk. <i>Biotechnology and Applied Biochemistry</i> , 2015, 62, 652-662.	3.1	25
31	Potential of extracts of the tropical plant <i>Balanites aegyptiaca</i> (L) Del. (Balanitaceae) to control the mealy bug, <i>Maconellicoccus hirsutus</i> (Homoptera: Pseudococcidae). <i>Crop Protection</i> , 2010, 29, 1293-1296.	2.1	22
32	Transformation of aromatic dyes using green synthesized silver nanoparticles. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 1695-1705.	3.4	22
33	Bacterial Pigment Prodigiosin Demonstrates a Unique Antiherpesvirus Activity That Is Mediated through Inhibition of Prosurvival Signal Transducers. <i>Journal of Virology</i> , 2020, 94, .	3.4	20
34	Innovative approach for urease inhibition by <i>Ficus carica</i> extract-fabricated silver nanoparticles: An <i>in vitro</i> study. <i>Biotechnology and Applied Biochemistry</i> , 2015, 62, 780-784.	3.1	19
35	Environmental Metabolic Footprinting: A novel application to study the impact of a natural and a synthetic β -triketone herbicide in soil. <i>Science of the Total Environment</i> , 2016, 566-567, 552-558.	8.0	19
36	Mercury sensing and toxicity studies of novel latex fabricated silver nanoparticles. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 2223-2233.	3.4	18

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37	Fluconazole treatment enhances extracellular release of red pigments in the fungus <i>Monascus purpureus</i> . <i>FEMS Microbiology Letters</i> , 2017, 364, .	1.8	15
38	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	3.0	15
39	Disruption of innate defense responses by endoglycosidase HPSE promotes cell survival. <i>JCI Insight</i> , 2021, 6, .	5.0	14
40	Evaluation of Different Culture Media for Improvement in Bioinsecticides Production by Indigenous <i>Bacillus thuringiensis</i> and Their Application against Larvae of <i>Aedes aegypti</i> . <i>Scientific World Journal</i> , The, 2014, 2014, 1-6.	2.1	13
41	Studies on Amendment of Different Biopolymers in Sandy Loam and Their Effect on Germination, Seedling Growth of <i>Gossypium herbaceum</i> L.. <i>Applied Biochemistry and Biotechnology</i> , 2011, 163, 780-791.	2.9	12
42	Catalytic and synergistic antibacterial potential of green synthesized silver nanoparticles: Their ecotoxicological evaluation on <i>Poecillia reticulata</i> . <i>Biotechnology and Applied Biochemistry</i> , 2014, 61, 385-394.	3.1	12
43	Improved method for effective screening of ACC (1-aminocyclopropane-1-carboxylate) deaminase producing microorganisms. <i>Journal of Microbiological Methods</i> , 2016, 131, 102-104.	1.6	12
44	Screening of Rubiaceae and Apocynaceae extracts for mosquito larvicidal potential. <i>Natural Product Research</i> , 2015, 29, 353-358.	1.8	11
45	OPTN (optineurin)-mediated selective autophagy prevents neurodegeneration due to herpesvirus infection. <i>Autophagy</i> , 2022, 18, 944-945.	9.1	9
46	Effect of wax degrading bacteria on life cycle of the pink hibiscus mealybug, <i>Maconellicoccus hirsutus</i> (Green) (Hemiptera: Pseudococcidae). <i>BioControl</i> , 2013, 58, 535-542.	2.0	8
47	Protease, Growth Factor, and Heparanase-Mediated Syndecan-1 Shedding Leads to Enhanced HSV-1 Egress. <i>Viruses</i> , 2021, 13, 1748.	3.3	8
48	Studies on life cycle of mealybug, <i>Maconellicoccus hirsutus</i> (Green) (Hemiptera: Pseudococcidae), on different hosts at different constant temperatures. <i>Crop Protection</i> , 2011, 30, 1553-1556.	2.1	7
49	Electrospray ionization and heterogeneous matrix effects in liquid chromatography/mass spectrometry based metabolomics: A biomarker or a suppressed ion?. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8977.	1.5	7
50	Dissociation of DNA damage sensing by endoglycosidase HPSE. <i>IScience</i> , 2021, 24, 102242.	4.1	7
51	Entry receptor bias in evolutionarily distant HSV-1 clinical strains drives divergent ocular and nervous system pathologies. <i>Ocular Surface</i> , 2021, 21, 238-249.	4.4	7
52	Production of the bioinsecticide <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> with deltamethrin increases toxicity towards mosquito larvae. <i>Letters in Applied Microbiology</i> , 2013, 57, 151-156.	2.2	5
53	Inhibition of restriction endonucleases by biofunctionalized silver nanoparticles: An in vitro study. <i>Materials Letters</i> , 2014, 134, 24-26.	2.6	5
54	Synergistic effect of certain insecticides combined with <i>Bacillus thuringiensis</i> on mosquito larvae. <i>Journal of Entomological and Acarological Research</i> , 2017, 49, .	0.7	5

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55	Phytosynthesized Gold Nanoparticles-Bacillus thuringiensis (Bt) GNP Formulation: A Novel Photo Stable Preparation Against Mosquito Larvae. <i>Journal of Cluster Science</i> , 2018, 29, 577-583.	3.3	5
56	Heparan Sulfate Binding Cationic Peptides Restrict SARS-CoV-2 Entry. <i>Pathogens</i> , 2021, 10, 803.	2.8	5
57	Nanoengineered Antiviral Fibrous Arrays with Rose-Thorn-Inspired Architectures. , 2021, 3, 1566-1571.		5
58	Intrinsic Antiviral Activity of Optineurin Prevents Hyperproliferation of a Primary Herpes Simplex Virus Type 2 Infection. <i>Journal of Immunology</i> , 2022, 208, 63-73.	0.8	5
59	Effect of Different Carbon Sources on Morphology and Silver Accumulation in <i>Cochliobolus lunatus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 1409-1423.	2.9	4
60	Fabrication of Paper Sensor for Rapid Screening of Nanomaterial Synthesizing Potential of Plants. <i>Journal of Cluster Science</i> , 2018, 29, 737-742.	3.3	4
61	<i>Azotobacter</i> . , 2020, , 397-426.		4
62	Heparanase-Induced Activation of AKT Stabilizes β -Catenin and Modulates Wnt/ β -Catenin Signaling during Herpes Simplex Virus 1 Infection. <i>MBio</i> , 2021, 12, e0279221.	4.1	4
63	Use of protease inhibitory gold nanoparticles as a compatibility enhancer for Bt and deltamethrin: A novel approach for pest control. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016, 8, 8-12.	3.1	3
64	<i>Agrobacterium tumefaciens</i> -Mediated Genetic Transformation of the Ect-endomycorrhizal Fungus <i>Terfezia boudieri</i> . <i>Genes</i> , 2020, 11, 1293.	2.4	3
65	mTORC2 confers neuroprotection and potentiates immunity during virus infection. <i>Nature Communications</i> , 2021, 12, 6020.	12.8	3
66	Maintenance of residual activity of Bt toxin by using natural and synthetic dyes: a novel approach for sustainable mosquito vector control. <i>Natural Product Research</i> , 2015, 29, 2350-2354.	1.8	1
67	Mosquito Larvicidal Potential of <i>Gossypium hirsutum</i> (Bt cotton) Leaves Extracts against <i>Aedes aegypti</i> and <i>Anopheles stephensi</i> larvae. <i>Journal of Arthropod-Borne Diseases</i> , 2014, 8, 91-101.	0.9	1
68	Isolation and Screening of : Modern Bioinputs for. <i>Springer Protocols</i> , 2022, , 237-242.	0.3	0
69	Recent advancements and nanotechnological interventions in diagnosis, treatment, and vaccination for COVID-19. , 2022, , 279-303.		0