Chandrashekhar D Patil

List of Publications by Year
in descending order

69	2,330	201674	223800
papers	citations	27 h-index	46 g-index

77	77	77	2632
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Isolation and Screening of : Modern Bioinputs for. Springer Protocols, 2022, , 237-242.	0.3	0
2	Intrinsic Antiviral Activity of Optineurin Prevents Hyperproliferation of a Primary Herpes Simplex Virus Type 2 Infection. Journal of Immunology, 2022, 208, 63-73.	0.8	5
3	OPTN (optineurin)-mediated selective autophagy prevents neurodegeneration due to herpesvirus infection. Autophagy, 2022, 18, 944-945.	9.1	9
4	Recent advancements and nanotechnological interventions in diagnosis, treatment, and vaccination for COVID-19. , 2022, , 279-303.		0
5	Electrospray ionization and heterogeneous matrix effects in liquid chromatography/mass spectrometry based metaâ€metabolomics: A biomarker or a suppressed ion?. Rapid Communications in Mass Spectrometry, 2021, 35, e8977.	1.5	7
6	Dysregulation of Cell Signaling by SARS-CoV-2. Trends in Microbiology, 2021, 29, 224-237.	7.7	62
7	Dissociation of DNA damage sensing by endoglycosidase HPSE. IScience, 2021, 24, 102242.	4.1	7
8	Disruption of innate defense responses by endoglycosidase HPSE promotes cell survival. JCI Insight, 2021, 6, .	5.0	14
9	Heparan Sulfate Binding Cationic Peptides Restrict SARS-CoV-2 Entry. Pathogens, 2021, 10, 803.	2.8	5
10	Entry receptor bias in evolutionarily distant HSV-1 clinical strains drives divergent ocular and nervous system pathologies. Ocular Surface, 2021, 21, 238-249.	4.4	7
11	OPTN is a host intrinsic restriction factor against neuroinvasive HSV-1 infection. Nature Communications, 2021, 12, 5401.	12.8	33
12	Protease, Growth Factor, and Heparanase-Mediated Syndecan-1 Shedding Leads to Enhanced HSV-1 Egress. Viruses, 2021, 13, 1748.	3.3	8
13	Nanoengineered Antiviral Fibrous Arrays with Rose-Thorn-Inspired Architectures. , 2021, 3, 1566-1571.		5
14	mTORC2 confers neuroprotection and potentiates immunity during virus infection. Nature Communications, 2021, 12, 6020.	12.8	3
15	Heparanase-Induced Activation of AKT Stabilizes Î²-Catenin and Modulates Wnt/Î²-Catenin Signaling during Herpes Simplex Virus 1 Infection. MBio, 2021, 12, e0279221.	4.1	4
16	Azotobacter. , 2020, , 397-426.		4
17	Agrobacterium tumefaciens-Mediated Genetic Transformation of the Ect-endomycorrhizal Fungus Terfezia boudieri. Genes, 2020, 11, 1293.	2.4	3
18	Environmental and socioeconomic effects of mosquito control in Europe using the biocide Bacillus thuringiensis subsp. israelensis (Bti). Science of the Total Environment, 2020, 724, 137800.	8.0	62

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19	Bacterial Pigment Prodigiosin Demonstrates a Unique Antiherpesvirus Activity That Is Mediated through Inhibition of Prosurvival Signal Transducers. Journal of Virology, 2020, 94, .	3.4	20
20	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	15
21	Bacterial microbiota of Aedes aegypti mosquito larvae is altered by intoxication with Bacillus thuringiensis israelensis. Parasites and Vectors, 2018, 11, 121.	2.5	29
22	Phytosynthesized Gold Nanoparticles-Bacillus thuringiensis (Btâ€“GNP) Formulation: A Novel Photo Stable Preparation Against Mosquito Larvae. Journal of Cluster Science, 2018, 29, 577-583.	3.3	5
23	Fabrication of Paper Sensor for Rapid Screening of Nanomaterial Synthesizing Potential of Plants. Journal of Cluster Science, 2018, 29, 737-742.	3.3	4
24	Antimicrobial activity of prodigiosin is attributable to plasma-membrane damage. Natural Product Research, 2017, 31, 572-577.	1.8	73
25	Mechanistic approach for fabrication of gold nanoparticles by NitzschiaÂdiatom and theirÂantibacterial activity. Bioprocess and Biosystems Engineering, 2017, 40, 1437-1446.	3.4	35
26	Fluconazole treatment enhances extracellular release of red pigments in the fungus Monascus purpureus. FEMS Microbiology Letters, 2017, 364, .	1.8	15
27	Synergistic effect of certain insecticides combined with Bacillus thuringiensis on mosquito larvae. Journal of Entomological and Acarological Research, 2017, 49, .	0.7	5
28	Trypsin inactivation by latex fabricated gold nanoparticles: A new strategy towards insect control. Enzyme and Microbial Technology, 2016, 92, 18-25.	3.2	62
29	Use of protease inhibitory gold nanoparticles as a compatibility enhancer for Bt and deltamethrin: A novel approach for pest control. Biocatalysis and Agricultural Biotechnology, 2016, 8, 8-12.	3.1	3
30	Improved method for effective screening of ACC (1-aminocyclopropane-1-carboxylate) deaminase producing microorganisms. Journal of Microbiological Methods, 2016, 131, 102-104.	1.6	12
31	Environmental Metabolic Footprinting: A novel application to study the impact of a natural and a synthetic Î²-triketone herbicide in soil. Science of the Total Environment, 2016, 566-567, 552-558.	8.0	19
32	Bio-Functionalized Silver Nanoparticles: a Novel Colorimetric Probe for Cysteine Detection. Applied Biochemistry and Biotechnology, 2015, 175, 3479-3493.	2.9	29
33	Mosquito larvicidal and pupaecidal potential of prodigiosin from Serratia marcescens and understanding its mechanism of action. Pesticide Biochemistry and Physiology, 2015, 123, 49-55.	3.6	49
34	Innovative approach for urease inhibition by Ficus carica extractâ€“fabricated silver nanoparticles: An in vitro study. Biotechnology and Applied Biochemistry, 2015, 62, 780-784.	3.1	19
35	Maintenance of residual activity of Bt toxin by using natural and synthetic dyes: a novel approach for sustainable mosquito vector control. Natural Product Research, 2015, 29, 2350-2354.	1.8	1
36	In vitro antiparasitic activity of microbial pigments and their combination with phytosynthesized metal nanoparticles. Parasitology International, 2015, 64, 353-356.	1.3	69

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37	Effect of Different Carbon Sources on Morphology and Silver Accumulation in Cochliobolus lunatus. Applied Biochemistry and Biotechnology, 2015, 177, 1409-1423.	2.9	4
38	Biofunctionalized silver nanoparticles as a novel colorimetric probe for melamine detection in raw milk. Biotechnology and Applied Biochemistry, 2015, 62, 652-662.	3.1	25
39	Towards an understanding of bacterial metabolites prodigiosin andÂviolacein and their potential for use in commercial sunscreens. International Journal of Cosmetic Science, 2015, 37, 98-107.	2.6	71
40	Screening of Rubiaceae and Apocynaceae extracts for mosquito larvicidal potential. Natural Product Research, 2015, 29, 353-358.	1.8	11
41	Evaluation of Different Culture Media for Improvement in Bioinsecticides Production by IndigenousBacillus thuringiensisand Their Application against Larvae ofAedes aegypti. Scientific World Journal, The, 2014, 2014, 1-6.	2.1	13
42	Transformation of aromatic dyes using green synthesized silver nanoparticles. Bioprocess and Biosystems Engineering, 2014, 37, 1695-1705.	3.4	22
43	Plant Extract: A Promising Biomatrix for Ecofriendly, Controlled Synthesis of Silver Nanoparticles. Applied Biochemistry and Biotechnology, 2014, 173, 1-29.	2.9	170
44	Studies on Production and Biological Potential of Prodigiosin by Serratia marcescens. Applied Biochemistry and Biotechnology, 2014, 173, 1209-1221.	2.9	72
45	Mercury sensing and toxicity studies of novel latex fabricated silver nanoparticles. Bioprocess and Biosystems Engineering, 2014, 37, 2223-2233.	3.4	18
46	Nematicidal activity of microbial pigment fromSerratia marcescens. Natural Product Research, 2014, 28, 1399-1404.	1.8	55
47	Phytolatex synthesized gold nanoparticles as novel agent to enhance sun protection factor of commercial sunscreens. International Journal of Cosmetic Science, 2014, 36, 571-578.	2.6	31
48	Inhibition of restriction endonucleases by biofunctionalized silver nanoparticles: An in vitro study. Materials Letters, 2014, 134, 24-26.	2.6	5
49	Catalytic and synergistic antibacterial potential of green synthesized silver nanoparticles: Their ecotoxicological evaluation on Poecillia reticulata. Biotechnology and Applied Biochemistry, 2014, 61, 385-394.	3.1	12
50	Mosquito Larvicidal Potential of Gossypium hirsutum (Bt cotton) Leaves Extracts against Aedes aegypti and Anopheles stephensi larvae. Journal of Arthropod-Borne Diseases, 2014, 8, 91-101.	0.9	1
51	Alteration in Bacillus thuringiensis toxicity by curing gut flora: novel approach for mosquito resistance management. Parasitology Research, 2013, 112, 3283-3288.	1.6	39
52	Ficus carica Latex-Mediated Synthesis of Silver Nanoparticles and Its Application as a Chemophotoprotective Agent. Applied Biochemistry and Biotechnology, 2013, 171, 676-688.	2.9	28
53	Effect of wax degrading bacteria on life cycle of the pink hibiscus mealybug, Maconellicoccus hirsutus (Green) (Hemiptera: Pseudococcidae). BioControl, 2013, 58, 535-542.	2.0	8
54	Amoebicidal activity of phytosynthesized silver nanoparticles and theirin vitrocytotoxicity to human cells. FEMS Microbiology Letters, 2013, 345, 127-131.	1.8	34

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55	Phyto-Synthesized Silver Nanoparticles: A Potent Mosquito Biolarvicidal Agent. Journal of Nanomedicine & Biotherapeutic Discovery, 2013, 03, .	0.6	37
56	Production of the bioinsecticide Bacillus thuringiensis subsp. israelensis with deltamethrin increases toxicity towards mosquito larvae. Letters in Applied Microbiology, 2013, 57, 151-156.	2.2	5
57	Biosynthesis of Silver Nanoparticles Using Latex from Few Euphorbian Plants and Their Antimicrobial Potential. Applied Biochemistry and Biotechnology, 2012, 167, 776-790.	2.9	116
58	Larvicidal activity of silver nanoparticles synthesized using Plumeria rubra plant latex against Aedes aegypti and Anopheles stephensi. Parasitology Research, 2012, 110, 1815-1822.	1.6	159
59	Insecticidal potency of bacterial species Bacillus thuringiensis SV2 and Serratia nematodiphila SV6 against larvae of mosquito species Aedes aegypti, Anopheles stephensi, and Culex quinquefasciatus. Parasitology Research, 2012, 110, 1841-1847.	1.6	31
60	Larvicidal activity of silver nanoparticles synthesized using Pergularia daemia plant latex against Aedes aegypti and Anopheles stephensi and nontarget fish Poecillia reticulata. Parasitology Research, 2012, 111, 555-562.	1.6	127
61	Studies on life cycle of mealybug, Maconellicoccus hirsutus (Green) (Hemiptera: Pseudococcidae), on different hosts at different constant temperatures. Crop Protection, 2011, 30, 1553-1556.	2.1	7
62	Bioefficacy of Plumbago zeylanica (Plumbaginaceae) and Cestrum nocturnum (Solanaceae) plant extracts against Aedes aegypti (Diptera: Culicide) and nontarget fish Poecilia reticulata. Parasitology Research, 2011, 108, 1253-1263.	1.6	61
63	Larvicidal potential of silver nanoparticles synthesized using fungus Cochliobolus lunatus against Aedes aegypti (Linnaeus, 1762) and Anopheles stephensi Liston (Diptera; Culicidae). Parasitology Research, 2011, 109, 823-831.	1.6	174
64	Prodigiosin produced by Serratia marcescens NMCC46 as a mosquito larvicidal agent against Aedes aegypti and Anopheles stephensi. Parasitology Research, 2011, 109, 1179-1187.	1.6	87
65	Studies on Characterization of Bioflocculant Exopolysaccharide of Azotobacter indicus and Its Potential for Wastewater Treatment. Applied Biochemistry and Biotechnology, 2011, 163, 463-472.	2.9	72
66	Studies on Amendment of Different Biopolymers in Sandy Loam and Their Effect on Germination, Seedling Growth of Gossypium herbaceum L.. Applied Biochemistry and Biotechnology, 2011, 163, 780-791.	2.9	12
67	Studies on Silver Accumulation and Nanoparticle Synthesis By Cochliobolus lunatus. Applied Biochemistry and Biotechnology, 2011, 165, 221-234.	2.9	61
68	Bioflocculant Exopolysaccharide Production by Azotobacter indicus Using Flower Extract of Madhuca latifolia L. Applied Biochemistry and Biotechnology, 2010, 162, 1095-1108.	2.9	36
69	Potential of extracts of the tropical plant Balanites aegyptiaca (L) Del. (Balanitaceae) to control the mealy bug, Maconellicoccus hirsutus (Homoptera: Pseudococcidae). Crop Protection, 2010, 29, 1293-1296.	2.1	22