Busi Siddhardha

List of Publications by Year
in descending order

67 papers	1,847 citations	257450 24 h-index	276875 41 g-index
74 all docs	74 docs citations	74 times ranked	2420 citing authors

#	Article	IF	Citations
1	Alantolactone modulates the production of quorum sensing mediated virulence factors and biofilm formation in Pseudomonas aeruginosa. Biofouling, 2022, 38, 331-347.	2.2	1
2	Applications of nanoscale particles in antimicrobial photodynamic therapy. , 2021, , 211-227.		1
3	Attenuation of quorum sensing mediated virulence factors production and biofilm formation in Pseudomonas aeruginosa PAO1 by Colletotrichum gloeosporioides HM3. Microbial Pathogenesis, 2021, 151, 104723.	2.9	4
4	Nanomaterials as Novel Cardiovascular Theranostics. Pharmaceutics, 2021, 13, 348.	4.5	31
5	Sesamin and sesamolin rescues Caenorhabditis elegans from Pseudomonas aeruginosa infection through the attenuation of quorum sensing regulated virulence factors. Microbial Pathogenesis, 2021, 155, 104912.	2.9	25
6	Anti-quorum sensing and antibiofilm activities of Blastobotrys parvus PPR3 against Pseudomonas aeruginosa PAO1. Microbial Pathogenesis, 2020, 138, 103811.	2.9	22
7	Phomopsis tersa as Inhibitor of Quorum Sensing System and Biofilm Forming Ability of Pseudomonas aeruginosa. Indian Journal of Microbiology, 2020, 60, 70-77.	2.7	23
8	Biogenic Silver Nanoparticles Decorated with Methylene Blue Potentiated the Photodynamic Inactivation of Pseudomonas aeruginosa and Staphylococcus aureus. Pharmaceutics, 2020, 12, 709.	4.5	26
9	Isolation and Taxonomic Characterization of Novel Haloarchaeal Isolates From Indian Solar Saltern: A Brief Review on Distribution of Bacteriorhodopsins and V-Type ATPases in Haloarchaea. Frontiers in Microbiology, 2020, 11, 554927.	3.5	5
10	Isolation and characterization of plant growth promoting rhizobacteria and their biocontrol efficacy against phytopathogens of tomato (Solanum lycopersicum L.). Plant Biosystems, 2020, , 1-7.	1.6	2
11	Nanoparticle-Mediated Drug Delivery for the Treatment of Cardiovascular Diseases . International Journal of Nanomedicine, 2020, Volume 15, 3741-3769.	6.7	89
12	16s rRNA metagenomic analysis reveals predominance of Crtl and CruF genes in Arabian Sea coast of India. Science of the Total Environment, 2020, 743, 140699.	8.0	6
13	Chrysin-Loaded Chitosan Nanoparticles Potentiates Antibiofilm Activity against Staphylococcus aureus. Pathogens, 2020, 9, 115.	2.8	51
14	Inhibition of quorum sensingâ€“associated virulence factors and biofilm formation in Pseudomonas aeruginosa PAO1 by Mycoleptodiscus indicus PUTY1. Brazilian Journal of Microbiology, 2020, 51, 467-487.	2.0	14
15	Pathogenesis and Drug Resistance of Pseudomonas aeruginosa. , 2020, , 227-256.		1
16	Novel Nanotherapeutics as Next-generation Anti-infective Agents: Current Trends and Future Prospectives. Current Drug Discovery Technologies, 2020, 17, 457-468.	1.2	7
17	Inhibition of Microbial Quorum Sensing Mediated Virulence Factors by Pestalotiopsis sydowiana. Journal of Microbiology and Biotechnology, 2020, 30, 571-582.	2.1	22
18	Nanostructures for Antimicrobial and Antibiofilm Photodynamic Therapy. Nanotechnology in the Life Sciences, 2020, , 305-325.	0.6	4

#	Article	IF	Citations
19	Understanding the Biological Activities of Nanoparticles Using Murine Models. , 2020, , 217-241.		0
20	Synthesis and antimicrobial photodynamic effect of methylene blue conjugated carbon nanotubes on E. coli and S. aureus. Photochemical and Photobiological Sciences, 2019, 18, 563-576.	2.9	80
21	Malachite green-conjugated multi-walled carbon nanotubes potentiate antimicrobial photodynamic inactivation of planktonic cells and biofilms of Pseudomonas aeruginosa and Staphylococcus aureus . International Journal of Nanomedicine, 2019, Volume 14, 3861-3874.	6.7	25
22	Applications of Carbon-Based Nanomaterials for Antimicrobial Photodynamic Therapy. Nanotechnology in the Life Sciences, 2019, , 237-259.	0.6	1
23	Antimicrobial photodynamic activity of toluidine blue-carbon nanotube conjugate against Pseudomonas aeruginosa and Staphylococcus aureus - Understanding the mechanism of action. Photodiagnosis and Photodynamic Therapy, 2019, 27, 305-316.	2.6	63
24	Anti-quorum sensing and anti-biofilm activity of 5-hydroxymethylfurfural against Pseudomonas aeruginosa PAO1: Insights from in vitro, in vivo and in silico studies. Microbiological Research, 2019, 226, 19-26.	5.3	41
25	Antimicrobial photodynamic activity of toluidine blue encapsulated in mesoporous silica nanoparticles againstPseudomonas aeruginosaandStaphylococcus aureus. Biofouling, 2019, 35, 89-103.	2.2	69
26	Mosloflavone attenuates the quorum sensing controlled virulence phenotypes and biofilm formation in Pseudomonas aeruginosa PAO1: In vitro, in vivo and in silico approach. Microbial Pathogenesis, 2019, 131, 128-134.	2.9	33
27	Green Synthesized Nanomaterials as Theranostic Platforms for Cancer Treatment: Principles, Challenges and the Road Ahead. Current Medicinal Chemistry, 2019, 26, 1311-1327.	2.4	16
28	Functionalized Silver Nanoparticles for Sensing, Molecular Imaging and Therapeutic Applications. Current Nanomedicine, 2019, 8, 234-250.	0.6	7
29	Antimicrobial photodynamic therapy on Staphylococcus aureus and Escherichia coli using malachite green encapsulated mesoporous silica nanoparticles: an in vitro study. PeerJ, 2019, 7, e7454.	2.0	28
30	Antioxidant, anti-quorum sensing and anti-biofilm potential of ethanolic leaf extract of Phrynium capitatum and Dryptes indica. Asian Pacific Journal of Tropical Biomedicine, 2019, 9, 323.	1.2	2
31	Antioxidant and Anti-infective Potential of Ethanolic Extract of Eriobotrya bengalensis (Roxb.) Hook. f.: Phytochemicals Investigation and Molecular Docking Studies. Journal of Pure and Applied Microbiology, 2019, 13, 361-370.	0.9	1
32	Attenuation of quorum sensing controlled virulence factors and biofilm formation in Pseudomonas aeruginosa by pentacyclic triterpenes, betulin and betulinic acid. Microbial Pathogenesis, 2018, 118, 48-60.	2.9	77
33	Cinnamic acid attenuates quorum sensing associated virulence factors and biofilm formation in Pseudomonas aeruginosa PAO1. Biotechnology Letters, 2018, 40, 1087-1100.	2.2	59
34	Attenuation of quorum sensing regulated virulence and biofilm development in Pseudomonas aeruginosa PAO1 by Diaporthe phaseolorum SSP12. Microbial Pathogenesis, 2018, 118, 177-189.	2.9	40
35	Functional probes for cardiovascular molecular imaging. Quantitative Imaging in Medicine and Surgery, 2018, 8, 838-852.	2.0	14
36	Antimicrobial photodynamic inactivation of fungal biofilm using amino functionalized mesoporus silica-rose bengal nanoconjugate against Candida albicans. Scientific African, 2018, 1, e00007.	1.5	40

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37	Ferulic acid encapsulated chitosanâ€tripolyphosphate nanoparticles attenuate quorum sensing regulated virulence and biofilm formation in Pseudomonas aeruginosa PAO1. IET Nanobiotechnology, 2018, 12, 1056-1061.	3.8	20
38	Antimicrobial photodynamic activity of rose bengal conjugated multi walled carbon nanotubes against planktonic cells and biofilm of Escherichia coli. Photodiagnosis and Photodynamic Therapy, 2018, 24, 300-310.	2.6	38
39	Evaluation of in vivo antioxidant potential of Syzygium jambos (L.) Alston and Terminalia citrina Roxb. towards oxidative stress response in Saccharomyces cerevisiae. Journal of Food Science and Technology, 2018, 55, 4432-4439.	2.8	8
40	Anti quorum sensing and anti biofilm efficacy of cinnamaldehyde encapsulated chitosan nanoparticles against Pseudomonas aeruginosa PAO1. LWT - Food Science and Technology, 2018, 97, 752-759.	5.2	37
41	Anti-quorum sensing and antibiofilm potential of Alternaria alternata, a foliar endophyte of Carica papaya, evidenced by QS assays and in-silico analysis. Fungal Biology, 2018, 122, 998-1012.	2.5	25
42	Aspergillus ochraceopetaliformis SSP13 modulates quorum sensing regulated virulence and biofilm formation in Pseudomonas aeruginosa PAO1. Biofouling, 2018, 34, 410-425.	2.2	23
43	Microbial Efflux Pump -Specific Determinant to Fight Against the Antimicrobial Resistance in Pathogenic Strains. Current Chemical Biology, 2018, 12, 135-149.	0.5	1
44	Methanolic Extract of Plectranthus tenuiflorus Attenuates Quorum Sensing Mediated Virulence and Biofilm Formation in Pseudomonas aeruginosa PAO1. Journal of Pure and Applied Microbiology, 2018, 12, 1985-1996.	0.9	5
45	Determination of Antioxidant Potential of Selected Wild Edible Mushrooms from India in a Saccharomyces cerevisiae Model System. International Journal of Medicinal Mushrooms, 2018, 20, 569-580.	1.5	0
46	ISOLATION, IDENTIFICATION AND SUBSTRATE SPECIFICITY OF A NITRILASE PRODUCING BACTERIA, Acidovorax sp. SK1. Journal of Microbiology, Biotechnology and Food Sciences, 2018, 8, 788-793.	0.8	1
47	Biocontrol Potential Against Fusarium oxysporum f. sp. lycopersici and Alternaria solani and Tomato Plant Growth Due to Plant Growthâ€“Promoting Rhizobacteria. International Journal of Vegetable Science, 2017, 23, 294-303.	1.3	23
48	Indole Acetic Acid Production and Growth-Promoting Activity of Methylobacterium extorquens MP₁ and Methylobacterium zatmanii MS₄ in Tomato. International Journal of Vegetable Science, 2017, 23, 321-330.	1.3	20
49	Photo-induced and phytomediated synthesis of silver nanoparticles using Derris trifoliata leaf extract and its larvicidal activity against Aedes aegypti. Journal of Photochemistry and Photobiology B: Biology, 2017, 171, 1-8.	3.8	30
50	Determination of antioxidant activity of Hibiscus sabdariffa and Croton caudatus in Saccharomyces cerevisiae model system. Journal of Food Science and Technology, 2017, 54, 2728-2736.	2.8	22
51	Facile green synthesis of baicalein fabricated gold nanoparticles and their antibiofilm activity against Pseudomonas aeruginosa PAO1. Microbial Pathogenesis, 2017, 107, 261-269.	2.9	64
52	Sludge settling and algal flocculating activity of extracellular polymeric substance (EPS) derived from bacillus cereus SK. Water and Environment Journal, 2017, 31, 97-104.	2.2	17
53	Evaluation on the heterostructured CeO2/Y2O3 binary metal oxide nanocomposites for UV/Vis light induced photocatalytic degradation of Rhodamine - B dye for textile engineering application. Journal of Alloys and Compounds, 2017, 727, 1324-1337.	5.5	222
54	Green synthesis of anisotropic gold nanoparticles using hordenine and their antibiofilm efficacy against Pseudomonas aeruginosa. IET Nanobiotechnology, 2017, 11, 987-994.	3.8	23

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55	Determination of antioxidant potential of Acacia nilotica leaf extract in oxidative stress response system of Saccharomyces cerevisiae. Journal of the Science of Food and Agriculture, 2017, 97, 5247-5253.	3.5	14
56	Photocatalytic activity of binary metal oxide nanocomposites of CeO2/CdO nanospheres: Investigation of optical and antimicrobial activity. Journal of Photochemistry and Photobiology B: Biology, 2016, 163, 77-86.	3.8	190
57	Larvicidal activity of green synthesized silver nanoparticles using Excoecaria agallocha L. (Euphorbiaceae) leaf extract against Aedes aegypti. IET Nanobiotechnology, 2016, 10, 382-388.	3.8	16
58	Ecofriendly biosorption of dyes and metals by bacterial biomass of Aeromonas hydrophila RC1. Journal of Environmental Biology, 2016, 37, 267-74.	0.5	3
59	Green rapid biogenic synthesis of bioactive silver nanoparticles (AgNPs) using Pseudomonas aeruginosa. IET Nanobiotechnology, 2014, 8, 267-274.	3.8	31
60	Indolylmethylene benzo[h]thiazolo[2,3-b]quinazolinones: Synthesis, characterization and evaluation of anticancer and antimicrobial activities. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4239-4242.	2.2	52
61	Feeding Deterrence, Acute Toxicity and Sublethal Growth Effects of Kojic Acid Isolated from Aspergillus funiculosus. Natural Products Journal, 2014, 4, 18-22.	0.3	2
62	Differential biological activities of the solvent extracts of Ceriops decandra (Griff.) and their phytochemical investigations. Journal of Pharmacy Research, 2013, 7, 654-660.	0.4	7
63	Synthesis and Biological Activity of a Novel Pentacyclic Heterocycle. Journal of Heterocyclic Chemistry, 2013, 50, 430-434.	2.6	3
64	Synthesis and Antimicrobial Screening of Novel 3, 5-Disubstituted Indazole Derivatives. Letters in Drug Design and Discovery, 2013, 10, 625-631.	0.7	2
65	Biotransformation of Î±-Pinene to Terpineol by Resting Cell Suspension of Absidia corulea. Indian Journal of Microbiology, 2012, 52, 292-294.	2.7	9
66	Biotransformation of (-)-Î±-Santonin by Aspergillus parasiticus and Antimicrobial Efficacy of the Transformed Products. Current Biotechnology, 2012, 1, 194-198.	0.4	1
67	Microbial Transformation of (+)-Î±-Pinene to (+)-Verbenone by Resting Cell Suspension of Cladosporium Cladosporides. Current Catalysis, 2012, 1, 129-131.	0.5	0