

Busi Siddhardha

List of Publications by Year in descending order

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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	Evaluation on the heterostructured CeO ₂ /Y ₂ O ₃ 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
2	Photocatalytic activity of binary metal oxide nanocomposites of CeO ₂ /CdO nanospheres: Investigation of optical and antimicrobial activity. Journal of Photochemistry and Photobiology B: Biology, 2016, 163, 77-86.	3.8	190
3	<p>Nanoparticle-Mediated Drug Delivery for the Treatment of Cardiovascular Diseases</p>; International Journal of Nanomedicine, 2020, Volume 15, 3741-3769.	6.7	89
4	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
5	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
6	Antimicrobial photodynamic activity of toluidine blue encapsulated in mesoporous silica nanoparticles against Pseudomonas aeruginosa and Staphylococcus aureus. Biofouling, 2019, 35, 89-103.	2.2	69
7	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
8	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
9	Cinnamic acid attenuates quorum sensing associated virulence factors and biofilm formation in Pseudomonas aeruginosa PAO1. Biotechnology Letters, 2018, 40, 1087-1100.	2.2	59
10	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
11	Chrysin-Loaded Chitosan Nanoparticles Potentiates Antibiofilm Activity against Staphylococcus aureus. Pathogens, 2020, 9, 115.	2.8	51
12	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
13	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
14	Antimicrobial photodynamic inactivation of fungal biofilm using amino functionalized mesoporous silica-rose bengal nanoconjugate against Candida albicans. Scientific African, 2018, 1, e00007.	1.5	40
15	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
16	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
17	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
18	Green rapid biogenic synthesis of bioactive silver nanoparticles (AgNPs) using Pseudomonas aeruginosa. IET Nanobiotechnology, 2014, 8, 267-274.	3.8	31

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19	Nanomaterials as Novel Cardiovascular Theranostics. <i>Pharmaceutics</i> , 2021, 13, 348.	4.5	31
20	Photo-induced and phytomediated synthesis of silver nanoparticles using <i>Derris trifoliata</i> leaf extract and its larvicidal activity against <i>Aedes aegypti</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 171, 1-8.	3.8	30
21	Antimicrobial photodynamic therapy on <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> using malachite green encapsulated mesoporous silica nanoparticles: an <i>in vitro</i> study. <i>PeerJ</i> , 2019, 7, e7454.	2.0	28
22	Biogenic Silver Nanoparticles Decorated with Methylene Blue Potentiated the Photodynamic Inactivation of <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> . <i>Pharmaceutics</i> , 2020, 12, 709.	4.5	26
23	Anti-quorum sensing and antibiofilm potential of <i>Alternaria alternata</i> , a foliar endophyte of <i>Carica papaya</i> , evidenced by QS assays and <i>in-silico</i> analysis. <i>Fungal Biology</i> , 2018, 122, 998-1012.	2.5	25
24	Malachite green-conjugated multi-walled carbon nanotubes potentiate antimicrobial photodynamic inactivation of planktonic cells and biofilms of <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> . <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 3861-3874.	6.7	25
25	Sesamin and sesamol rescues <i>Caenorhabditis elegans</i> from <i>Pseudomonas aeruginosa</i> infection through the attenuation of quorum sensing regulated virulence factors. <i>Microbial Pathogenesis</i> , 2021, 155, 104912.	2.9	25
26	Biocontrol Potential Against <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> and <i>Alternaria solani</i> and Tomato Plant Growth Due to Plant Growth Promoting Rhizobacteria. <i>International Journal of Vegetable Science</i> , 2017, 23, 294-303.	1.3	23
27	Green synthesis of anisotropic gold nanoparticles using hordenine and their antibiofilm efficacy against <i>Pseudomonas aeruginosa</i> . <i>IET Nanobiotechnology</i> , 2017, 11, 987-994.	3.8	23
28	<i>Aspergillus ochraceopetaliformis</i> SSP13 modulates quorum sensing regulated virulence and biofilm formation in <i>Pseudomonas aeruginosa</i> PAO1. <i>Biofouling</i> , 2018, 34, 410-425.	2.2	23
29	<i>Phomopsis tersa</i> as Inhibitor of Quorum Sensing System and Biofilm Forming Ability of <i>Pseudomonas aeruginosa</i> . <i>Indian Journal of Microbiology</i> , 2020, 60, 70-77.	2.7	23
30	Determination of antioxidant activity of <i>Hibiscus sabdariffa</i> and <i>Croton caudatus</i> in <i>Saccharomyces cerevisiae</i> model system. <i>Journal of Food Science and Technology</i> , 2017, 54, 2728-2736.	2.8	22
31	Anti-quorum sensing and antibiofilm activities of <i>Blastobotrys parvus</i> PPR3 against <i>Pseudomonas aeruginosa</i> PAO1. <i>Microbial Pathogenesis</i> , 2020, 138, 103811.	2.9	22
32	Inhibition of Microbial Quorum Sensing Mediated Virulence Factors by <i>Pestalotiopsis sydowiana</i> . <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 571-582.	2.1	22
33	Indole Acetic Acid Production and Growth-Promoting Activity of <i>Methylobacterium extorquens</i> MP ₁ and <i>Methylobacterium zatmanii</i> MS ₄ in Tomato. <i>International Journal of Vegetable Science</i> , 2017, 23, 321-330.	1.3	20
34	Ferulic acid encapsulated chitosan-tripolyphosphate nanoparticles attenuate quorum sensing regulated virulence and biofilm formation in <i>Pseudomonas aeruginosa</i> PAO1. <i>IET Nanobiotechnology</i> , 2018, 12, 1056-1061.	3.8	20
35	Sludge settling and algal flocculating activity of extracellular polymeric substance (EPS) derived from <i>Bacillus cereus</i> SK. <i>Water and Environment Journal</i> , 2017, 31, 97-104.	2.2	17
36	Larvicidal activity of green synthesized silver nanoparticles using <i>Excoecaria agallocha</i> L. (<i>Euphorbiaceae</i>) leaf extract against <i>Aedes aegypti</i> . <i>IET Nanobiotechnology</i> , 2016, 10, 382-388.	3.8	16

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37	Green Synthesized Nanomaterials as Theranostic Platforms for Cancer Treatment: Principles, Challenges and the Road Ahead. <i>Current Medicinal Chemistry</i> , 2019, 26, 1311-1327.	2.4	16
38	Functional probes for cardiovascular molecular imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 838-852.	2.0	14
39	Inhibition of quorum sensing-associated virulence factors and biofilm formation in <i>Pseudomonas aeruginosa</i> PAO1 by <i>Mycocleptodiscus indicus</i> PUTY1. <i>Brazilian Journal of Microbiology</i> , 2020, 51, 467-487.	2.0	14
40	Determination of antioxidant potential of <i>Acacia nilotica</i> leaf extract in oxidative stress response system of <i>Saccharomyces cerevisiae</i> . <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 5247-5253.	3.5	14
41	Biotransformation of α -Pinene to Terpineol by Resting Cell Suspension of <i>Absidia corulea</i> . <i>Indian Journal of Microbiology</i> , 2012, 52, 292-294.	2.7	9
42	Evaluation of in vivo antioxidant potential of <i>Syzygium jambos</i> (L.) Alston and <i>Terminalia citrina</i> Roxb. towards oxidative stress response in <i>Saccharomyces cerevisiae</i> . <i>Journal of Food Science and Technology</i> , 2018, 55, 4432-4439.	2.8	8
43	Differential biological activities of the solvent extracts of <i>Ceriops decandra</i> (Griff.) and their phytochemical investigations. <i>Journal of Pharmacy Research</i> , 2013, 7, 654-660.	0.4	7
44	Novel Nanotherapeutics as Next-generation Anti-infective Agents: Current Trends and Future Prospectives. <i>Current Drug Discovery Technologies</i> , 2020, 17, 457-468.	1.2	7
45	Functionalized Silver Nanoparticles for Sensing, Molecular Imaging and Therapeutic Applications. <i>Current Nanomedicine</i> , 2019, 8, 234-250.	0.6	7
46	16s rRNA metagenomic analysis reveals predominance of CrtI and CruF genes in Arabian Sea coast of India. <i>Science of the Total Environment</i> , 2020, 743, 140699.	8.0	6
47	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. <i>Frontiers in Microbiology</i> , 2020, 11, 554927.	3.5	5
48	Methanolic Extract of <i>Plectranthus tenuiflorus</i> Attenuates Quorum Sensing Mediated Virulence and Biofilm Formation in <i>Pseudomonas aeruginosa</i> PAO1. <i>Journal of Pure and Applied Microbiology</i> , 2018, 12, 1985-1996.	0.9	5
49	Attenuation of quorum sensing mediated virulence factors production and biofilm formation in <i>Pseudomonas aeruginosa</i> PAO1 by <i>Colletotrichum gloeosporioides</i> HM3. <i>Microbial Pathogenesis</i> , 2021, 151, 104723.	2.9	4
50	Nanostructures for Antimicrobial and Antibiofilm Photodynamic Therapy. <i>Nanotechnology in the Life Sciences</i> , 2020, , 305-325.	0.6	4
51	Synthesis and Biological Activity of a Novel Pentacyclic Heterocycle. <i>Journal of Heterocyclic Chemistry</i> , 2013, 50, 430-434.	2.6	3
52	Ecofriendly biosorption of dyes and metals by bacterial biomass of <i>Aeromonas hydrophila</i> RC1. <i>Journal of Environmental Biology</i> , 2016, 37, 267-74.	0.5	3
53	Feeding Deterrence, Acute Toxicity and Sublethal Growth Effects of Kojic Acid Isolated from <i>Aspergillus funiculosus</i> . <i>Natural Products Journal</i> , 2014, 4, 18-22.	0.3	2
54	Isolation and characterization of plant growth promoting rhizobacteria and their biocontrol efficacy against phytopathogens of tomato (<i>Solanum lycopersicum</i> L.). <i>Plant Biosystems</i> , 2020, , 1-7.	1.6	2

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55	Synthesis and Antimicrobial Screening of Novel 3, 5-Disubstituted Indazole Derivatives. Letters in Drug Design and Discovery, 2013, 10, 625-631.	0.7	2
56	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
57	Applications of Carbon-Based Nanomaterials for Antimicrobial Photodynamic Therapy. Nanotechnology in the Life Sciences, 2019, , 237-259.	0.6	1
58	Applications of nanoscale particles in antimicrobial photodynamic therapy. , 2021, , 211-227.		1
59	Pathogenesis and Drug Resistance of Pseudomonas aeruginosa. , 2020, , 227-256.		1
60	Biotransformation of (-)- β -Santonin by Aspergillus parasiticus and Antimicrobial Efficacy of the Transformed Products. Current Biotechnology, 2012, 1, 194-198.	0.4	1
61	Microbial Efflux Pump -Specific Determinant to Fight Against the Antimicrobial Resistance in Pathogenic Strains. Current Chemical Biology, 2018, 12, 135-149.	0.5	1
62	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
63	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
64	Alantolactone modulates the production of quorum sensing mediated virulence factors and biofilm formation in <i>Pseudomonas aeruginosa</i> . Biofouling, 2022, 38, 331-347.	2.2	1
65	Microbial Transformation of (+)- β -Pinene to (+)-Verbenone by Resting Cell Suspension of Cladosporium Cladosporides. Current Catalysis, 2012, 1, 129-131.	0.5	0
66	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
67	Understanding the Biological Activities of Nanoparticles Using Murine Models. , 2020, , 217-241.		0