

Ranjith Kumavath

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

937
citations

516561

16
h-index

501076

28
g-index

65
all docs

65
docs citations

65
times ranked

1274
citing authors

#	ARTICLE	IF	CITATIONS
1	Gut Microbiota and Antibiotics: Dysbiosis and Antimicrobial Resistance. , 2022, , 374-386.		0
2	Attenuation of <i>Enterococcus faecalis</i> biofilm formation by Rhodethrin: A combinatorial study with an antibiotic. <i>Microbial Pathogenesis</i> , 2022, 163, 105401.	1.3	2
3	Bioprospecting of microbial enzymes: current trends in industry and healthcare. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 1813-1835.	1.7	18
4	Alantolactone modulates the production of quorum sensing mediated virulence factors and biofilm formation in <i>Pseudomonas aeruginosa</i> . <i>Biofouling</i> , 2022, 38, 331-347.	0.8	1
5	Metagenomic insights into the antibiotic resistome of mangrove sediments and their association to socioeconomic status. <i>Environmental Pollution</i> , 2021, 268, 115795.	3.7	17
6	Microbial-Mediated Remediation of Environmental Contaminants by Integrated Multi OMICs Approaches. , 2021, , 109-124.		2
7	Extremophilic Microbes. , 2021, , 218-229.		1
8	Shotgun metagenomic analysis of kombucha mutualistic community exposed to Mars-like environment outside the International Space Station. <i>Environmental Microbiology</i> , 2021, 23, 3727-3742.	1.8	17
9	In silico analysis of nsSNPs in CYP19A1 gene affecting breast cancer associated aromatase enzyme. <i>Journal of Genetics</i> , 2021, 100, 1.	0.4	3
10	Bacterial Cellulose Retains Robustness but Its Synthesis Declines After Exposure to a Mars-like Environment Simulated Outside the International Space Station. <i>Astrobiology</i> , 2021, 21, 706-717.	1.5	16
11	Sesamin and sesamolin 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.	1.3	25
12	Ubiquitousness of Haloferax and Carotenoid Producing Genes in Arabian Sea Coastal Biosystems of India. <i>Marine Drugs</i> , 2021, 19, 442.	2.2	5
13	The Spike of SARS-CoV-2: Uniqueness and Applications. <i>Frontiers in Immunology</i> , 2021, 12, 663912.	2.2	14
14	Emergence of Cardiac Glycosides as Potential Drugs: Current and Future Scope for Cancer Therapeutics. <i>Biomolecules</i> , 2021, 11, 1275.	1.8	22
15	Identification of Multi-Potent Protein Subtilisin A from halophilic bacterium <i>Bacillus firmus</i> VE2. <i>Microbial Pathogenesis</i> , 2021, 157, 105007.	1.3	6
16	Metagenomic Approaches for Exploration of Halophilic Prokaryotes in Coastal Areas. , 2021, , 63-78.		1
17	Rhizosphere impacts bacterial community structure in the tea (<i>Camellia sinensis</i> (L.) O. Kuntze.) estates of Darjeeling, India. <i>Environmental Microbiology</i> , 2021, , .	1.8	3
18	analysis of nsSNPs in gene affecting breast cancer associated aromatase enzyme. <i>Journal of Genetics</i> , 2021, 100, .	0.4	0

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19	Peruvoside targets apoptosis and autophagy through MAPK Wnt/ β 2-catenin and PI3K/AKT/mTOR signaling pathways in human cancers. <i>Life Sciences</i> , 2020, 241, 117147.	2.0	43
20	Metagenomic insights unveil the dominance of undescribed Actinobacteria in pond ecosystem of an Indian shrine. <i>Meta Gene</i> , 2020, 23, 100639.	0.3	4
21	Current Trends in Experimental and Computational Approaches to Combat Antimicrobial Resistance. <i>Frontiers in Genetics</i> , 2020, 11, 563975.	1.1	12
22	Metagenomic insights into the fungal assemblages of the northwest Himalayan cold desert. <i>Extremophiles</i> , 2020, 24, 749-758.	0.9	5
23	Anticancer and Antiviral Properties of Cardiac Glycosides: A Review to Explore the Mechanism of Actions. <i>Molecules</i> , 2020, 25, 3596.	1.7	42
24	Rhodethrin and Rubrivivaxin as potential source of anti-biofilm agents against vancomycin resistant <i>Enterococcus faecalis</i> (ATCC 19443). <i>Microbial Pathogenesis</i> , 2020, 148, 104457.	1.3	4
25	Shotgun metagenomics reveals a heterogeneous prokaryotic community and a wide array of antibiotic resistance genes in mangrove sediment. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	17
26	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.	3.9	6
27	Pan-omics focused to Crick's central dogma. , 2020, , 1-41.		3
28	Pan-metagenomics: An overview of the human microbiome. , 2020, , 335-342.		0
29	Potential chimeric peptides to block the SARS-CoV-2 spike receptor-binding domain. <i>F1000Research</i> , 2020, 9, 576.	0.8	38
30	Clinical Applications of Antimicrobial Peptides (AMPs): Where do we Stand Now?. <i>Protein and Peptide Letters</i> , 2020, 27, 120-134.	0.4	85
31	Inhibition of Microbial Quorum Sensing Mediated Virulence Factors by <i>Pestalotiopsis sydowiana</i> . <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 571-582.	0.9	22
32	Role of Quorum Sensing in Microbial Infections and Biofilm Formation. , 2020, , 61-78.		3
33	16S rRNA Gene Amplicon Based Metagenomic Signatures of Rhizobiome Community in Rice Field During Various Growth Stages. <i>Frontiers in Microbiology</i> , 2019, 10, 2103.	1.5	16
34	Piper betel Compounds Piperidine, Eugenyl Acetate, and Chlorogenic Acid Are Broad-Spectrum Anti-Vibrio Compounds that Are Also Effective on MDR Strains of the Pathogen. <i>Pathogens</i> , 2019, 8, 64.	1.2	6
35	Anti-quorum sensing and anti-biofilm activity of 5-hydroxymethylfurfural against <i>Pseudomonas aeruginosa</i> PAO1: Insights from in vitro, in vivo and in silico studies. <i>Microbiological Research</i> , 2019, 226, 19-26.	2.5	41
36	Mosloflavone attenuates the quorum sensing controlled virulence phenotypes and biofilm formation in <i>Pseudomonas aeruginosa</i> PAO1: In vitro, in vivo and in silico approach. <i>Microbial Pathogenesis</i> , 2019, 131, 128-134.	1.3	33

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37	Lanatoside C Induces G2/M Cell Cycle Arrest and Suppresses Cancer Cell Growth by Attenuating MAPK, Wnt, JAK-STAT, and PI3K/AKT/mTOR Signaling Pathways. <i>Biomolecules</i> , 2019, 9, 792.	1.8	73
38	Insights into Antagonistic Interactions of Multidrug Resistant Bacteria in Mangrove Sediments from the South Indian State of Kerala. <i>Microorganisms</i> , 2019, 7, 678.	1.6	13
39	Strophanthidin Attenuates MAPK, PI3K/AKT/mTOR, and Wnt/ β -Catenin Signaling Pathways in Human Cancers. <i>Frontiers in Oncology</i> , 2019, 9, 1469.	1.3	36
40	Acetate Kinase (Ack) is Essential for Microbial Growth and Betel-derived Compounds Potentially Target Ack, PhoP and MDR Proteins in <i>M. tuberculosis</i> , <i>V. cholerae</i> and Pathogenic <i>E. coli</i> : An in silico and in vitro Study. <i>Current Topics in Medicinal Chemistry</i> , 2019, 18, 2731-2740.	1.0	9
41	Metagenomics of Antimicrobial Resistance in Gut Microbiome. , 2018, , .		0
42	Comparative mangrove metagenome reveals global prevalence of heavy metals and antibiotic resistome across different ecosystems. <i>Scientific Reports</i> , 2018, 8, 11187.	1.6	63
43	Bio-Augmentation of Actinobacteria and Their Role in Dye Decolorization. , 2018, , 297-304.		8
44	Linking common non-coding RNAs of human lung cancer and <i>M. tuberculosis</i> . <i>Bioinformatics</i> , 2018, 14, 337-345.	0.2	5
45	Microbial Biomolecules. , 2018, , 1-16.		0
46	Marine Enzymes. <i>Advances in Food and Nutrition Research</i> , 2017, 80, 149-163.	1.5	30
47	Searching for signatures across microbial communities: Metagenomic analysis of soil samples from mangrove and other ecosystems. <i>Scientific Reports</i> , 2017, 7, 8859.	1.6	50
48	Vaccination to Combat as an Approach to Reduce the Antibacterial Resistance..!. <i>International Journal of Vaccines & Vaccination</i> , 2017, 4, .	0.3	1
49	Novel aromatase inhibitors selection using induced fit docking and extra precision methods: Potential clinical use in ER-alpha-positive breast cancer. <i>Bioinformatics</i> , 2016, 12, 324-331.	0.2	8
50	Novel antimicrobial and anticancer drugs from bacteria. , 2015, , 143-154.		0
51	Isolation and Characterization of L-Tryptophan Ammonia Lyase from <i>Rubrivivax benzoatilyticus</i> Strain JA2. <i>Current Protein and Peptide Science</i> , 2015, 16, 775-781.	0.7	7
52	The conserved mitochondrial gene distribution in relatives of <i>Turritopsis nutricula</i> , an immortal jellyfish. <i>Bioinformatics</i> , 2014, 10, 586-591.	0.2	10
53	In Silico Identification of Novel Candidate Drug Targets in <i>Haemophilus Influenzae</i> Rd KW20. <i>International Journal of Genetics and Genomics</i> , 2014, 2, 62.	0.1	1
54	Conserved host-pathogen PPIs Globally conserved inter-species bacterial PPIs based conserved host-pathogen interactome derived novel target in <i>C. pseudotuberculosis</i> , <i>C. diphtheriae</i> , <i>M. tuberculosis</i> , <i>C. ulcerans</i> , <i>Y. pestis</i> , and <i>E. coli</i> targeted by <i>Piper betel</i> compounds. <i>Integrative Biology (United Kingdom)</i> , 2013, 5, 495-509.	0.6	24

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55	Tight controlled expression and secretion of Lactobacillus brevis SlpA in Lactococcus lactis. Biotechnology Letters, 2012, 34, 1275-1281.	1.1	3
56	Comparative Network Analysis of Two-Component Signal Transducing Protein-Protein Interactions in Enterococcus faecalis Sp.. Journal of Proteomics and Bioinformatics, 2012, 05, .	0.4	0
57	Rubrivaxin, a new cytotoxic and cyclooxygenase-I inhibitory metabolite from Rubrivivax benzoatilyticus JA2. World Journal of Microbiology and Biotechnology, 2011, 27, 11-16.	1.7	13
58	Production of Phenols and Alkyl Gallate Esters by Rhodobacter sphaeroides OU5. Current Microbiology, 2010, 60, 107-111.	1.0	7
59	l-Tryptophan catabolism by Rubrivivax benzoatilyticus JA2 occurs through indole 3-pyruvic acid pathway. Biodegradation, 2010, 21, 825-832.	1.5	15
60	Light-Dependent Transformation of Aniline to Indole Esters by the Purple Bacterium Rhodobacter sphaeroides OU5. Current Microbiology, 2006, 52, 413-417.	1.0	16
61	Emerging role of pioneer transcription factors in targeted ER± positive breast cancer. Exploration of Targeted Anti-tumor Therapy, 0, , .	0.5	1