

Ranjith Kumavath

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2754630/publications.pdf>

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	Clinical Applications of Antimicrobial Peptides (AMPs): Where do we Stand Now?. Protein and Peptide Letters, 2020, 27, 120-134.	0.4	85
2	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. Biomolecules, 2019, 9, 792.	1.8	73
3	Comparative mangrove metagenome reveals global prevalence of heavy metals and antibiotic resistome across different ecosystems. Scientific Reports, 2018, 8, 11187.	1.6	63
4	Searching for signatures across microbial communities: Metagenomic analysis of soil samples from mangrove and other ecosystems. Scientific Reports, 2017, 7, 8859.	1.6	50
5	Peruvoside targets apoptosis and autophagy through MAPK Wnt/ β -catenin and PI3K/AKT/mTOR signaling pathways in human cancers. Life Sciences, 2020, 241, 117147.	2.0	43
6	Anticancer and Antiviral Properties of Cardiac Glycosides: A Review to Explore the Mechanism of Actions. Molecules, 2020, 25, 3596.	1.7	42
7	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.	2.5	41
8	Potential chimeric peptides to block the SARS-CoV-2 spike receptor-binding domain. F1000Research, 2020, 9, 576.	0.8	38
9	Strophanthidin Attenuates MAPK, PI3K/AKT/mTOR, and Wnt/ β -Catenin Signaling Pathways in Human Cancers. Frontiers in Oncology, 2019, 9, 1469.	1.3	36
10	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.	1.3	33
11	Marine Enzymes. Advances in Food and Nutrition Research, 2017, 80, 149-163.	1.5	30
12	Sesamin and sesamol rescues Caenorhabditis elegans from Pseudomonas aeruginosa infection through the attenuation of quorum sensing regulated virulence factors. Microbial Pathogenesis, 2021, 155, 104912.	1.3	25
13	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. Integrative Biology (United Kingdom), 2013, 5, 495-509.	0.6	24
14	Emergence of Cardiac Glycosides as Potential Drugs: Current and Future Scope for Cancer Therapeutics. Biomolecules, 2021, 11, 1275.	1.8	22
15	Inhibition of Microbial Quorum Sensing Mediated Virulence Factors by Pestalotiopsis sydowiana. Journal of Microbiology and Biotechnology, 2020, 30, 571-582.	0.9	22
16	Bioprospecting of microbial enzymes: current trends in industry and healthcare. Applied Microbiology and Biotechnology, 2022, 106, 1813-1835.	1.7	18
17	Shotgun metagenomics reveals a heterogeneous prokaryotic community and a wide array of antibiotic resistance genes in mangrove sediment. FEMS Microbiology Ecology, 2020, 96, .	1.3	17
18	Metagenomic insights into the antibiotic resistome of mangrove sediments and their association to socioeconomic status. Environmental Pollution, 2021, 268, 115795.	3.7	17

#	ARTICLE	IF	CITATIONS
19	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
20	Light-Dependent Transformation of Aniline to Indole Esters by the Purple Bacterium <i>Rhodobacter sphaeroides</i> OU5. <i>Current Microbiology</i> , 2006, 52, 413-417.	1.0	16
21	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
22	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
23	L-Tryptophan catabolism by <i>Rubrivivax benzoatilyticus</i> JA2 occurs through indole 3-pyruvic acid pathway. <i>Biodegradation</i> , 2010, 21, 825-832.	1.5	15
24	The Spike of SARS-CoV-2: Uniqueness and Applications. <i>Frontiers in Immunology</i> , 2021, 12, 663912.	2.2	14
25	Rubrivivaxin, a new cytotoxic and cyclooxygenase-I inhibitory metabolite from <i>Rubrivivax benzoatilyticus</i> JA2. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 11-16.	1.7	13
26	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
27	Current Trends in Experimental and Computational Approaches to Combat Antimicrobial Resistance. <i>Frontiers in Genetics</i> , 2020, 11, 563975.	1.1	12
28	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
29	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
30	Bio-Augmentation of Actinobacteria and Their Role in Dye Decolorization. , 2018, , 297-304.		8
31	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
32	Production of Phenols and Alkyl Gallate Esters by <i>Rhodobacter sphaeroides</i> OU5. <i>Current Microbiology</i> , 2010, 60, 107-111.	1.0	7
33	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
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	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
36	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

#	ARTICLE	IF	CITATIONS
37	Metagenomic insights into the fungal assemblages of the northwest Himalayan cold desert. <i>Extremophiles</i> , 2020, 24, 749-758.	0.9	5
38	Ubiquitousness of Haloferax and Carotenoid Producing Genes in Arabian Sea Coastal Biosystems of India. <i>Marine Drugs</i> , 2021, 19, 442.	2.2	5
39	Linking common non-coding RNAs of human lung cancer and <i>M. tuberculosis</i> . <i>Bioinformatics</i> , 2018, 14, 337-345.	0.2	5
40	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
41	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
42	Tight controlled expression and secretion of <i>Lactobacillus brevis</i> SlpA in <i>Lactococcus lactis</i> . <i>Biotechnology Letters</i> , 2012, 34, 1275-1281.	1.1	3
43	Pan-omics focused to Crick's central dogma. , 2020, , 1-41.		3
44	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
45	Role of Quorum Sensing in Microbial Infections and Biofilm Formation. , 2020, , 61-78.		3
46	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
47	Microbial-Mediated Remediation of Environmental Contaminants by Integrated Multi OMICs Approaches. , 2021, , 109-124.		2
48	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
49	Extremophilic Microbes. , 2021, , 218-229.		1
50	Emerging role of pioneer transcription factors in targeted ER \pm positive breast cancer. Exploration of Targeted Anti-tumor Therapy, 0, , .	0.5	1
51	Vaccination to Combat as an Approach to Reduce the Antibacterial Resistance..!. <i>International Journal of Vaccines & Vaccination</i> , 2017, 4, .	0.3	1
52	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
53	Metagenomic Approaches for Exploration of Halophilic Prokaryotes in Coastal Areas. , 2021, , 63-78.		1
54	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

#	ARTICLE	IF	CITATIONS
55	Novel antimicrobial and anticancer drugs from bacteria. , 2015, , 143-154.		0
56	Metagenomics of Antimicrobial Resistance in Gut Microbiome. , 2018, , .		0
57	Pan-metagenomics: An overview of the human microbiome. , 2020, , 335-342.		0
58	Gut Microbiota and Antibiotics: Dysbiosis and Antimicrobial Resistance. , 2022, , 374-386.		0
59	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
60	Microbial Biomolecules. , 2018, , 1-16.		0
61	analysis of nsSNPs in gene affecting breast cancer associated aromatase enzyme. Journal of Genetics, 2021, 100, .	0.4	0