# Ranjith Kumavath

List of Publications by Year
in descending order



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|---|---|---|---|
| 61 papers | 937 citations | 516710 16 h-index | 501196 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 Enterococcus faecalis biofilm formation by Rhodethrin: A combinatorial study with an antibiotic. Microbial Pathogenesis, 2022, 163, 105401. | 2.9 | 2 |
| 3 | Bioprospecting of microbial enzymes: current trends in industry and healthcare. Applied Microbiology and Biotechnology, 2022, 106, 1813-1835. | 3.6 | 18 |
| 4 | Alantolactone modulates the production of quorum sensing mediated virulence factors and biofilm formation in Pseudomonas aeruginosa. Biofouling, 2022, 38, 331-347. | 2.2 | 1 |
| 5 | Metagenomic insights into the antibiotic resistome of mangrove sediments and their association to socioeconomic status. Environmental Pollution, 2021, 268, 115795. | 7.5 | 17 |
| 6 | Microbial-Mediated Remediation of Environmental Contaminants by Integrated Multi OMICâ€™s Approaches. , 2021, , 109-124. | | 2 |
| 7 | Extremophilic Microbes. , 2021, , 218-229. | | 1 |
| 8 | Shotgun metagenomic analysis of kombucha mutualistic community exposed to Marsâ€like environment outside the International Space Station. Environmental Microbiology, 2021, 23, 3727-3742. | 3.8 | 17 |
| 9 | In silico analysis of nsSNPs in CYP19A1 gene affecting breast cancer associated aromatase enzyme. Journal of Genetics, 2021, 100, 1. | 0.7 | 3 |
| 10 | Bacterial Cellulose Retains Robustness but Its Synthesis Declines After Exposure to a Mars-like Environment Simulated Outside the International Space Station. Astrobiology, 2021, 21, 706-717. | 3.0 | 16 |
| 11 | 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 |
| 12 | Ubiquitousness of Haloferax and Carotenoid Producing Genes in Arabian Sea Coastal Biosystems of India. Marine Drugs, 2021, 19, 442. | 4.6 | 5 |
| 13 | The Spike of SARS-CoV-2: Uniqueness and Applications. Frontiers in Immunology, 2021, 12, 663912. | 4.8 | 14 |
| 14 | Emergence of Cardiac Glycosides as Potential Drugs: Current and Future Scope for Cancer Therapeutics. Biomolecules, 2021, 11, 1275. | 4.0 | 22 |
| 15 | Identification of Multi-Potent Protein Subtilisin A from halophilic bacterium Bacillus firmus VE2. Microbial Pathogenesis, 2021, 157, 105007. | 2.9 | 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 ( Camellia sinensis (L.) O . Kuntze .) estates of Darjeeling, India. Environmental Microbiology, 2021, , . | 3.8 | 3 |
| 18 | analysis of nsSNPs in gene affecting breast cancer associated aromatase enzyme. Journal of Genetics, 2021, 100, . | 0.7 | 0 |

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|---|---|---|---|
| 19 | Peruvoside targets apoptosis and autophagy through MAPK Wnt/Î²-catenin and PI3K/AKT/mTOR signaling pathways in human cancers. Life Sciences, 2020, 241, 117147. | 4.3 | 43 |
| 20 | Metagenomic insights unveil the dominance of undescribed Actinobacteria in pond ecosystem of an Indian shrine. Meta Gene, 2020, 23, 100639. | 0.6 | 4 |
| 21 | Current Trends in Experimental and Computational Approaches to Combat Antimicrobial Resistance. Frontiers in Genetics, 2020, 11, 563975. | 2.3 | 12 |
| 22 | Metagenomic insights into the fungal assemblages of the northwest Himalayan cold desert. Extremophiles, 2020, 24, 749-758. | 2.3 | 5 |
| 23 | Anticancer and Antiviral Properties of Cardiac Glycosides: A Review to Explore the Mechanism of Actions. Molecules, 2020, 25, 3596. | 3.8 | 42 |
| 24 | Rhodethrin and Rubrivivaxin as potential source of anti-biofilm agents against vancomycin resistant Enterococcus faecalis (ATCC 19443). Microbial Pathogenesis, 2020, 148, 104457. | 2.9 | 4 |
| 25 | Shotgun metagenomics reveals a heterogeneous prokaryotic community and a wide array of antibiotic resistance genes in mangrove sediment. FEMS Microbiology Ecology, 2020, 96, . | 2.7 | 17 |
| 26 | 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 |
| 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. F1000Research, 2020, 9, 576. | 1.6 | 38 |
| 30 | Clinical Applications of Antimicrobial Peptides (AMPs): Where do we Stand Now?. Protein and Peptide Letters, 2020, 27, 120-134. | 0.9 | 85 |
| 31 | Inhibition of Microbial Quorum Sensing Mediated Virulence Factors by Pestalotiopsis sydowiana. Journal of Microbiology and Biotechnology, 2020, 30, 571-582. | 2.1 | 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. Frontiers in Microbiology, 2019, 10, 2103. | 3.5 | 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. Pathogens, 2019, 8, 64. | 2.8 | 6 |
| 35 | 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 |
| 36 | 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 |

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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. Biomolecules, 2019, 9, 792. | 4.0 | 73 |
| 38 | Insights into Antagonistic Interactions of Multidrug Resistant Bacteria in Mangrove Sediments from the South Indian State of Kerala. Microorganisms, 2019, 7, 678. | 3.6 | 13 |
| 39 | Strophanthidin Attenuates MAPK, PI3K/AKT/mTOR, and Wnt/î²-Catenin Signaling Pathways in Human Cancers. Frontiers in Oncology, 2019, 9, 1469. | 2.8 | 36 |
| 40 | Acetate Kinase (AcK) is Essential for Microbial Growth and Betel-derived Compounds Potentially Target AcK, PhoP and MDR Proteins in M. tuberculosis, V. cholerae and Pathogenic E. coli: An in silico and in vitro Study. Current Topics in Medicinal Chemistry, 2019, 18, 2731-2740. | 2.1 | 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. Scientific Reports, 2018, 8, 11187. | 3.3 | 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 M. tuberculosis. Bioinformation, 2018, 14, 337-345. | 0.5 | 5 |
| 45 | Microbial Biomolecules. , 2018, , 1-16. | | 0 |
| 46 | Marine Enzymes. Advances in Food and Nutrition Research, 2017, 80, 149-163. | 3.0 | 30 |
| 47 | Searching for signatures across microbial communities: Metagenomic analysis of soil samples from mangrove and other ecosystems. Scientific Reports, 2017, 7, 8859. | 3.3 | 50 |
| 48 | Vaccination to Combat as an Approach to Reduce the Antibacterial Resistance..!. International Journal of Vaccines & Vaccination, 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. Bioinformation, 2016, 12, 324-331. | 0.5 | 8 |
| 50 | Novel antimicrobial and anticancer drugs from bacteria. , 2015, , 143-154. | | 0 |
| 51 | Isolation and Characterization of L-Tryptophan Ammonia Lyase from Rubrivivax benzoatilyticus Strain JA2. Current Protein and Peptide Science, 2015, 16, 775-781. | 1.4 | 7 |
| 52 | The conserved mitochondrial gene distribution in relatives of Turritopsis nutricula, an immortal jellyfish. Bioinformation, 2014, 10, 586-591. | 0.5 | 10 |
| 53 | In Silico Identification of Novel Candidate Drug Targets in Haemophilus Influenzae Rd KW20. International Journal of Genetics and Genomics, 2014, 2, 62. | 0.2 | 1 |
| 54 | Conserved hostâ€“pathogen PPIs Globally conserved inter-species bacterial PPIs based conserved host-pathogen interactome derived novel target inC. pseudotuberculosis,C. diphtheriae,M. tuberculosis,C. ulcerans,Y. pestis, andE. colitargeted byPiper betelcompounds. Integrative Biology (United Kingdom), 2013, 5, 495-509. | 1.3 | 24 |

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|---|---|---|---|
| 55 | Tight controlled expression and secretion of Lactobacillus brevis SlpA in Lactococcus lactis. Biotechnology Letters, 2012, 34, 1275-1281. | 2.2 | 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 | Rubrivivaxin, a new cytotoxic and cyclooxygenase-I inhibitory metabolite from Rubrivivax benzoatilyticus JA2. World Journal of Microbiology and Biotechnology, 2011, 27, 11-16. | 3.6 | 13 |
| 58 | Production of Phenols and Alkyl Gallate Esters by Rhodobacter sphaeroides OU5. Current Microbiology, 2010, 60, 107-111. | 2.2 | 7 |
| 59 | l-Tryptophan catabolism by Rubrivivax benzoatilyticus JA2 occurs through indole 3-pyruvic acid pathway. Biodegradation, 2010, 21, 825-832. | 3.0 | 15 |
| 60 | Light-Dependent Transformation of Aniline to Indole Esters by the Purple Bacterium Rhodobacter sphaeroides OU5. Current Microbiology, 2006, 52, 413-417. | 2.2 | 16 |
| 61 | Emerging role of pioneer transcription factors in targeted ERÎ± positive breast cancer. Exploration of Targeted Anti-tumor Therapy, 0, , . | 0.8 | 1 |