

Kamal Dev

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

959
citations

393982

19
h-index

500791

28
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58
all docs

58
docs citations

58
times ranked

964
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled release of antibiotic amoxicillin drug using carboxymethyl cellulose-cl-poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj	3.6	79
2	<i>In silico</i> screening of hundred phytochemicals of ten medicinal plants as potential inhibitors of nucleocapsid phosphoprotein of COVID-19: an approach to prevent virus assembly. Journal of Biomolecular Structure and Dynamics, 2021, 39, 7017-7034.	2.0	69
3	Traditional uses, bioactive composition, pharmacology, and toxicology of <i>Phyllanthus emblica</i> fruits: A comprehensive review. Journal of Ethnopharmacology, 2022, 282, 114570.	2.0	69
4	Synergistic potential of <i>Citrus aurantium</i> L. essential oil with antibiotics against <i>Candida albicans</i> . Journal of Ethnopharmacology, 2020, 262, 113135.	2.0	58
5	Phytochemicals of <i>Rheum emodi</i> , <i>Thymus serpyllum</i> , and <i>Artemisia annua</i> Inhibit Spike Protein of SARS-CoV-2 Binding to ACE2 Receptor: In Silico Approach. Current Pharmacology Reports, 2021, 7, 135-149.	1.5	50
6	Comparative evaluation of antimicrobial and antioxidant potential of ethanolic extract and its fractions of bark and leaves of <i>Terminalia arjuna</i> from north-western Himalayas, India. Journal of Traditional and Complementary Medicine, 2018, 8, 100-106.	1.5	41
7	The $\hat{G}cd7$ Subunit of Eukaryotic Translation Initiation Factor 2B (eIF2B), a Guanine Nucleotide Exchange Factor, Is Crucial for Binding eIF2 <i>In Vivo</i> . Molecular and Cellular Biology, 2010, 30, 5218-5233.	1.1	35
8	Archaeal eIF2B Interacts with Eukaryotic Translation Initiation Factors eIF2 $\hat{I}\pm$ and eIF2B $\hat{I}\pm$: Implications for eIF2B Function and eIF2B Regulation. Journal of Molecular Biology, 2009, 392, 701-722.	2.0	34
9	Applications of red pigments from psychrophilic <i>Rhodospirillum rubrum</i> GL8 in health, food and antimicrobial finishes on textiles. Process Biochemistry, 2020, 94, 15-29.	1.8	32
10	Bioassay guided fractionation of rhizome extract of <i>Rheum emodi</i> wall as bio-availability enhancer of antibiotics against bacterial and fungal pathogens. Journal of Ethnopharmacology, 2020, 257, 112867.	2.0	31
11	Isolation and characterization of salt-tolerant bacteria with plant growth-promoting activities from saline agricultural fields of Haryana, India. Journal of Genetic Engineering and Biotechnology, 2021, 19, 99.	1.5	31
12	A diverse group of halophilic bacteria exist in Lunsu, a natural salt water body of Himachal Pradesh, India. SpringerPlus, 2015, 4, 274.	1.2	28
13	Distinct Osmoadaptation Strategies in the Strict Halophilic and Halotolerant Bacteria Isolated from Lunsu Salt Water Body of North West Himalayas. Current Microbiology, 2018, 75, 888-895.	1.0	24
14	Molecular docking studies of phytochemicals of <i>Rheum emodi</i> Wall with proteins responsible for antibiotic resistance in bacterial and fungal pathogens: <i>In silico</i> approach to enhance the bio-availability of antibiotics. Journal of Biomolecular Structure and Dynamics, 2022, 40, 3789-3803.	2.0	24
15	Halophilic Bacteria of Lunsu Produce an Array of Industrially Important Enzymes with Salt Tolerant Activity. Biochemistry Research International, 2016, 2016, 1-10.	1.5	23
16	Antiviral activity of bioactive phytochemicals against coronavirus: An update. Journal of Virological Methods, 2021, 290, 114070.	1.0	23
17	Role of medicinal plants from North Western Himalayas as an efflux pump inhibitor against MDR AcrAB-TolC <i>Salmonella enterica</i> serovar typhimurium: In vitro and In silico studies. Journal of Ethnopharmacology, 2022, 282, 114589.	2.0	23
18	<i>Thalictrum foliolosum</i> : A lesser unexplored medicinal herb from the Himalayan region as a source of valuable benzyl isoquinoline alkaloids. Journal of Ethnopharmacology, 2020, 255, 112736.	2.0	22

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19	Combination between antibacterial and antifungal antibiotics with phytochemicals of <i>Artemisia annua</i> L: A strategy to control drug resistance pathogens. <i>Journal of Ethnopharmacology</i> , 2021, 266, 113420.	2.0	22
20	<i>In vitro</i> and <i>in silico</i> analysis of <i>Thymus serpyllum</i> essential oil as bioactivity enhancer of antibacterial and antifungal agents. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 10383-10402.	2.0	20
21	Functions of Polo-Like Kinases: A Journey From Yeast To Humans. <i>Protein and Peptide Letters</i> , 2016, 23, 185-197.	0.4	19
22	Altitudinal variation in gallic acid content in fruits of <i>Phyllanthus emblica</i> L. and its correlation with antioxidant and antimicrobial activity. <i>Vegetos</i> , 2019, 32, 387-396.	0.8	18
23	Synergistic potential of essential oils with antibiotics to combat fungal pathogens: Present status and future perspectives. <i>Phytotherapy Research</i> , 2021, 35, 6089-6100.	2.8	17
24	Evaluation of Methods for Inoculating Dry Powder Foods with <i>Salmonella enterica</i> , <i>Enterococcus faecium</i> , or <i>Cronobacter sakazakii</i> . <i>Journal of Food Protection</i> , 2019, 82, 1082-1088.	0.8	16
25	Methylxanthines as Potential Inhibitor of SARS-CoV-2: an <i>In Silico</i> Approach. <i>Current Pharmacology Reports</i> , 2022, 8, 149-170.	1.5	15
26	Comparative Antioxidant Potential of Bark and Leaves of <i>Terminalia arjuna</i> (Roxb) Wight & Arn from Himachal Pradesh. <i>International Journal of Pharmaceutical and Phytopharmacological Research</i> , 2017, 6, 27.	0.1	12
27	<i>Thalictrum foliolosum</i> DC: An unexplored medicinal herb from north western Himalayas with potential against fungal pathogens and scavenger of reactive oxygen species. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 26, 101621.	1.5	11
28	Sequential Fractionation by Organic Solvents Enhances the Antioxidant and Antibacterial Activity of Ethanolic Extracts of Fruits and Leaves of <i>Terminalia bellerica</i> from North Western Himalayas, India. <i>Pharmacognosy Journal</i> , 2019, 11, 94-101.	0.3	11
29	16S rRNA Gene Amplicon Data Set-Based Bacterial Diversity in a Water-Soil Sample from Pangong Tso Lake, a High-Altitude Crassland Lake of the Northwest Himalayas. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.3	10
30	<i>In vitro</i> and <i>in silico</i> antioxidant and anti-inflammatory potential of essential oil of <i>Cymbopogon citratus</i> (DC.) Stapf. of North-Western Himalaya. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 14131-14145.	2.0	10
31	Hydrogel composite containing azelaic acid and tea tree essential oil as a therapeutic strategy for <i>Propionibacterium</i> and testosterone-induced acne. <i>Drug Delivery and Translational Research</i> , 2022, 12, 2501-2517.	3.0	9
32	Transformation in Heterokaryons of <i>Neurospora crassa</i> Is Nuclear Rather Than Cellular Phenomenon. <i>Current Microbiology</i> , 2002, 44, 309-313.	1.0	7
33	Bioassay Guided Fractionation of Phytochemicals from <i>Bergenia ligulata</i> : A synergistic approach to treat drug resistant bacterial and fungal pathogens. <i>Pharmacological Research Modern Chinese Medicine</i> , 2022, 3, 100076.	0.5	7
34	Subcellular localization based comparative study on radioresistant bacteria: A novel approach to mine proteins involve in radioresistance. <i>Computational Biology and Chemistry</i> , 2017, 69, 1-9.	1.1	5
35	Comparative analysis of phytochemicals, antimicrobial and antioxidant activity of different species of <i>Terminalia</i> from Himachal Pradesh, India. <i>Vegetos</i> , 2021, 34, 528-539.	0.8	5
36	Antihypertensive activity of phytochemicals from selected medicinal plants via inhibition of angiotensin-converting enzyme (ACE) protein: an <i>in-silico</i> approach. <i>Natural Product Research</i> , 2022, 36, 4526-4529.	1.0	5

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37	Draft Genome Sequence of Hyperthermophilic, Halotolerant Parageobacillus toebii PW12, Isolated from the Tattapani Hot Spring, Northwest Himalayas. Microbiology Resource Announcements, 2019, 8, .	0.3	4
38	Characterization of Thermally Stable β -Galactosidase from Anoxybacillus flavithermus and Bacillus licheniformis Isolated from Tattapani Hotspring of North Western Himalayas, India. International Journal of Current Microbiology and Applied Sciences, 2019, 8, 2517-2542.	0.0	4
39	Methanolic Extracts of the Rhizome of <i>R. emodi</i> ; Act as Bioenhancer of Antibiotics against Bacteria and Fungi and Antioxidant Potential. Medicinal Plant Research, 0, , .	0.0	4
40	Silencing of Hygromycin Phosphotransferase (hph) Gene During Sexual Cycle and Its Reversible Inactivation in Heterokaryon of Neurospora crassa. Current Microbiology, 2003, 47, 220-225.	1.0	3
41	Endoglucanase gene of M42 aminopeptidase/endoglucanase family from thermophilic Bacillus sp. PW1 and PW2 isolated from Tattapani hot spring, Himachal Pradesh, India. Journal of Genetic Engineering and Biotechnology, 2019, 17, 4.	1.5	3
42	Comparison of Phytochemicals, Antioxidant, and Antimicrobial Activities of <i>in Vitro</i> Propagated and Wild Grown <i>Potentilla Nepalensis</i> , an Endemic Medicinal Plant from North Western Himalayas. Journal of Herbs, Spices and Medicinal Plants, 2022, 28, 324-336.	0.5	3
43	Role of Saccharomyces cerevisiae TAN1 (tRNA acetyltransferase) in eukaryotic initiation factor 2B (eIF2B)-mediated translation control and stress response. 3 Biotech, 2017, 7, 223.	1.1	2
44	Draft Genome Sequence of Halobacillus trueperi SS1, Isolated from Lunsu, a Saltwater Body in the Northwest Himalayas. Microbiology Resource Announcements, 2019, 8, .	0.3	2
45	Saccharomyces cerevisiae polo-like kinase, Cdc5 exhibits ATP-dependent Mg ²⁺ -enhanced kinase activity in vitro. Heliyon, 2019, 5, e03050.	1.4	2
46	Isolation of gene conferring salt tolerance from halophilic bacteria of Lunsu, Himachal Pradesh, India. Journal of Genetic Engineering and Biotechnology, 2020, 18, 57.	1.5	2
47	Saccharomyces cerevisiae ER membrane protein complex subunit 4 (EMC4) plays a crucial role in eIF2B-mediated translation regulation and survival under stress conditions. Journal of Genetic Engineering and Biotechnology, 2020, 18, 15.	1.5	2
48	Development and evaluation of hydrogel formulation comprising essential oil of Mentha longifolia L. for oral candidiasis. Advances in Traditional Medicine, 2023, 23, 777-787.	1.0	2
49	Traditional Medicinal Plants of Higher Altitude of Himachal Pradesh as Functional Food Ingredient Cum Food Preservative and Bioavailability Enhancer of Antifungal Antibiotics. SSRN Electronic Journal, 2018, , .	0.4	1
50	Draft Genome Sequence of <i>Candidatus Arthromitus</i> UMNCA01, a Suspected Commensal Isolated from the Gut Microbiome of Commercial Turkey. Microbiology Resource Announcements, 2020, 9, .	0.3	1
51	Comparative Phytochemicals and Antioxidant activity of various Solvent extracts of Zanthoxylum armatum leaves from different Geographical regions of Himachal Pradesh and their correlation analysis. Research Journal of Pharmacy and Technology, 2021, , 2270-2276.	0.2	1
52	Generation of an inducible system to express polo-like kinase, Cdc5 as TAP fusion protein during meiosis in Saccharomyces cerevisiae. 3 Biotech, 2016, 6, 185.	1.1	0
53	Genetic diversity in Terminalia arjuna from the North Western region of Himachal Pradesh, India. Ecological Genetics and Genomics, 2021, 21, 100100.	0.3	0
54	Polo-like Kinase (PLK). , 2017, , 1-7.		0

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55	Polo-Like Kinase (PLK). , 2018, , 4100-4106.		0
56	Molecular evolution of Thermophilic Geobacillus species isolated from Tattapani Hotspring (India) and the Worldwide Distribution. Current Trends in Biotechnology and Pharmacy, 2020, 14, 16-32.	0.3	0