

Rajinder K Gupta

List of Publications by Year in descending order

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36
papers

2,153
citations

304743

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35
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all docs

36
docs citations

36
times ranked

3034
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial Chitinases: Properties and Potential. <i>Critical Reviews in Biotechnology</i> , 2007, 27, 21-28.	9.0	344
2	Dragon's blood: Botany, chemistry and therapeutic uses. <i>Journal of Ethnopharmacology</i> , 2008, 115, 361-380.	4.1	261
3	Rare actinomycetes: a potential storehouse for novel antibiotics. <i>Critical Reviews in Biotechnology</i> , 2012, 32, 108-132.	9.0	223
4	Biosensors for pathogen detection: A smart approach towards clinical diagnosis. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 385-404.	7.8	147
5	Natural gums of plant origin as edible coatings for food industry applications. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 959-973.	9.0	106
6	Chitinases: in agriculture and human healthcare. <i>Critical Reviews in Biotechnology</i> , 2014, 34, 215-232.	9.0	102
7	Synthesis of novel amino and acetyl amino-4-methylcoumarins and evaluation of their antioxidant activity. <i>European Journal of Medicinal Chemistry</i> , 2005, 40, 413-420.	5.5	97
8	Diversity and isolation of rare actinomycetes: an overview. <i>Critical Reviews in Microbiology</i> , 2013, 39, 256-294.	6.1	96
9	Allenic germacranolides, bourbonene derived lactones and other constituents from <i>Vernonia</i> species. <i>Phytochemistry</i> , 1981, 20, 473-480.	2.9	67
10	Biocontrol of wood-rotting fungi with <i>Streptomyces violaceusniger</i> XL-2. <i>Canadian Journal of Microbiology</i> , 2006, 52, 805-808.	1.7	65
11	Chitosan-iron oxide nano-composite platform for mismatch-discriminating DNA hybridization for <i>Neisseria gonorrhoeae</i> detection causing sexually transmitted disease. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2967-2974.	10.1	65
12	Purification and characterization of an extracellular chitinase from antagonistic <i>Streptomyces violaceusniger</i> . <i>Journal of Basic Microbiology</i> , 2013, 53, 429-439.	3.3	52
13	Nanobiocomposite platform based on polyaniline-iron oxide-carbon nanotubes for bacterial detection. <i>Bioelectrochemistry</i> , 2012, 86, 30-37.	4.6	51
14	Bioprotective properties of Dragon's blood resin: In vitro evaluation of antioxidant activity and antimicrobial activity. <i>BMC Complementary and Alternative Medicine</i> , 2011, 11, 13.	3.7	50
15	Biotransformation of coal by ligninolytic <i>Streptomyces</i> . <i>Canadian Journal of Microbiology</i> , 1988, 34, 667-674.	1.7	39
16	Depolymerization and chemical modification of lignite coal by <i>Pseudomonas cepacia</i> strain DLC-07. <i>Applied Biochemistry and Biotechnology</i> , 1990, 24-25, 899-911.	2.9	35
17	Isolation and characterization of chitinolytic <i>Streptomyces</i> sp. MT7 and its antagonism towards wood-rotting fungi. <i>Annals of Microbiology</i> , 2014, 64, 531-541.	2.6	31
18	Fungal cell-wall lytic enzymes, antifungal metabolite(s) production, and characterization from <i>Streptomyces exfoliatus</i> MT9 for controlling fruit-rotting fungi. <i>Journal of Basic Microbiology</i> , 2014, 54, 1295-1309.	3.3	28

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19	Mycolytic enzymes produced by <i>Streptomyces violaceusniger</i> and their role in antagonism towards wood-rotting fungi. <i>Journal of Basic Microbiology</i> , 2014, 54, 397-407.	3.3	28
20	DNA biosensor for detection of <i>Neisseria gonorrhoeae</i> causing sexually transmitted disease. <i>Journal of Biotechnology</i> , 2010, 150, 357-365.	3.8	27
21	Culturable bioactive actinomycetes from the Great Indian Thar Desert. <i>Annals of Microbiology</i> , 2015, 65, 1901-1914.	2.6	26
22	Three germacranolides and other constituents from <i>Eremanthus</i> species. <i>Phytochemistry</i> , 1981, 20, 1609-1612.	2.9	24
23	Eudesmanolides and heliangolides from <i>Calea rotundifolia</i> . <i>Phytochemistry</i> , 1981, 20, 1635-1637.	2.9	22
24	Biological control of toxigenic citrus and papaya-rotting fungi by <i>Streptomyces violascens</i> MT7 and its extracellular metabolites. <i>Journal of Basic Microbiology</i> , 2015, 55, 1343-1356.	3.3	20
25	Hirsutinolides from <i>Vernonia</i> species. <i>Phytochemistry</i> , 1981, 20, 2233-2237.	2.9	19
26	Fabrication of <i>Neisseria gonorrhoeae</i> biosensor based on chitosan-MWCNT platform. <i>Thin Solid Films</i> , 2010, 519, 1135-1140.	1.8	19
27	Furanoheliangolides and other compounds from <i>Calea hymenolepis</i> . <i>Phytochemistry</i> , 1982, 21, 2045-2048.	2.9	18
28	Influence of cultural parameters on the depolymerization of a soluble lignite coal polymer by <i>Pseudomonas cepacia</i> DLC-07. <i>Resources, Conservation and Recycling</i> , 1991, 5, 245-254.	10.8	17
29	Characterization of extracellular bacterial enzymes which depolymerize a soluble lignite coal polymer. <i>Fuel</i> , 1991, 70, 577-580.	6.4	17
30	Furanoheliangolides and farnesol derivatives from <i>Calea hispida</i> . <i>Phytochemistry</i> , 1980, 21, 2899-2903.	2.9	16
31	Two furanoheliangolides from <i>Calea angusta</i> . <i>Phytochemistry</i> , 1982, 21, 2117-2118.	2.9	13
32	Identification and molecular docking analysis of active ingredients with medicinal properties from edible <i>Baccaurea sapida</i> . <i>Bioinformation</i> , 2015, 11, 437-443.	0.5	10
33	Phylogenetic analysis of cyanobacterial strains of genus <i>Calothrix</i> by single and multiplex randomly amplified polymorphic DNA-PCR. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 927-935.	3.6	8
34	Bioactive Metabolites from Rare Actinomycetes. <i>Studies in Natural Products Chemistry</i> , 2014, , 419-512.	1.8	7
35	Antimicrobial Investigation of <i>Linum usitatissimum</i> for the Treatment of Acne. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100601.	0.5	3
36	Synthesis of Novel Amino- and Acetylamino-4-methylcoumarins and Evaluation of Their Antioxidant Activity. <i>ChemInform</i> , 2005, 36, no.	0.0	0