

Sanjay Swarup

List of Publications by Year in descending order

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88
papers

4,579
citations

136740

32
h-index

106150

65
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98
all docs

98
docs citations

98
times ranked

7795
citing authors

#	ARTICLE	IF	CITATIONS
1	Glycine Decarboxylase Activity Drives Non-Small Cell Lung Cancer Tumor-Initiating Cells and Tumorigenesis. <i>Cell</i> , 2012, 148, 259-272.	13.5	593
2	Systems Biology and Multi-Omics Integration: Viewpoints from the Metabolomics Research Community. <i>Metabolites</i> , 2019, 9, 76.	1.3	387
3	Enhancement of Plant-Microbe Interactions Using a Rhizosphere Metabolomics-Driven Approach and Its Application in the Removal of Polychlorinated Biphenyls. <i>Plant Physiology</i> , 2003, 132, 146-153.	2.3	263
4	Inhibition of bacterial cell division protein FtsZ by cinnamaldehyde. <i>Biochemical Pharmacology</i> , 2007, 74, 831-840.	2.0	213
5	Berberine Targets Assembly of Escherichia coli Cell Division Protein FtsZ. <i>Biochemistry</i> , 2008, 47, 3225-3234.	1.2	209
6	An <i>Xanthomonas citri</i> Pathogenicity Gene, <i>xpthA</i> , Pleiotropically Encodes Gratuitous Avirulence on Nonhosts. <i>Molecular Plant-Microbe Interactions</i> , 1992, 5, 204.	1.4	189
7	The Cyclic Nucleotide Monophosphate Domain of <i>Xanthomonas campestris</i> Global Regulator Clp Defines a New Class of Cyclic Di-GMP Effectors. <i>Journal of Bacteriology</i> , 2010, 192, 1020-1029.	1.0	179
8	A Pathogenicity Locus from <i>Xanthomonas citri</i> Enables Strains from Several Pathovars of <i>X. campestris</i> to Elicit Cankerlike Lesions on Citrus. <i>Phytopathology</i> , 1991, 81, 802.	1.1	153
9	The draft genome of tropical fruit durian (<i>Durio zibethinus</i>). <i>Nature Genetics</i> , 2017, 49, 1633-1641.	9.4	150
10	A fungal monooxygenase-derived jasmonate attenuates host innate immunity. <i>Nature Chemical Biology</i> , 2015, 11, 733-740.	3.9	128
11	Ser/Thr/Tyr phosphoproteome analysis of pathogenic and non-pathogenic <i>Pseudomonas</i> species. <i>Proteomics</i> , 2009, 9, 2764-2775.	1.3	107
12	Detection and Preliminary Analysis of Motifs in Promoters of Anaerobically Induced Genes of Different Plant Species. <i>Annals of Botany</i> , 2005, 96, 669-681.	1.4	102
13	Extracellular Electron Transfer Powers <i>Enterococcus faecalis</i> Biofilm Metabolism. <i>MBio</i> , 2018, 9, .	1.8	96
14	MorA Defines a New Class of Regulators Affecting Flagellar Development and Biofilm Formation in Diverse <i>Pseudomonas</i> Species. <i>Journal of Bacteriology</i> , 2004, 186, 7221-7228.	1.0	93
15	Elucidation of the Flavonoid Catabolism Pathway in <i>Pseudomonas putida</i> PML2 by Comparative Metabolic Profiling. <i>Applied and Environmental Microbiology</i> , 2002, 68, 143-151.	1.4	76
16	A Scalable Protocol for the Isolation of Large-Sized Genomic DNA within an Hour from Several Bacteria. <i>Analytical Biochemistry</i> , 2000, 278, 86-90.	1.1	74
17	Quorum sensing modulation of a putative glycosyltransferase gene cluster essential for <i>Xanthomonas campestris</i> biofilm formation. <i>Environmental Microbiology</i> , 2010, 12, 3159-3170.	1.8	67
18	Metagenomics Reveals the Influence of Land Use and Rain on the Benthic Microbial Communities in a Tropical Urban Waterway. <i>MSystems</i> , 2018, 3, .	1.7	63

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19	Reactive oxygen species drive evolution of pro-biofilm variants in pathogens by modulating cyclic-di-GMP levels. <i>Open Biology</i> , 2016, 6, 160162.	1.5	62
20	Keystone Species in Pregnancy Gingivitis: A Snapshot of Oral Microbiome During Pregnancy and Postpartum Period. <i>Frontiers in Microbiology</i> , 2018, 9, 2360.	1.5	59
21	Bacterial Tethering Analysis Reveals a "Run-Reverse-Turn" Mechanism for <i>Pseudomonas</i> Species Motility. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4734-4743.	1.4	57
22	Metabolomics and its role in understanding cellular responses in plants. <i>Plant Cell Reports</i> , 2005, 24, 562-571.	2.8	55
23	Determinants of the high-methionine trait in wild and exotic germplasm may have escaped selection during early cultivation of maize. <i>Plant Journal</i> , 1995, 8, 359-368.	2.8	54
24	Ecogenomics Reveals Metals and Land-Use Pressures on Microbial Communities in the Waterways of a Megacity. <i>Environmental Science & Technology</i> , 2015, 49, 1462-1471.	4.6	53
25	The nonenzymatic subunit of pseutarin C, a prothrombin activator from eastern brown snake (<i>Pseudonaja textilis</i>) venom, shows structural similarity to mammalian coagulation factor V. <i>Blood</i> , 2003, 102, 1347-1354.	0.6	52
26	Synthesis and in vitro antiproliferative activity of novel 1-benzhydrylpiperazine derivatives against human cancer cell lines. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 1223-1229.	2.6	48
27	Coordinate Regulation of Metabolite Glycosylation and Stress Hormone Biosynthesis by TT8 in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2016, 171, 2499-2515.	2.3	45
28	Molecular characterization of an operon, cueAR, encoding a putative P1-type ATPase and a MerR-type regulatory protein involved in copper homeostasis in <i>Pseudomonas putida</i> The GenBank accession number for the sequence reported in this paper is AF390440.. <i>Microbiology (United Kingdom)</i> , 2002, 148, 2857-2867.	0.7	45
29	Microbial and metabolic profiling reveal strong influence of water table and land-use patterns on classification of degraded tropical peatlands. <i>Biogeosciences</i> , 2014, 11, 1727-1741.	1.3	42
30	Impacts of peat-forest smoke on urban PM2.5 in the Maritime Continent during 2012-2015: Carbonaceous profiles and indicators. <i>Environmental Pollution</i> , 2019, 248, 496-505.	3.7	40
31	The catalytic subunit of pseutarin C, a group C prothrombin activator from the venom of <i>Pseudonaja textilis</i> , is structurally similar to mammalian blood coagulation factor Xa. <i>Thrombosis and Haemostasis</i> , 2004, 92, 509-521.	1.8	39
32	Molecular evolution caught in action: gene duplication and evolution of molecular isoforms of prothrombin activators in <i>Pseudonaja textilis</i> (brown snake). <i>Journal of Thrombosis and Haemostasis</i> , 2006, 4, 1346-1353.	1.9	36
33	MetDAT: a modular and workflow-based free online pipeline for mass spectrometry data processing, analysis and interpretation. <i>Bioinformatics</i> , 2010, 26, 2639-2640.	1.8	33
34	Transcriptomics Analysis Reveals Putative Genes Involved in Biofilm Formation and Biofilm-associated Drug Resistance of <i>Enterococcus faecalis</i> . <i>Journal of Endodontics</i> , 2017, 43, 949-955.	1.4	33
35	Dragon Plant Biology Explorer. A Text-Mining Tool for Integrating Associations between Genetic and Biochemical Entities with Genome Annotation and Biochemical Terms Lists. <i>Plant Physiology</i> , 2005, 138, 1914-1925.	2.3	31
36	Data-Driven Optimization of Metabolomics Methods Using Rat Liver Samples. <i>Analytical Chemistry</i> , 2009, 81, 1315-1323.	3.2	29

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37	Using metaomics of contaminated sediments to monitor changes in pathways relevant to climate regulation. <i>Environmental Microbiology</i> , 2019, 21, 389-401.	1.8	27
38	Gene duplication of coagulation factor V and origin of venom prothrombin activator in <i>Pseudonaja textilis</i> snake. <i>Thrombosis and Haemostasis</i> , 2005, 93, 420-429.	1.8	26
39	Characterization of Plant Volatiles Reveals Distinct Metabolic Profiles and Pathways among 12 Brassicaceae Vegetables. <i>Metabolites</i> , 2018, 8, 94.	1.3	26
40	Converting Okara to Superabsorbent Hydrogels as Soil Supplements for Enhancing the Growth of Choy Sum (<i>Brassica</i> sp.) under Water-Limited Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9425-9433.	3.2	25
41	Structure of two genes encoding parallel prothrombin activators in <i>Tropidechis carinatus</i> snake: gene duplication and recruitment of factor X gene to the venom gland. <i>Journal of Thrombosis and Haemostasis</i> , 2007, 5, 117-126.	1.9	24
42	Combination of synchrotron radiation-based Fourier transforms infrared microspectroscopy and confocal laser scanning microscopy to understand spatial heterogeneity in aquatic multispecies biofilms. <i>Water Research</i> , 2014, 64, 123-133.	5.3	23
43	Kinetic and equilibrium study of the separation of propranolol enantiomers by high performance liquid chromatography on a chiral adsorbent. <i>Chemical Engineering Journal</i> , 1998, 69, 111-117.	6.6	22
44	High-frequency direct shoot regeneration and continuous production of rapid-cycling <i>Brassica oleracea</i> in vitro. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2001, 37, 592-598.	0.9	21
45	Freshwater Sediment Microbial Communities Are Not Resilient to Disturbance From Agricultural Land Runoff. <i>Frontiers in Microbiology</i> , 2020, 11, 539921.	1.5	21
46	Direct shoot formation and plant regeneration from cotyledon explants of rapid-cycling <i>Brassica rapa</i> . <i>In Vitro Cellular and Developmental Biology - Plant</i> , 1997, 33, 288-292.	0.9	20
47	The expression of <i>Brostm</i> , a <i>KNOTTED1</i> -like gene, marks the cell type and timing of in vitro shoot induction in <i>Brassica oleracea</i> . <i>Plant Molecular Biology</i> , 2001, 46, 567-580.	2.0	20
48	Synthesis and antiproliferative activity of substituted diazaspiro hydantoins: a structure-activity relationship study. <i>Investigational New Drugs</i> , 2009, 27, 131-139.	1.2	20
49	Chemical Modification of Biomass Okara Using Poly(acrylic acid) through Free Radical Graft Polymerization. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13241-13246.	2.4	18
50	Characterization of <i>copABCD</i> operon from a copper-sensitive <i>Pseudomonas putida</i> strain. <i>Canadian Journal of Microbiology</i> , 2005, 51, 209-216.	0.8	17
51	A mass spectrometry-based unique fragment approach for the identification of microcystins. <i>Analyst</i> , 2015, 140, 1198-1206.	1.7	17
52	Metabolomic profiles of tropical <i>Chlorella</i> and <i>Parachlorella</i> species in response to physiological changes during exponential and stationary growth phase. <i>Algal Research</i> , 2018, 35, 61-75.	2.4	17
53	910 metagenome-assembled genomes from the phytobiomes of three urban-farmed leafy Asian greens. <i>Scientific Data</i> , 2020, 7, 278.	2.4	17
54	A Novel Signaling Pathway Required for Arabidopsis Endodermal Root Organization Shapes the Rhizosphere Microbiome. <i>Plant and Cell Physiology</i> , 2021, 62, 248-261.	1.5	17

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55	Flagellin FlhC Phosphorylation Affects Type 2 Protease Secretion and Biofilm Dispersal in <i>Pseudomonas aeruginosa</i> PAO1. <i>PLoS ONE</i> , 2016, 11, e0164155.	1.1	17
56	Synthesis of novel 6-fluoro-3-(4-piperidinyl)-1,2-benzisoxazole derivatives as antiproliferative agents: A structure-activity relationship study. <i>Investigational New Drugs</i> , 2009, 27, 534-542.	1.2	16
57	Two parallel prothrombin activator systems in Australian rough-scaled snake, <i>Tropidechis carinatus</i> . <i>Thrombosis and Haemostasis</i> , 2005, 93, 40-47.	1.8	15
58	Global Regulator MorA Affects Virulence-Associated Protease Secretion in <i>Pseudomonas aeruginosa</i> PAO1. <i>PLoS ONE</i> , 2015, 10, e0123805.	1.1	15
59	The Promoter Signatures in Rice LEA Genes Can Be Used to Build a Co-expressing LEA Gene Network. <i>Rice</i> , 2008, 1, 177-187.	1.7	14
60	Metabolites and biological activities of <i>Phoenix dactylifera</i> L. pulp and seeds: A comparative MS and NMR based metabolomics approach. <i>Phytochemistry Letters</i> , 2019, 31, 20-32.	0.6	14
61	A bacterial quercetin oxidoreductase QuoA-mediated perturbation in the phenylpropanoid metabolic network increases lignification with a concomitant decrease in phenolamides in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2013, 64, 5183-5194.	2.4	13
62	Three-Detergent Method for the Extraction of RNA from Several Bacteria. <i>BioTechniques</i> , 1999, 27, 1140-1145.	0.8	12
63	A differentially expressed bZIP gene is associated with adventitious shoot regeneration in leaf cultures of <i>Paulownia kawakamii</i> . <i>Plant Cell Reports</i> , 2001, 20, 696-700.	2.8	11
64	¹ H-NMR-based metabolomics to investigate the effects of <i>Phoenix dactylifera</i> seed extracts in LPS-IFN- β -induced RAW 264.7 cells. <i>Food Research International</i> , 2019, 125, 108565.	2.9	11
65	Histological and protein changes during early stages of seed germination in the orchid, <i>Dendrobium crumenatum</i> . <i>The Journal of Horticultural Science</i> , 1997, 72, 941-948.	0.3	9
66	NMR metabolomics for evaluating passage number and harvesting effects on mammalian cell metabolome. <i>Analytical Biochemistry</i> , 2019, 576, 20-32.	1.1	9
67	Characterization of <i>Pseudomonas putida</i> genes responsive to nutrient limitation. <i>Microbiology (United Kingdom)</i> , 2004, 150, 1661-1669.	0.7	7
68	A geminivirus AYVW-derived shuttle vector for tobacco BY2 cells. <i>Plant Cell Reports</i> , 2004, 23, 81-90.	2.8	7
69	Gene Structures of Trocarin D and Coagulation Factor X, Two Functionally Diverse Prothrombin Activators from Australian Rough Scaled Snake. <i>Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research</i> , 2005, 34, 205-208.	0.5	7
70	Synthesis and in vitro antiproliferative activity of diphenyl(sulphonylpiperidin-4-yl)methanol derivatives. <i>Medicinal Chemistry Research</i> , 2010, 19, 220-235.	1.1	7
71	Plant Metabolomics: From Experimental Design to Knowledge Extraction. <i>Methods in Molecular Biology</i> , 2013, 1069, 279-312.	0.4	7
72	Bacterial diversity on different surfaces in urban freshwater. <i>Water Science and Technology</i> , 2012, 65, 1869-1874.	1.2	6

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73	Resource partitioning strategies during toxin production in <i>Microcystis aeruginosa</i> revealed by integrative omics analysis. <i>Algal Research</i> , 2019, 42, 101582.	2.4	6
74	Exonuclease-Based Subtractive Hybridization Approach to Isolate Differentially Expressed Genes from Leaf Cultures of <i>Paulownia kawakamii</i> . <i>Analytical Biochemistry</i> , 2001, 295, 240-247.	1.1	5
75	datPAV—an online processing, analysis and visualization tool for exploratory investigation of experimental data. <i>Bioinformatics</i> , 2011, 27, 1585-1586.	1.8	5
76	Rhizosphere Metabolomics: Methods and Applications. <i>Soil Biology</i> , 2008, , 37-68.	0.6	4
77	Microbial biofilms as one of the key elements in modulating ecohydrological processes in both natural and urban water corridors. <i>Ecohydrology and Hydrobiology</i> , 2016, 16, 33-38.	1.0	4
78	Plant Natural Products in the Rhizosphere. , 2006, , 143-164.		4
79	Bioinformatics and molecular biology for the quantification of closely related bacteria. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 6489-6502.	1.7	3
80	Hybrid Genome Assembly for Predicting Functional Potential of a Novel <i>Streptomyces</i> Strain as Plant Biomass Valorisation Agent. <i>Indian Journal of Microbiology</i> , 2021, 61, 283-290.	1.5	2
81	OVERVIEW OF TEXT-MINING IN LIFE-SCIENCES. Series on Advances in Bioinformatics and Computational Biology, 2005, , 687-694.	0.2	1
82	RhizoFlowCell system reveals early effects of micropollutants on aquatic plant rhizosphere. <i>Environmental Pollution</i> , 2015, 207, 205-210.	3.7	1
83	REGULATORY NETWORKS OF GENES AFFECTED BY MORA, A GLOBAL REGULATOR CONTAINING GGDEF AND EAL DOMAINS IN <i>PSEUDOMONAS AERUGINOSA</i> . , 2008, , .		0
84	Swimming Motility of Monotrichous <i>Pseudomonas Aeruginosa</i> . <i>Biophysical Journal</i> , 2011, 100, 306a-307a.	0.2	0
85	Molecular Biology of Plant Natural Products. , 2006, , 165-202.		0
86	Synthesis and In Vitro Antiproliferative Activity of Diphenyl(piperidin-4-yl)thioamide Methanol Derivatives. <i>Letters in Drug Design and Discovery</i> , 2008, 5, 454-461.	0.4	0
87	Ser/Thr/Tyr (S/T/Y) phosphorylation of flagellar motility protein (FliC) affects elastase secretion in <i>Pseudomonas aeruginosa</i> (PA01). <i>FASEB Journal</i> , 2013, 27, lb135.	0.2	0
88	Metabolomics of Microbial Biofilms. , 2017, , 163-192.		0