

Sumit G Gandhi

List of Publications by Year in descending order

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62
papers

2,248
citations

279487

23
h-index

223531

46
g-index

65
all docs

65
docs citations

65
times ranked

2932
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review of phytochemistry, pharmacology and toxicology of the genus <i>Aconitum</i> L.. <i>Advances in Traditional Medicine</i> , 2023, 23, 299-320.	1.0	8
2	Anti-phytopathogenic and plant growth promoting potential of endophytic fungi isolated from <i>Dysoxylum gotadhora</i> . <i>Archives of Phytopathology and Plant Protection</i> , 2022, 55, 454-473.	0.6	8
3	Plant growth promoting potential of butyl isobutyl phthalate and <i>Streptomyces</i> sp. from <i>Rumex dentatus</i> on rice. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 2603-2617.	1.7	8
4	Amelioration of Chromium-Induced Oxidative Stress by Combined Treatment of Selected Plant-Growth-Promoting Rhizobacteria and Earthworms via Modulating the Expression of Genes Related to Reactive Oxygen Species Metabolism in <i>Brassica juncea</i> . <i>Frontiers in Microbiology</i> , 2022, 13, 802512.	1.5	25
5	A machine learning-based approach to determine infection status in recipients of BBV152 (Covaxin) whole-virion inactivated SARS-CoV-2 vaccine for serological surveys. <i>Computers in Biology and Medicine</i> , 2022, 146, 105419.	3.9	8
6	Effects of Intermittent Drought on the Essential Oil Yield, Contents, and Nutrient Status of <i>Mentha longifolia</i> (L.) Huds.. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2022, 25, 626-638.	0.7	9
7	Overlapping targets exist between the Par-4 and miR-200c axis which regulate EMT and proliferation of pancreatic cancer cells. <i>Translational Oncology</i> , 2021, 14, 100879.	1.7	13
8	Plant aquaporins: A frontward to make crop plants drought resistant. <i>Physiologia Plantarum</i> , 2021, 172, 1089-1105.	2.6	30
9	Insights from a Pan India Sero-Epidemiological survey (Phenome-India Cohort) for SARS-CoV2. <i>ELife</i> , 2021, 10, .	2.8	21
10	Amelioration of Chlorpyrifos-Induced Toxicity in <i>Brassica juncea</i> L. by Combination of 24-Epibrassinolide and Plant-Growth-Promoting Rhizobacteria. <i>Biomolecules</i> , 2021, 11, 877.	1.8	11
11	Optimization and validation of RT-LAMP assay for diagnosis of SARS-CoV2 including the globally dominant Delta variant. <i>Virology Journal</i> , 2021, 18, 178.	1.4	17
12	Seed Priming with Jasmonic Acid Counteracts Root Knot Nematode Infection in Tomato by Modulating the Activity and Expression of Antioxidative Enzymes. <i>Biomolecules</i> , 2020, 10, 98.	1.8	26
13	Convergence of therapy-induced senescence (TIS) and EMT in multistep carcinogenesis: current opinions and emerging perspectives. <i>Cell Death Discovery</i> , 2020, 6, 51.	2.0	38
14	Evaluation of rohitukine-enriched fraction of <i>Dysoxylum binectariferum</i> Hook.f. (leaves) as anti-arthritic phytopharmaceutical candidate: Chemical standardization, in-vivo validation, formulation development and oral pharmacokinetics. <i>Journal of Ethnopharmacology</i> , 2020, 254, 112758.	2.0	6
15	Discovery of Helminthosporin, an Anthraquinone Isolated from <i>Rumex abyssinicus</i> Jacq as a Dual Cholinesterase Inhibitor. <i>ACS Omega</i> , 2020, 5, 1616-1624.	1.6	52
16	The Rise of Nutraceuticals: Overview and Future. <i>Ecoproduction</i> , 2020, , 67-92.	0.8	6
17	Biotechnology of Biofuels: Historical Overview, Business Outlook and Future Perspectives. <i>Ecoproduction</i> , 2020, , 109-127.	0.8	5
18	Par-4 mediated Smad4 induction in PDAC cells restores canonical TGF- β / Smad4 axis driving the cells towards lethal EMT. <i>European Journal of Cell Biology</i> , 2020, 99, 151076.	1.6	15

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19	Induction, Metabolite Analysis, and Transgenesis of Hairy Roots from <i>Coleus forskohlii</i> . <i>Rhizosphere Biology</i> , 2020, , 43-54.	0.4	0
20	Plant Volatile Organic Compounds and Neuroregenerative Health. , 2020, , 105-136.		1
21	Regulations for Health Care Biotechnology Products in Major Markets of the World. <i>Ecoproduction</i> , 2020, , 131-143.	0.8	0
22	Characterization of the gene encoding 4-coumarate:CoA ligase in <i>Coleus forskohlii</i> . <i>Journal of Plant Biochemistry and Biotechnology</i> , 2019, 28, 203-210.	0.9	11
23	Evaluation of the role of Rhizobacteria in controlling root knot nematode (RKN) infection in <i>Lycopersicon esculentum</i> plants by modulation in the secondary metabolite profiles. <i>AoB PLANTS</i> , 2019, , .	1.2	19
24	Role of plant growth promoting Bacteria (PGPRs) as biocontrol agents of <i>Meloidogyne incognita</i> through improved plant defense of <i>Lycopersicon esculentum</i> . <i>Plant and Soil</i> , 2019, 436, 325-345.	1.8	60
25	Rohitukine inhibits NF- κ B activation induced by LPS and other inflammatory agents. <i>International Immunopharmacology</i> , 2019, 69, 34-49.	1.7	12
26	Endophytes as a Source of High-Value Phytochemicals: Present Scenario and Future Outlook. <i>Reference Series in Phytochemistry</i> , 2019, , 571-590.	0.2	6
27	Endophytes as a Source of High-Value, Bioactive Metabolites. <i>Reference Series in Phytochemistry</i> , 2019, , 427-458.	0.2	2
28	Jasmonic acid application triggers detoxification of lead (Pb) toxicity in tomato through the modifications of secondary metabolites and gene expression. <i>Chemosphere</i> , 2019, 235, 734-748.	4.2	96
29	Indolylkojyl methane analogue IKM5 potentially inhibits invasion of breast cancer cells via attenuation of GRP78. <i>Breast Cancer Research and Treatment</i> , 2019, 177, 307-323.	1.1	21
30	Vimentin activation in early apoptotic cancer cells errands survival pathways during DNA damage inducer CPT treatment in colon carcinoma model. <i>Cell Death and Disease</i> , 2019, 10, 467.	2.7	28
31	Supplementation with plant growth promoting rhizobacteria (PGPR) alleviates cadmium toxicity in <i>Solanum lycopersicum</i> by modulating the expression of secondary metabolites. <i>Chemosphere</i> , 2019, 230, 628-639.	4.2	101
32	Role of P-type ATPase metal transporters and plant immunity induced by jasmonic acid against Lead (Pb) toxicity in tomato. <i>Ecotoxicology and Environmental Safety</i> , 2019, 174, 283-294.	2.9	49
33	Metal resistant PGPR lowered Cd uptake and expression of metal transporter genes with improved growth and photosynthetic pigments in <i>Lycopersicon esculentum</i> under metal toxicity. <i>Scientific Reports</i> , 2019, 9, 5855.	1.6	163
34	Synthetic Biology for Production of Commercially Important Natural Product Small Molecules. , 2019, , 189-205.		3
35	Endophytes as Source of High-Value Phytochemicals: Present Scenario and Future Outlook. <i>Reference Series in Phytochemistry</i> , 2019, , 1-20.	0.2	0
36	Plant growth promoting rhizobacteria induced Cd tolerance in <i>Lycopersicon esculentum</i> through altered antioxidative defense expression. <i>Chemosphere</i> , 2019, 217, 463-474.	4.2	81

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37	Endophytes as a Source of High-Value, Bioactive Metabolites. Reference Series in Phytochemistry, 2019, 1-32.	0.2	0
38	Discovery and Preclinical Development of IIM-290, an Orally Active Potent Cyclin-Dependent Kinase Inhibitor. Journal of Medicinal Chemistry, 2018, 61, 1664-1687.	2.9	39
39	Assessment of chemical and genetic variability in <i>Tanacetum gracile</i> accessions collected from cold desert of Western Himalaya. 3 Biotech, 2018, 8, 284.	1.1	1
40	Differential regulation of NM23-H1 under hypoxic and serum starvation conditions in metastatic cancer cells and its implication in EMT. European Journal of Cell Biology, 2017, 96, 164-171.	1.6	16
41	Epigenetic modifier induced enhancement of fumiquinazoline C production in <i>Aspergillus fumigatus</i> (GA-L7): an endophytic fungus from <i>Grewia asiatica</i> L.. AMB Express, 2017, 7, 43.	1.4	37
42	Inhibition of Twist1-mediated invasion by Chk2 promotes premature senescence in p53-defective cancer cells. Cell Death and Differentiation, 2017, 24, 1275-1287.	5.0	34
43	Revelation and cloning of valinomycin synthetase genes in <i>Streptomyces lavendulae</i> ACR-DA1 and their expression analysis under different fermentation and elicitation conditions. Journal of Biotechnology, 2017, 253, 40-47.	1.9	14
44	Alkyne-azide cycloaddition analogues of dehydrozingerone as potential anti-prostate cancer inhibitors via the PI3K/Akt/NF- κ B pathway. MedChemComm, 2017, 8, 2115-2124.	3.5	15
45	Mining and characterization of EST-SSR markers for <i>Zingiber officinale</i> Roscoe with transferability to other species of Zingiberaceae. Physiology and Molecular Biology of Plants, 2017, 23, 925-931.	1.4	9
46	Anti-inflammatory chromone alkaloids and glycoside from <i>Dysoxylum binectariferum</i> . Tetrahedron Letters, 2017, 58, 3974-3978.	0.7	32
47	Re-Validation of New Develop Highly Sensitive, Simple LCMS/MS Method for the Estimation of Rohitukine and its Application in ADME/Pre-Clinical Pharmacokinetics. Mass Spectrometry & Purification Techniques, 2017, 03, .	0.2	2
48	Mannitol Stress Directs Flavonoid Metabolism toward Synthesis of Flavones via Differential Regulation of Two Cytochrome P450 Monooxygenases in <i>Coleus forskohlii</i> . Frontiers in Plant Science, 2016, 7, 985.	1.7	21
49	<i>Drosophila maleless</i> gene counteracts X global aneuploid effects in males. FEBS Journal, 2016, 283, 3457-3470.	2.2	2
50	Cloning and expression analysis of chalcone synthase gene from <i>Coleus forskohlii</i> . Journal of Genetics, 2016, 95, 647-657.	0.4	44
51	A chromatography-free isolation of rohitukine from leaves of <i>Dysoxylum binectariferum</i> : Evaluation for in vitro cytotoxicity, Cdk inhibition and physicochemical properties. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3457-3463.	1.0	31
52	Plant Omics: Isolation, Identification, and Expression Analysis of Cytochrome P450 Gene Sequences from <i>Coleus forskohlii</i> . OMICS A Journal of Integrative Biology, 2015, 19, 782-792.	1.0	33
53	Production of rohitukine in leaves and seeds of <i>Dysoxylum binectariferum</i> : An alternate renewable resource. Pharmaceutical Biology, 2015, 53, 446-450.	1.3	24
54	Molecular cloning and functional characterization of an antifungal PR-5 protein from <i>Ocimum basilicum</i> . Gene, 2015, 558, 143-151.	1.0	50

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55	Changing trends in biotechnology of secondary metabolism in medicinal and aromatic plants. <i>Planta</i> , 2015, 241, 303-317.	1.6	103
56	Cloning and functional characterization of nitrilase from <i>Fusarium proliferatum</i> AUF-2 for detoxification of nitriles. <i>Functional and Integrative Genomics</i> , 2015, 15, 413-424.	1.4	10
57	<i>Drosophila</i> oncogene <i>Gas41</i> is an RNA interference modulator that intersects heterochromatin and the small interfering RNA pathway. <i>FEBS Journal</i> , 2015, 282, 153-173.	2.2	7
58	Development of chemical and EST-SSR markers for <i>Ocimum</i> genus. <i>Industrial Crops and Products</i> , 2015, 63, 65-70.	2.5	14
59	Capsaicin production by <i>Alternaria alternata</i> , an endophytic fungus from <i>Capsicum annum</i> ; LC-ESI-MS/MS analysis. <i>Phytochemistry</i> , 2014, 98, 183-189.	1.4	79
60	Development of chloroplast microsatellite markers for phylogenetic analysis in Brassicaceae. <i>Acta Biologica Hungarica</i> , 2012, 63, 463-473.	0.7	9
61	Analysis of SSR dynamics in chloroplast genomes of Brassicaceae family. <i>Bioinformatics</i> , 2010, 5, 16-20.	0.2	36
62	Heterochromatic Silencing and HP1 Localization in <i>Drosophila</i> Are Dependent on the RNAi Machinery. <i>Science</i> , 2004, 303, 669-672.	6.0	624