Sanjeev Kumar

List of Publications by Year
in descending order

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68 papers	2,789 citations	218592 26 h-index	182361 51 g-index
68 all docs	68 docs citations	68 times ranked	2980 citing authors

#	Article	IF	Citations
1	Bacillus sp. and arbuscular mycorrhizal fungi consortia enhance wheat nutrient and yield in the second-year field trial: Superior performance in comparison with chemical fertilizers. Journal of Applied Microbiology, 2022, 132, 2203-2219.	1.4	12
2	Ethnomycological study of wild edible and medicinal mushrooms in district Jammu, J&K (UT), India. Journal of Ethnobiology and Ethnomedicine, 2022, 18, 23.	1.1	8
3	Understanding cross-tolerance mechanism and effect of drought priming on individual heat stress and combinatorial heat and drought stress in chickpea. Journal of Crop Science and Biotechnology, 2022, 25, 515-533.	0.7	2
4	Unravelling cross priming induced heat stress, combinatorial heat and drought stress response in contrasting chickpea varieties. Plant Physiology and Biochemistry, 2022, 180, 91-105.	2.8	8
5	Pseudomonas citronellolis alleviates arsenic toxicity and maintains cellular homeostasis in chickpea (Cicer arietinum L.). Plant Physiology and Biochemistry, 2022, 184, 26-39.	2.8	5
6	Cross priming with drought improves heat-tolerance in chickpea (Cicer arietinum L.) by stimulating small heat shock proteins and antioxidative defense. Environmental Sustainability, 2021, 4, 171-182.	1.4	16
7	Priming alleviates high temperature induced oxidative DNA damage and repair using Apurinic/apyrimidinic endonuclease (Ape1L) homologue in wheat (Triticum aestivum L.). Plant Physiology and Biochemistry, 2020, 156, 304-313.	2.8	3
8	Pseudomonas citronellolis; a multi-metal resistant and potential plant growth promoter against arsenic (V) stress in chickpea. Plant Physiology and Biochemistry, 2019, 142, 179-192.	2.8	33
9	Cross-priming accentuates key biochemical and molecular indicators of defense and improves cold tolerance in chickpea (Cicer arietinum L.). Acta Physiologiae Plantarum, 2019, 41, 1.	1.0	10
10	Genome-wide identification, characterization and in-silico profiling of genes encoding FAD (fatty acid) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.4	12
11	Low temperatureâ€induced aberrations in male and female reproductive organ development cause flower abortion in chickpea. Plant, Cell and Environment, 2019, 42, 2075-2089.	2.8	31
12	Antioxidant potential of ganoderic acid in Notch-1 protein in neuroblastoma. Molecular and Cellular Biochemistry, 2019, 456, 1-14.	1.4	12
13	Tungsten disulfide nanoparticles anchored on reduced graphene oxide for dye sensitized solar cell applications. AIP Conference Proceedings, 2018, , .	0.3	1
14	Biochemical Characterization of Some Wild Edible Mushrooms from Jammu and Kashmir. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2018, 88, 539-545.	0.4	13
15	Ganoderic Acid A Targeting Î²-Catenin in Wnt Signaling Pathway: In Silico and In Vitro Study. Interdisciplinary Sciences, Computational Life Sciences, 2018, 10, 233-243.	2.2	16
16	Ganoderic acid, lanostanoid triterpene: a key player in apoptosis. Investigational New Drugs, 2018, 36, 136-143.	1.2	26
17	Vitex negundo and its medicinal value. Molecular Biology Reports, 2018, 45, 2925-2934.	1.0	42
18	Metformin inhibits human breast cancer cell growth by promoting apoptosis via a ROS-independent pathway involving mitochondrial dysfunction: pivotal role of superoxide dismutase (SOD). Cellular Oncology (Dordrecht), 2018, 41, 637-650.	2.1	74

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19	S961, a biosynthetic insulin receptor antagonist, downregulates insulin receptor expression & suppresses the growth of breast cancer cells. Indian Journal of Medical Research, 2018, 147, 545.	0.4	6
20	Uranium and other heavy toxic elements distribution in the drinking water samples of SW-Punjab, India. Journal of Radiation Research and Applied Sciences, 2017, 10, 13-19.	0.7	127
21	Improved Cl₂ sensing characteristics of reduced graphene oxide when decorated with copper phthalocyanine nanoflowers. RSC Advances, 2017, 7, 25229-25236.	1.7	37
22	Ganoderic acid targeting nuclear factor erythroid 2â€“related factor 2 in lung cancer. Tumor Biology, 2017, 39, 101042831769553.	0.8	10
23	Ganoderic acid modulating TNF and its receptors: in silico and in vitro study. Medicinal Chemistry Research, 2017, 26, 1336-1348.	1.1	6
24	Ganoderma lucidumtargeting lung cancer signaling: A review. Tumor Biology, 2017, 39, 101042831770743.	0.8	27
25	Drought and Heat Tolerance in Chickpea: Transcriptome and Morphophysiological Changes Under Individual and Combined Stress. , 2017, , 91-109.		3
26	Chemical Composition and Antiproliferative, Antioxidant, and Proapoptotic Effects of Fruiting Body Extracts of the Lingzhi or Reishi Medicinal Mushroom, Ganoderma lucidum (Agaricomycetes), from India. International Journal of Medicinal Mushrooms, 2016, 18, 599-607.	0.9	10
27	Missing link between microRNA and prostate cancer. Tumor Biology, 2016, 37, 5683-5704.	0.8	17
28	Alternate mild drought stress (â˜'0.1ÂMPa PEG) immunizes sensitive chickpea cultivar against lethal chilling by accentuating the defense mechanisms. Acta Physiologiae Plantarum, 2016, 38, 1.	1.0	9
29	Ganoderic acid targeting multiple receptors in cancer: in silico and in vitro study. Tumor Biology, 2016, 37, 14271-14290.	0.8	25
30	Identifying the preferred interaction mode of naringin with gold nanoparticles through experimental, DFT and TDDFT techniques: insights into their sensing and biological applications. RSC Advances, 2016, 6, 79470-79484.	1.7	21
31	Evaluating anti-oxidant potential of ganoderic acid A in STAT 3 pathway in prostate cancer. Molecular Biology Reports, 2016, 43, 1411-1422.	1.0	23
32	Triterpenes in cancer: significance and their influence. Molecular Biology Reports, 2016, 43, 881-896.	1.0	51
33	Misconstrued versatility of Ganoderma lucidum: a key player in multi-targeted cellular signaling. Tumor Biology, 2016, 37, 2789-2804.	0.8	26
34	Differential algorithms-assisted molecular modeling-based identification of mechanistic binding of ganoderic acids. Medicinal Chemistry Research, 2015, 24, 3483-3493.	1.1	16
35	The Optical and Chemical Response of Thermal Neutron-Irradiated CR-39 Polymeric Track Detector after Annealing. Polymer-Plastics Technology and Engineering, 2014, 53, 526-530.	1.9	2
36	Synthesis and xanthine oxidase inhibitory activity of 5,6-dihydropyrazolo/pyrazolo[1,5-c]quinazoline derivatives. Bioorganic Chemistry, 2014, 57, 57-64.	2.0	45

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37	An overview of chromosome and basic numbers diversity in cytologically investigated polypetalous genera from the Western Himalayas (India). Caryologia, 2014, 67, 1-24.	0.2	8
38	Cytogenetics of Four Species of Genus <i>Berberis</i> L. (Berberidaceae Juss.) from the Western Himalayas. Cytologia, 2014, 79, 111-117.	0.2	3
39	Synthesis of imine-pyrazolopyrimidinones and their mechanistic interventions on anticancer activity. Bioorganic and Medicinal Chemistry, 2013, 21, 5782-5793.	1.4	42
40	Î±-Tocopherol Application Modulates the Response of Wheat (Triticum aestivum L.) Seedlings to Elevated Temperatures by Mitigation of Stress Injury and Enhancement of Antioxidants. Journal of Plant Growth Regulation, 2013, 32, 307-314.	2.8	33
41	Impaired male meiosis, morphology and distribution pattern of different cytotypes of Bupleurum lanceolatum Wall. (Apiaceae) from the Western Himalayas. Plant Systematics and Evolution, 2013, 299, 1801-1807.	0.3	9
42	Cytology of five species of subfamily Papaveroideae from the Western Himalayas. Protoplasma, 2013, 250, 307-316.	1.0	33
43	Effect of varying high temperatures during reproductive growth on reproductive function, oxidative stress and seed yield in chickpea genotypes differing in heat sensitivity. Archives of Agronomy and Soil Science, 2013, 59, 823-843.	1.3	126
44	Cytological studies of Brassicaceae Burn. (Cruciferae Juss.) from Western Himalayas. Cytology and Genetics, 2013, 47, 20-28.	0.2	3
45	Meiotic Studies in Some Members of Caesalpiniaceae R. Br. from the Western Himalayas (India). Cytologia, 2013, 78, 383-390.	0.2	0
46	Abscisic acid induces heat tolerance in chickpea (Cicer arietinum L.) seedlings by facilitated accumulation of osmoprotectants. Acta Physiologiae Plantarum, 2012, 34, 1651-1658.	1.0	103
47	Indoor inhalation dose estimates due to radon and thoron in some areas of South-Western Punjab, India. Radiation Protection Dosimetry, 2012, 151, 112-116.	0.4	8
48	Cytological investigations of some polypetalous plants from District Sirmaur of Himachal Pradesh in the Western Himalayas, India. Chromosome Botany, 2012, 7, 87-96.	0.4	7
49	Comparative response of maize and rice genotypes to heat stress: status of oxidative stress and antioxidants. Acta Physiologiae Plantarum, 2012, 34, 75-86.	1.0	122
50	Additions to the cytologically investigated species of Potentilla L. (Rosaceae) from India. Plant Systematics and Evolution, 2012, 298, 485-497.	0.3	12
51	Risk Assessment for Natural Uranium in Subsurface Water of Punjab State, India. Human and Ecological Risk Assessment (HERA), 2011, 17, 381-393.	1.7	68
52	Involvement of proline in response of chickpea (Cicer arietinum L.) to chilling stress at reproductive stage. Scientia Horticulturae, 2011, 128, 174-181.	1.7	67
53	Exploration of Intraspecific Cytomorphological Diversity in Agrimonia eupatoria L. (Rosaceae) from Western Himalayas, India. Cytologia, 2011, 76, 81-88.	0.2	12
54	Evaluation of Cytomorphological Diversity in Filipendula vestita (Wall. ex G. Don) Maxim., (Rosaceae) from Western Himalayas. Cytologia, 2011, 76, 403-410.	0.2	6

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55	Assessment of natural radioactivity in soil samples and comparison of direct and indirect measurement of environmental air kerma rate. Journal of Radioanalytical and Nuclear Chemistry, 2011, 289, 885-892.	0.7	11
56	Promotion of Growth in Mungbean (Phaseolus aureus Roxb.) by Selenium is Associated with Stimulation of Carbohydrate Metabolism. Biological Trace Element Research, 2011, 143, 530-539.	1.9	85
57	Proline induces heat tolerance in chickpea (Cicer arietinum L.) plants by protecting vital enzymes of carbon and antioxidative metabolism. Physiology and Molecular Biology of Plants, 2011, 17, 203-213.	1.4	150
58	Cytomorphological studies of genus Saxifraga L. from Western Himalaya. Nucleus (India), 2011, 54, 77-83.	0.9	7
59	Growth and metabolic responses of contrasting chickpea (Cicer arietinum L.) genotypes to chilling stress at reproductive phase. Acta Physiologiae Plantarum, 2011, 33, 779-787.	1.0	64
60	Heat-stress induced inhibition in growth and chlorosis in mungbean (Phaseolus aureus Roxb.) is partly mitigated by ascorbic acid application and is related to reduction in oxidative stress. Acta Physiologiae Plantarum, 2011, 33, 2091-2101.	1.0	158
61	In situmeasurements of radon levels in water and soil and exhalation rate in areas of Malwa belt of Punjab (India). Isotopes in Environmental and Health Studies, 2011, 47, 446-455.	0.5	13
62	Cytomorphological Diversity in Some Species of Impatiens Linn. (Balsaminaceae) from Western Himalayas (India). Cytologia, 2010, 75, 379-387.	0.2	16
63	Cold stress effects on reproductive development in grain crops: An overview. Environmental and Experimental Botany, 2010, 67, 429-443.	2.0	491
64	Differential Sensitivity of Macrocarpa and Microcarpa Types of Chickpea (Cicer arietinum L.) to Water Stress: Association of Contrasting Stress Response with Oxidative Injury. Journal of Integrative Plant Biology, 2006, 48, 1318-1329.	4.1	24
65	Low temperature induced floral abortion in chickpea: relationship to abscisic acid and cryoprotectants in reproductive organs. Environmental and Experimental Botany, 2005, 53, 39-47.	2.0	125
66	Chilling stressed chickpea seedlings: effect of cold acclimation, calcium and abscisic acid on cryoprotective solutes and oxidative damage. Environmental and Experimental Botany, 2005, 54, 275-285.	2.0	93
67	Chilling effects during seed filling on accumulation of seed reserves and yield of chickpea. Journal of the Science of Food and Agriculture, 2005, 85, 1925-1930.	1.7	47
68	Glycine betaine mitigates cold stress damage in Chickpea. Agronomy for Sustainable Development, 2005, 25, 381-388.	2.2	58