# Sanjeev Kumar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7217850/publications.pdf

Version: 2024-02-01

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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 | Cold stress effects on reproductive development in grain crops: An overview. Environmental and Experimental Botany, 2010, 67, 429-443. | 2.0 | 491 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Glycine betaine mitigates cold stress damage in Chickpea. Agronomy for Sustainable Development, 2005, 25, 381-388. | 2.2 | 58 |
| 16 | Triterpenes in cancer: significance and their influence. Molecular Biology Reports, 2016, 43, 881-896. | 1.0 | 51 |
| 17 | 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 |
| 18 | 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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|---|---|---|---|
| 19 | Synthesis of imine-pyrazolopyrimidinones and their mechanistic interventions on anticancer activity. Bioorganic and Medicinal Chemistry, 2013, 21, 5782-5793. | 1.4 | 42 |
| 20 | Vitex negundo and its medicinal value. Molecular Biology Reports, 2018, 45, 2925-2934. | 1.0 | 42 |
| 21 | Improved Cl<sub>2</sub> sensing characteristics of reduced graphene oxide when decorated with copper phthalocyanine nanoflowers. RSC Advances, 2017, 7, 25229-25236. | 1.7 | 37 |
| 22 | 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 |
| 23 | Cytology of five species of subfamily Papaveroideae from the Western Himalayas. Protoplasma, 2013, 250, 307-316. | 1.0 | 33 |
| 24 | 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 |
| 25 | 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 |
| 26 | Ganoderma lucidumtargeting lung cancer signaling: A review. Tumor Biology, 2017, 39, 101042831770743. | 0.8 | 27 |
| 27 | Misconstrued versatility of Ganoderma lucidum: a key player in multi-targeted cellular signaling. Tumor Biology, 2016, 37, 2789-2804. | 0.8 | 26 |
| 28 | Ganoderic acid, lanostanoid triterpene: a key player in apoptosis. Investigational New Drugs, 2018, 36, 136-143. | 1.2 | 26 |
| 29 | Ganoderic acid targeting multiple receptors in cancer: in silico and in vitro study. Tumor Biology, 2016, 37, 14271-14290. | 0.8 | 25 |
| 30 | 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 |
| 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 | 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 |
| 33 | Missing link between microRNA and prostate cancer. Tumor Biology, 2016, 37, 5683-5704. | 0.8 | 17 |
| 34 | Cytomorphological Diversity in Some Species of Impatiens Linn. (Balsaminaceae) from Western Himalayas (India). Cytologia, 2010, 75, 379-387. | 0.2 | 16 |
| 35 | Differential algorithms-assisted molecular modeling-based identification of mechanistic binding of ganoderic acids. Medicinal Chemistry Research, 2015, 24, 3483-3493. | 1.1 | 16 |
| 36 | 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 |

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|---|---|---|---|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | Exploration of Intraspecific Cytomorphological Diversity in Agrimonia eupatoria L. (Rosaceae) from Western Himalayas, India. Cytologia, 2011, 76, 81-88. | 0.2 | 12 |
| 41 | Additions to the cytologically investigated species of Potentilla L. (Rosaceae) from India. Plant Systematics and Evolution, 2012, 298, 485-497. | 0.3 | 12 |
| 42 | 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 |
| 43 | Antioxidant potential of ganoderic acid in Notch-1 protein in neuroblastoma. Molecular and Cellular Biochemistry, 2019, 456, 1-14. | 1.4 | 12 |
| 44 | 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 |
| 45 | 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 |
| 46 | 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 |
| 47 | Ganoderic acid targeting nuclear factor erythroid 2â€“related factor 2 in lung cancer. Tumor Biology, 2017, 39, 101042831769553. | 0.8 | 10 |
| 48 | 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 |
| 49 | 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | 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 |

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|---|---|---|---|
| 55 | Cytomorphological studies of genus Saxifraga L. from Western Himalaya. Nucleus (India), 2011, 54, 77-83. | 0.9 | 7 |
| 56 | 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 |
| 57 | Evaluation of Cytomorphological Diversity in Filipendula vestita (Wall. ex G. Don) Maxim., (Rosaceae) from Western Himalayas. Cytologia, 2011, 76, 403-410. | 0.2 | 6 |
| 58 | Ganoderic acid modulating TNF and its receptors: in silico and in vitro study. Medicinal Chemistry Research, 2017, 26, 1336-1348. | 1.1 | 6 |
| 59 | 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 |
| 60 | 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 |
| 61 | Cytological studies of Brassicaceae Burn. (Cruciferae Juss.) from Western Himalayas. Cytology and Genetics, 2013, 47, 20-28. | 0.2 | 3 |
| 62 | Cytogenetics of Four Species of Genus <i>Berberis</i> L. (Berberidaceae Juss.) from the Western Himalayas. Cytologia, 2014, 79, 111-117. | 0.2 | 3 |
| 63 | 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 |
| 64 | Drought and Heat Tolerance in Chickpea: Transcriptome and Morphophysiological Changes Under Individual and Combined Stress. , 2017, , 91-109. | | 3 |
| 65 | 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 |
| 66 | 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 |
| 67 | Tungsten disulfide nanoparticles anchored on reduced graphene oxide for dye sensitized solar cell applications. AIP Conference Proceedings, 2018, , . | 0.3 | 1 |
| 68 | Meiotic Studies in Some Members of Caesalpiniaceae R. Br. from the Western Himalayas (India). Cytologia, 2013, 78, 383-390. | 0.2 | 0 |