

Ashok Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,828
citations

394421

19
h-index

477307

29
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30
all docs

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docs citations

30
times ranked

2524
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Ultraviolet-B Radiation Stress-Induced Toxicity and Alterations in Proteome of <i>Deinococcus radiodurans</i> . <i>Microbial Physiology</i> , 2021, 31, 1-15. | 2.4 | 9 |
| 2 | Cyanobacteria: Applications in Biotechnology. , 2019, , 327-346. | | 26 |
| 3 | Proteomic evidences for microcystin-RR-induced toxicological alterations in mice liver. <i>Scientific Reports</i> , 2018, 8, 1310. | 3.3 | 10 |
| 4 | Isolation of pyomelanin from bacteria and evidences showing its synthesis by 4-hydroxyphenylpyruvate dioxygenase enzyme encoded by hppD gene. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 864-873. | 7.5 | 36 |
| 5 | UV-B radiation and temperature stress-induced alterations in metabolic events and defense mechanisms in a bloom-forming cyanobacterium <i>Microcystis aeruginosa</i> . <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1. | 2.1 | 21 |
| 6 | Cyanobacteria growing on tree barks possess high amount of sunscreen compound mycosporine-like amino acids (MAAs). <i>Plant Physiology and Biochemistry</i> , 2017, 119, 110-120. | 5.8 | 22 |
| 7 | UV-B Radiation Stress Causes Alterations in Whole Cell Protein Profile and Expression of Certain Genes in the Rice Phyllospheric Bacterium <i>Enterobacter cloacae</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 1440. | 3.5 | 26 |
| 8 | Induction and differential expression of certain novel proteins in <i>Anabaena</i> L31 under UV-B radiation stress. <i>Frontiers in Microbiology</i> , 2015, 6, 133. | 3.5 | 16 |
| 9 | Isolation and Genetic Analysis of Multidrug Resistant Bacteria from Diabetic Foot Ulcers. <i>Frontiers in Microbiology</i> , 2015, 6, 1464. | 3.5 | 29 |
| 10 | Metabolism Dependent Chemotaxis of <i>Pseudomonas aeruginosa</i> N1 Towards Anionic Detergent Sodium Dodecyl Sulfate. <i>Indian Journal of Microbiology</i> , 2014, 54, 134-138. | 2.7 | 11 |
| 11 | Synthesis of ZnO nanoparticles using the cell extract of the cyanobacterium, <i>Anabaena</i> strain L31 and its conjugation with UV-B absorbing compound shinorine. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 138, 55-62. | 3.8 | 69 |
| 12 | Presence of SDS-degrading enzyme, alkyl sulfatase (SdsA1) is specific to different strains of <i>Pseudomonas aeruginosa</i> . <i>Process Biochemistry</i> , 2013, 48, 688-693. | 3.7 | 5 |
| 13 | Enzymatic and non-enzymatic defense mechanisms against ultraviolet-B radiation in two <i>Anabaena</i> species. <i>Process Biochemistry</i> , 2013, 48, 796-802. | 3.7 | 46 |
| 14 | Detection of anaerobic infection in diabetic foot ulcer using PCR technique and the status of metronidazole therapy on treatment outcome. <i>Wounds</i> , 2012, 24, 283-8. | 0.5 | 7 |
| 15 | Diversity of culturable sodium dodecyl sulfate (SDS) degrading bacteria isolated from detergent contaminated ponds situated in Varanasi city, India. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 961-971. | 3.9 | 44 |
| 16 | Molecular Mechanisms of Ultraviolet Radiation-Induced DNA Damage and Repair. <i>Journal of Nucleic Acids</i> , 2010, 2010, 1-32. | 1.2 | 810 |
| 17 | Diversity in the cag pathogenicity island of <i>Helicobacter pylori</i> isolates in populations from North and South India. <i>Journal of Medical Microbiology</i> , 2010, 59, 32-40. | 1.8 | 15 |
| 18 | Characterization of Novel Plant Growth Promoting Endophytic Bacterium <i>Achromobacter xylosoxidans</i> from Wheat Plant. <i>Microbial Ecology</i> , 2009, 58, 179-188. | 2.8 | 115 |

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|----|--|-----|-----------|
| 19 | Evidences showing ultraviolet-B radiation-induced damage of DNA in cyanobacteria and its detection by PCR assay. <i>Biochemical and Biophysical Research Communications</i> , 2004, 318, 1025-1030. | 2.1 | 58 |
| 20 | Inactivation of Cyanobacterial Nitrogenase After Exposure to Ultraviolet-B Radiation. <i>Current Microbiology</i> , 2003, 46, 380-384. | 2.2 | 48 |
| 21 | Role of white light in reversing UV-B-mediated effects in the N ₂ -fixing cyanobacterium <i>Anabaena</i> BT2. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2003, 71, 35-42. | 3.8 | 21 |
| 22 | Antialgal activity of a hepatotoxin-producing cyanobacterium, <i>Microcystis aeruginosa</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2001, 17, 15-22. | 3.6 | 99 |
| 23 | Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 1998, 14, 777-779. | 3.6 | 26 |
| 24 | Impacts of ultraviolet-B irradiation on nitrogen-fixing cyanobacteria of rice paddy fields. <i>Journal of Plant Physiology</i> , 1997, 150, 188-193. | 3.5 | 51 |
| 25 | Effect of UV-B on Enzymes of Nitrogen Metabolism in the Cyanobacterium <i>Nostoc calcicola</i> . <i>Journal of Plant Physiology</i> , 1996, 148, 86-91. | 3.5 | 63 |
| 26 | UVB Shielding Role of FeCl ₃ and Certain Cyanobacterial Pigments. <i>Photochemistry and Photobiology</i> , 1996, 64, 321-325. | 2.5 | 31 |
| 27 | DIFFERENTIAL EFFECT OF ULTRAVIOLET-B RADIATION ON CERTAIN METABOLIC PROCESSES IN A CHROMATICALLY ADAPTING <i>Nostoc</i> . <i>Photochemistry and Photobiology</i> , 1992, 55, 401-407. | 2.5 | 60 |
| 28 | Isolation and characterization of heterocysts from <i>Anabaena</i> sp. strain CA. <i>Archives of Microbiology</i> , 1982, 133, 103-109. | 2.2 | 42 |
| 29 | Tungsten-induced inactivation of molybdoenzymes in <i>Anabaena</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1980, 613, 244-248. | 2.6 | 11 |