

# Ashok Kumar

## List of Publications by Year in descending order

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29  
papers

1,828  
citations

394421

19  
h-index

477307

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

2524  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Mechanisms of Ultraviolet Radiation-Induced DNA Damage and Repair. <i>Journal of Nucleic Acids</i> , 2010, 2010, 1-32.	1.2	810
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	Inactivation of Cyanobacterial Nitrogenase After Exposure to Ultraviolet-B Radiation. <i>Current Microbiology</i> , 2003, 46, 380-384.	2.2	48
10	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
11	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
12	Isolation and characterization of heterocysts from <i>Anabaena</i> sp. strain CA. <i>Archives of Microbiology</i> , 1982, 133, 103-109.	2.2	42
13	Isolation of pyomelanin from bacteria and evidences showing its synthesis by 4-hydroxyphenylpyruvate dioxygenase enzyme encoded by <i>hppD</i> gene. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 864-873.	7.5	36
14	UVB Shielding Role of FeCl <sub>3</sub> and Certain Cyanobacterial Pigments. <i>Photochemistry and Photobiology</i> , 1996, 64, 321-325.	2.5	31
15	Isolation and Genetic Analysis of Multidrug Resistant Bacteria from Diabetic Foot Ulcers. <i>Frontiers in Microbiology</i> , 2015, 6, 1464.	3.5	29
16	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 1998, 14, 777-779.	3.6	26
17	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
18	Cyanobacteria: Applications in Biotechnology. , 2019, , 327-346.		26

#	ARTICLE	IF	CITATIONS
19	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
20	Role of white light in reversing UV-B-mediated effects in the N <sub>2</sub> -fixing cyanobacterium <i>Anabaena</i> BT2. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2003, 71, 35-42.	3.8	21
21	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 Physiologica Plantarum</i> , 2017, 39, 1.	2.1	21
22	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
23	Diversity in the <i>cag</i> 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
24	Tungsten-induced inactivation of molybdoenzymes in <i>Anabaena</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1980, 613, 244-248.	2.6	11
25	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
26	Proteomic evidences for microcystin-RR-induced toxicological alterations in mice liver. <i>Scientific Reports</i> , 2018, 8, 1310.	3.3	10
27	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
28	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
29	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