

# S K Apte

## List of Publications by Year in descending order

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26  
papers

956  
citations

567281

15  
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26  
docs citations

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times ranked

819  
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#	ARTICLE	IF	CITATIONS
1	Comparative analysis of proteins induced by heat shock, salinity, and osmotic stress in the nitrogen-fixing cyanobacterium <i>Anabaena</i> sp. strain L-31. <i>Journal of Bacteriology</i> , 1989, 171, 5187-5189.	2.2	101
2	Polyaniline-Based Highly Sensitive Microbial Biosensor for Selective Detection of Lindane. <i>Analytical Chemistry</i> , 2012, 84, 6672-6678.	6.5	98
3	Uranium sequestration by a marine cyanobacterium, <i>Synechococcus elongatus</i> strain BDU/75042. <i>Bioresource Technology</i> , 2009, 100, 2176-2181.	9.6	90
4	Salinity-stress-induced proteins in two nitrogen-fixing <i>Anabaena</i> strains differentially tolerant to salt. <i>Journal of Bacteriology</i> , 1989, 171, 909-915.	2.2	85
5	Differential Responses of Nitrogen-Fixing Cyanobacteria to Salinity and Osmotic Stresses. <i>Applied and Environmental Microbiology</i> , 1993, 59, 899-904.	3.1	80
6	Relationship between Sodium Influx and Salt Tolerance of Nitrogen-Fixing Cyanobacteria. <i>Applied and Environmental Microbiology</i> , 1987, 53, 1934-1939.	3.1	67
7	Cloning of salinity stress-induced genes from the salt-tolerant nitrogen-fixing cyanobacterium <i>Anabaena torulosa</i> . <i>Plant Molecular Biology</i> , 1990, 15, 723-733.	3.9	56
8	Oxidative stress management in the filamentous, heterocystous, diazotrophic cyanobacterium, <i>Anabaena</i> PCC7120. <i>Photosynthesis Research</i> , 2013, 118, 59-70.	2.9	47
9	Acetylene Reduction Assay for Nitrogenase Activity: Gas Chromatographic Determination of Ethylene Per Sample in Less Than One Minute. <i>Applied and Environmental Microbiology</i> , 1980, 39, 1078-1080.	3.1	45
10	Enhancement of Cyanobacterial Salt Tolerance by Combined Nitrogen. <i>Plant Physiology</i> , 1989, 89, 204-210.	4.8	38
11	Sodium is required for nitrogenase activity in cyanobacteria. <i>Current Microbiology</i> , 1980, 3, 291-293.	2.2	37
12	Transient Expression of Multiple Genes in Salinity-Stressed Young Seedlings of Rice ( <i>Oryza sativa</i> L.) cv. Bura Rata. <i>Biochemical and Biophysical Research Communications</i> , 1997, 233, 663-667.	2.1	29
13	Expression and possible role of stress-responsive proteins in <i>Anabaena</i> . <i>Journal of Biosciences</i> , 1998, 23, 399-406.	1.1	28
14	Membrane electrogenesis and sodium transport in filamentous nitrogen-fixing cyanobacteria. <i>FEBS Journal</i> , 1986, 154, 395-401.	0.2	26
15	Stimulation of nitrogenase by acetylene: Fresh synthesis or conformational change. <i>Biochemical and Biophysical Research Communications</i> , 1978, 82, 39-45.	2.1	18
16	Regulation of Potassium-Dependent Kdp-ATPase Expression in the Nitrogen-Fixing Cyanobacterium <i>Anabaena torulosa</i> . <i>Journal of Bacteriology</i> , 2001, 183, 5778-5781.	2.2	16
17	Uranium (VI) recovery from saline environment by a marine unicellular cyanobacterium, <i>Synechococcus elongatus</i> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 295, 845-850.	1.5	15
18	A role for osmotic stress-induced proteins in the osmotolerance of a nitrogen-fixing cyanobacterium, <i>Anabaena</i> sp. strain L-31. <i>Journal of Bacteriology</i> , 1994, 176, 5868-5870.	2.2	14

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19	Cloning and characterization of the major groESL operon from a nitrogen-fixing cyanobacterium <i>Anabaena</i> sp. strain L-31. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2001, 1519, 143-146.	2.4	14
20	Role of alkali cations (K <sup>+</sup> and Na <sup>+</sup> ) in cyanobacterial nitrogen fixation and adaptation to salinity and osmotic stress. <i>Indian Journal of Biochemistry and Biophysics</i> , 1994, 31, 267-79.	0.0	11
21	Novel Polypeptides Induced by the Insecticide Lindane ( <sup>3</sup> -Hexachlorocyclohexane) Are Required for Its Biodegradation by a <i>Sphingomonas paucimobilis</i> Strain. <i>Biochemical and Biophysical Research Communications</i> , 1996, 221, 755-761.	2.1	10
22	Manganese and iron both influence the shoot transcriptome of <i>Typha angustifolia</i> despite distinct preference towards manganese accumulation. <i>Plant and Soil</i> , 2011, 342, 301-317.	3.7	9
23	Identification of acid-stress-tolerant proteins from promising cyanobacterial isolates. <i>Journal of Applied Phycology</i> , 2007, 19, 631-639.	2.8	7
24	Rearrangements of nitrogen fixation (nif) genes in the heterocystous cyanobacteria. <i>Journal of Biosciences</i> , 1994, 19, 579-602.	1.1	7
25	Effect of Sodium on Nitrogen Fixation in <i>Anabaena torulosa</i> and <i>Plectonema boryanum</i> . <i>Microbiology (United Kingdom)</i> , 1984, 130, 1161-1168.	1.8	6
26	Salinity and osmotic stress-regulated proteins in cowpea <i>Rhizobium</i> 4a (peanut isolate). <i>IUBMB Life</i> , 1996, 39, 621-628.	3.4	2