

# Prashant Singh

## List of Publications by Year in descending order

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28  
papers

1,077  
citations

471509

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501196

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docs citations

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times ranked

1522  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Lectin Receptor Kinase-VI.2 Is Required for Priming and Positively Regulates <i>Arabidopsis</i> Pattern-Triggered Immunity. <i>Plant Cell</i> , 2012, 24, 1256-1270.	6.6	186
2	Environmental History Modulates <i>Arabidopsis</i> Pattern-Triggered Immunity in a HISTONE ACETYLTRANSFERASE1-Dependent Manner. <i>Plant Cell</i> , 2014, 26, 2676-2688.	6.6	133
3	Lectin receptor kinases in plant innate immunity. <i>Frontiers in Plant Science</i> , 2013, 4, 124.	3.6	120
4	Priming of the <i>Arabidopsis</i> pattern-triggered immunity response upon infection by necrotrophic <i>Pectobacterium carotovorum</i> bacteria. <i>Molecular Plant Pathology</i> , 2013, 14, 58-70.	4.2	87
5	L-Glutamine inhibits beta-aminobutyric acid-induced stress resistance and priming in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2010, 61, 995-1002.	4.8	81
6	Priming for enhanced defence responses by specific inhibition of the <i>Arabidopsis</i> response to coronatine. <i>Plant Journal</i> , 2011, 65, 469-479.	5.7	47
7	Expression analysis of the <i>Arabidopsis</i> CP12 gene family suggests novel roles for these proteins in roots and floral tissues. <i>Journal of Experimental Botany</i> , 2008, 59, 3975-3985.	4.8	41
8	Antisense Suppression of the Small Chloroplast Protein CP12 in Tobacco Alters Carbon Partitioning and Severely Restricts Growth. <i>Plant Physiology</i> , 2011, 157, 620-631.	4.8	39
9	Jasmonic acid-dependent regulation of seed dormancy following maternal herbivory in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2017, 214, 1702-1711.	7.3	38
10	Molecular phylogeny, population genetics, and evolution of heterocystous cyanobacteria using <i>nifH</i> gene sequences. <i>Protoplasma</i> , 2013, 250, 751-764.	2.1	31
11	Molecular phylogeny and evogenomics of heterocystous cyanobacteria using <i>rbcl</i> gene sequence data. <i>Annals of Microbiology</i> , 2015, 65, 799-807.	2.6	29
12	Nonredundant functions of <i>Arabidopsis</i> LecRK-VI.2 and LecRK-VII.1 in controlling stomatal immunity and jasmonate-mediated stomatal closure. <i>New Phytologist</i> , 2018, 218, 253-268.	7.3	29
13	The <i>Arabidopsis</i> LECTIN RECEPTOR KINASE-VI.2 is a functional protein kinase and is dispensable for basal resistance to <i>Botrytis cinerea</i> . <i>Plant Signaling and Behavior</i> , 2013, 8, e22611.	2.4	27
14	<i>Neowestiellopsis</i> gen. nov, a new genus of true branched cyanobacteria with the description of <i>Neowestiellopsis persica</i> sp. nov. and <i>Neowestiellopsis bilateralis</i> sp. nov., isolated from Iran. <i>Plant Systematics and Evolution</i> , 2018, 304, 501-510.	0.9	25
15	The Impact of Microbes in Plant Immunity and Priming Induced Inheritance: A Sustainable Approach for Crop protection. <i>Plant Stress</i> , 2022, 4, 100072.	5.5	25
16	$\beta$ -aminobutyric acid priming by stress imprinting. <i>Plant Signaling and Behavior</i> , 2010, 5, 878-880.	2.4	20
17	Decoding cyanobacterial phylogeny and molecular evolution using an evonumeric approach. <i>Protoplasma</i> , 2015, 252, 519-535.	2.1	19
18	An insight of novel eutectic mixture between thiazolidine-2,4-dione and zinc chloride: Temperature-dependent density functional theory approach. <i>Journal of Physical Organic Chemistry</i> , 2022, 35, e4305.	1.9	15

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19	Phylogenetic analysis of heterocystous cyanobacteria (Subsections IV and V) using highly iterated palindromes as molecular markers. <i>Physiology and Molecular Biology of Plants</i> , 2014, 20, 331-342.	3.1	14
20	An In Silico investigation for acyclovir and its derivatives to fight the COVID-19: Molecular docking, DFT calculations, ADME and td-Molecular dynamics simulations. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100433.	2.8	14
21	A new species of <i>Scytonema</i> isolated from Bilaspur, Chhattisgarh, India. <i>Journal of Systematics and Evolution</i> , 2016, 54, 519-527.	3.1	12
22	An investigation for the interaction of gamma oryzanol with the Mpro of SARS-CoV-2 to combat COVID-19: DFT, molecular docking, ADME and molecular dynamics simulations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 1919-1929.	3.5	11
23	Stereospecific N-acylation of indoles and corresponding microwave mediated synthesis of pyrazinoindoles using hexafluoroisopropanol. <i>Tetrahedron</i> , 2021, 84, 132017.	1.9	10
24	Issues in cyanobacterial taxonomy: comprehensive case study of unbranched, false branched and true branched heterocytous cyanobacteria. <i>FEMS Microbiology Letters</i> , 2021, 368, .	1.8	7
25	L-amino-acids as immunity booster against COVID-19: DFT, molecular docking and MD simulations. <i>Journal of Molecular Structure</i> , 2022, 1250, 131924.	3.6	7
26	<i>Westiellopsis ramosa</i> sp. nov., intensely branched species of <i>Westiellopsis</i> (cyanobacteria) from a freshwater habitat of Jabalpur, Madhya Pradesh, India. <i>Plant Systematics and Evolution</i> , 2017, 303, 1239-1249.	0.9	6
27	A calcium-stimulated serine peptidase from a true-branching cyanobacterium, <i>Westiellopsis ramosa</i> sp. nov.. <i>Physiology and Molecular Biology of Plants</i> , 2018, 24, 261-273.	3.1	2
28	In silico study of remdesivir with and without ionic liquids having different cations using DFT calculations and molecular docking. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100328.	2.8	2