

Anindita Bandyopadhyay

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

3,704
citations

394421

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610901

24
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25
all docs

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docs citations

25
times ranked

4027
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellular efflux of auxin catalyzed by the Arabidopsis MDR/PGP transporter AtPGP1. <i>Plant Journal</i> , 2005, 44, 179-194.	5.7	496
2	Arabidopsis H ⁺ -PPase AVP1 Regulates Auxin-Mediated Organ Development. <i>Science</i> , 2005, 310, 121-125.	12.6	403
3	Interactions among PIN-FORMED and P-Glycoprotein Auxin Transporters in Arabidopsis. <i>Plant Cell</i> , 2007, 19, 131-147.	6.6	387
4	Variation in Expression and Protein Localization of the PIN Family of Auxin Efflux Facilitator Proteins in Flavonoid Mutants with Altered Auxin Transport in Arabidopsis thaliana [W]. <i>Plant Cell</i> , 2004, 16, 1898-1911.	6.6	350
5	PGP4, an ATP Binding Cassette P-Glycoprotein, Catalyzes Auxin Transport in Arabidopsis thaliana Roots. <i>Plant Cell</i> , 2005, 17, 2922-2939.	6.6	328
6	Enhanced gravi- and phototropism in plant mdr mutants mislocalizing the auxin efflux protein PIN1. <i>Nature</i> , 2003, 423, 999-1002.	27.8	253
7	ABCB19/PGP19 stabilises PIN1 in membrane microdomains in Arabidopsis. <i>Plant Journal</i> , 2009, 57, 27-44.	5.7	239
8	High rates of photobiological H ₂ production by a cyanobacterium under aerobic conditions. <i>Nature Communications</i> , 2010, 1, 139.	12.8	206
9	The VTI Family of SNARE Proteins Is Necessary for Plant Viability and Mediates Different Protein Transport Pathways[W]. <i>Plant Cell</i> , 2003, 15, 2885-2899.	6.6	194
10	ENDOCYTOTIC CYCLING OF PM PROTEINS. <i>Annual Review of Plant Biology</i> , 2005, 56, 221-251.	18.7	168
11	Relocalization of the PIN1 Auxin Efflux Facilitator Plays a Role in Phototropic Responses. <i>Plant Physiology</i> , 2004, 134, 28-31.	4.8	146
12	Arabidopsis AtGSTF2 is regulated by ethylene and auxin, and encodes a glutathione S-transferase that interacts with flavonoids. <i>Plant Journal</i> , 2003, 36, 433-442.	5.7	123
13	Novel Metabolic Attributes of the Genus <i>Cyanothece</i> , Comprising a Group of Unicellular Nitrogen-Fixing Cyanobacteria. <i>MBio</i> , 2011, 2, .	4.1	93
14	Mixotrophic and photoheterotrophic metabolism in <i>Cyanothece</i> sp. ATCC 51142 under continuous light. <i>Microbiology (United Kingdom)</i> , 2010, 156, 2566-2574.	1.8	80
15	Variations in the Rhythms of Respiration and Nitrogen Fixation in Members of the Unicellular Diazotrophic Cyanobacterial Genus <i>Cyanothece</i> . <i>Plant Physiology</i> , 2013, 161, 1334-1346.	4.8	52
16	Mutation of the Membrane-Associated M1 Protease APM1 Results in Distinct Embryonic and Seedling Developmental Defects in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2009, 21, 1693-1721.	6.6	51
17	Metabolic model guided strain design of cyanobacteria. <i>Current Opinion in Biotechnology</i> , 2020, 64, 17-23.	6.6	35
18	Photosynthetic Co-production of Succinate and Ethylene in a Fast-Growing Cyanobacterium, <i>Synechococcus elongatus</i> PCC 11801. <i>Metabolites</i> , 2020, 10, 250.	2.9	35

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19	Enhanced Nitrogen Fixation in a <i>glgX</i> -Deficient Strain of <i>Cyanothece</i> sp. Strain ATCC 51142, a Unicellular Nitrogen-Fixing Cyanobacterium. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	31
20	The Catalytic and Protein-Protein Interaction Domains Are Required for APM1 Function. <i>Plant Physiology</i> , 2010, 152, 2158-2172.	4.8	9
21	Elucidation of trophic interactions in an unusual single-cell nitrogen-fixing symbiosis using metabolic modeling. <i>PLoS Computational Biology</i> , 2021, 17, e1008983.	3.2	9
22	A Novel Mode of Photoprotection Mediated by a Cysteine Residue in the Chlorophyll Protein IsiA. <i>MBio</i> , 2021, 12, .	4.1	8
23	A Genome-Scale Metabolic Model of <i>Anabaena</i> 33047 to Guide Genetic Modifications to Overproduce Nylon Monomers. <i>Metabolites</i> , 2021, 11, 168.	2.9	4
24	Antenna Modification Leads to Enhanced Nitrogenase Activity in a High Light-Tolerant Cyanobacterium. <i>MBio</i> , 2021, 12, e0340821.	4.1	4