

Nathan Pumplin

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

3,402
citations

567281

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888059

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19
all docs

19
docs citations

19
times ranked

4436
citing authors

#	ARTICLE	IF	CITATIONS
1	RNA silencing suppression by plant pathogens: defence, counter-defence and counter-counter-defence. <i>Nature Reviews Microbiology</i> , 2013, 11, 745-760.	28.6	546
2	Origin and evolution of the octoploid strawberry genome. <i>Nature Genetics</i> , 2019, 51, 541-547.	21.4	469
3	A Bacterial Virulence Protein Suppresses Host Innate Immunity to Cause Plant Disease. <i>Science</i> , 2006, 313, 220-223.	12.6	438
4	Phosphate in the arbuscular mycorrhizal symbiosis: transport properties and regulatory roles. <i>Plant, Cell and Environment</i> , 2007, 30, 310-322.	5.7	339
5	DELLA proteins regulate arbuscule formation in arbuscular mycorrhizal symbiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E5025-34.	7.1	266
6	Live-Cell Imaging Reveals Periarbuscular Membrane Domains and Organelle Location in <i>Medicago truncatula</i> Roots during Arbuscular Mycorrhizal Symbiosis. <i>Plant Physiology</i> , 2009, 151, 809-819.	4.8	215
7	Genes conserved for arbuscular mycorrhizal symbiosis identified through phylogenomics. <i>Nature Plants</i> , 2016, 2, 15208.	9.3	206
8	<i>Medicago truncatula</i> Vapyrin is a novel protein required for arbuscular mycorrhizal symbiosis. <i>Plant Journal</i> , 2010, 61, 482-494.	5.7	198
9	Suppression of Arbuscule Degeneration in <i>Medicago truncatula</i> phosphate transporter4 Mutants Is Dependent on the Ammonium Transporter 2 Family Protein AMT2;3. <i>Plant Cell</i> , 2015, 27, 1352-1366.	6.6	180
10	Polar localization of a symbiosis-specific phosphate transporter is mediated by a transient reorientation of secretion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E665-72.	7.1	164
11	EXO70I Is Required for Development of a Sub-domain of the Periarbuscular Membrane during Arbuscular Mycorrhizal Symbiosis. <i>Current Biology</i> , 2015, 25, 2189-2195.	3.9	120
12	Closely Related Members of the <i>Medicago truncatula</i> PHT1 Phosphate Transporter Gene Family Encode Phosphate Transporters with Distinct Biochemical Activities. <i>Journal of Biological Chemistry</i> , 2008, 283, 24673-24681.	3.4	87
13	Structural Flexibility Enables Alternative Maturation, ARGONAUTE Sorting and Activities of miR168, a Global Gene Silencing Regulator in Plants. <i>Molecular Plant</i> , 2018, 11, 1008-1023.	8.3	43
14	A Critical Role of <i>STAYGREEN</i> /Mendel's Locus in Controlling Disease Symptom Development during <i>Pseudomonas syringae</i> pv <i>tomato</i> Infection of <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2011, 157, 1965-1974.	4.8	41
15	DNA Methylation Influences the Expression of <i>DICER-LIKE4</i> Isoforms, Which Encode Proteins of Alternative Localization and Function. <i>Plant Cell</i> , 2016, 28, 2786-2804.	6.6	41
16	Functional characterization of <i>Arabidopsis</i> ARGONAUTE 3 in reproductive tissues. <i>Plant Journal</i> , 2020, 103, 1796-1809.	5.7	22
17	A complex of <i>Arabidopsis</i> DRB proteins can impair dsRNA processing. <i>Rna</i> , 2017, 23, 782-797.	3.5	13
18	Phosphate Transporters in Arbuscular Mycorrhizal Symbiosis. , 2010, , 117-135.		12