

G Eric Schaller

List of Publications by Year in descending order

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74
papers

10,406
citations

44069

48
h-index

82547

72
g-index

76
all docs

76
docs citations

76
times ranked

7665
citing authors

#	ARTICLE	IF	CITATIONS
1	Function of the pseudo phosphotransfer proteins has diverged between rice and Arabidopsis. <i>Plant Journal</i> , 2021, 106, 159-173.	5.7	7
2	Meta-analysis of transcriptomic studies of cytokinin-treated rice roots defines a core set of cytokinin response genes. <i>Plant Journal</i> , 2021, 107, 1387-1402.	5.7	4
3	Amplification and Adaptation in the Ethylene Signaling Pathway. <i>Small Methods</i> , 2020, 4, 1900452.	8.6	13
4	EXO70D isoforms mediate selective autophagic degradation of type-A ARR proteins to regulate cytokinin sensitivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27034-27043.	7.1	39
5	The HK5 and HK6 cytokinin receptors mediate diverse developmental pathways in rice. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	24
6	Functional Analysis of the Rice Type-B Response Regulator RR22. <i>Frontiers in Plant Science</i> , 2020, 11, 577676.	3.6	8
7	Mutagenomics: A Rapid, High-Throughput Method to Identify Causative Mutations from a Genetic Screen. <i>Plant Physiology</i> , 2020, 184, 1658-1673.	4.8	6
8	Role of the Cytokinin-Activated Type-B Response Regulators in Hormone Crosstalk. <i>Plants</i> , 2020, 9, 166.	3.5	39
9	Type-B response regulators of rice play key roles in growth, development, and cytokinin signaling. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	38
10	Behind the Screen: How a Simple Seedling Response Helped Unravel Ethylene Signaling in Plants. <i>Plant Cell</i> , 2019, 31, 1402-1403.	6.6	3
11	Cytokinin signaling in plant development. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	472
12	Cytokinin modulates context-dependent chromatin accessibility through the type-B response regulators. <i>Nature Plants</i> , 2018, 4, 1102-1111.	9.3	44
13	Role of <i>BASIC PENTACYSTEINE</i> transcription factors in a subset of cytokinin signaling responses. <i>Plant Journal</i> , 2018, 95, 458-473.	5.7	52
14	Coordination of Chloroplast Development through the Action of the GNC and GLK Transcription Factor Families. <i>Plant Physiology</i> , 2018, 178, 130-147.	4.8	85
15	A role for two-component signaling elements in the Arabidopsis growth recovery response to ethylene. <i>Plant Direct</i> , 2018, 2, e00058.	1.9	11
16	Inhibitors of Ethylene Biosynthesis and Signaling. <i>Methods in Molecular Biology</i> , 2017, 1573, 223-235.	0.9	41
17	Analysis of Ethylene Receptors: Assay for Histidine Kinase Activity. <i>Methods in Molecular Biology</i> , 2017, 1573, 87-99.	0.9	0
18	Analysis of Ethylene Receptor Interactions by Co-immunoprecipitation Assays. <i>Methods in Molecular Biology</i> , 2017, 1573, 101-112.	0.9	0

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19	Localization of the Ethylene-Receptor Signaling Complex to the Endoplasmic Reticulum: Analysis by Two-Phase Partitioning and Density-Gradient Centrifugation. <i>Methods in Molecular Biology</i> , 2017, 1573, 113-131.	0.9	1
20	Cytokinin induces genome-wide binding of the type-B response regulator ARR10 to regulate growth and development in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5995-E6004.	7.1	154
21	Isolation of Endoplasmic Reticulum and Its Membrane. <i>Methods in Molecular Biology</i> , 2017, 1511, 119-129.	0.9	6
22	Dynamic patterns of expression for genes regulating cytokinin metabolism and signaling during rice inflorescence development. <i>PLoS ONE</i> , 2017, 12, e0176060.	2.5	38
23	Cytokinin Regulates the Etioplast-Chloroplast Transition through the Two-Component Signaling System and Activation of Chloroplast-Related Genes. <i>Plant Physiology</i> , 2016, 172, 464-478.	4.8	85
24	The Role of Cytokinin During Infection of <i>Arabidopsis thaliana</i> by the Cyst Nematode <i>Heterodera schachtii</i> . <i>Molecular Plant-Microbe Interactions</i> , 2016, 29, 57-68.	2.6	44
25	Characterization of the cytokinin-responsive transcriptome in rice. <i>BMC Plant Biology</i> , 2016, 16, 260.	3.6	38
26	The cytokinin response factors modulate root and shoot growth and promote leaf senescence in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2016, 85, 134-147.	5.7	101
27	Cytokinin acts through the auxin influx carrier AUX1 to regulate cell elongation in the root. <i>Development (Cambridge)</i> , 2016, 143, 3982-3993.	2.5	55
28	<i>Arabidopsis</i> type B cytokinin response regulators ARR1, ARR10, and ARR12 negatively regulate plant responses to drought. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3090-3095.	7.1	186
29	The Yin-Yang of Hormones: Cytokinin and Auxin Interactions in Plant Development. <i>Plant Cell</i> , 2015, 27, 44-63.	6.6	441
30	Ethylene Regulates Levels of Ethylene Receptor/CTR1 Signaling Complexes in <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 12415-12424.	3.4	83
31	The ARGOS gene family functions in a negative feedback loop to desensitize plants to ethylene. <i>BMC Plant Biology</i> , 2015, 15, 157.	3.6	44
32	Focus on Ethylene. <i>Plant Physiology</i> , 2015, 169, 1-2.	4.8	26
33	Ethylene Inhibits Cell Proliferation of the <i>Arabidopsis</i> Root Meristem. <i>Plant Physiology</i> , 2015, 169, 338-350.	4.8	130
34	Cytokinin and the cell cycle. <i>Current Opinion in Plant Biology</i> , 2014, 21, 7-15.	7.1	215
35	Cytokinins. <i>The Arabidopsis Book</i> , 2014, 12, e0168.	0.5	450
36	Cytokinin Induces Cell Division in the Quiescent Center of the <i>Arabidopsis</i> Root Apical Meristem. <i>Current Biology</i> , 2013, 23, 1979-1989.	3.9	151

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37	Cytokinin-dependent specification of the functional megaspore in the Arabidopsis female gametophyte. <i>Plant Journal</i> , 2013, 73, 929-940.	5.7	74
38	Enhancing plant regeneration in tissue culture. <i>Plant Signaling and Behavior</i> , 2013, 8, e25709.	2.4	48
39	Functional Characterization of Type-B Response Regulators in the Arabidopsis Cytokinin Response. <i>Plant Physiology</i> , 2013, 162, 212-224.	4.8	82
40	Mechanisms of signal transduction by ethylene: overlapping and non-overlapping signalling roles in a receptor family. <i>AoB PLANTS</i> , 2013, 5, p1010-1010.	2.3	127
41	Identification of Cytokinin-Responsive Genes Using Microarray Meta-Analysis and RNA-Seq in Arabidopsis. <i>Plant Physiology</i> , 2013, 162, 272-294.	4.8	230
42	SCF ^{KMD} controls cytokinin signaling by regulating the degradation of type-B response regulators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10028-10033.	7.1	106
43	Histidine Kinase Activity of the Ethylene Receptor ETR1 Facilitates the Ethylene Response in Arabidopsis. <i>Plant Physiology</i> , 2012, 159, 682-695.	4.8	93
44	Functional Characterization of the GATA Transcription Factors GNC and CGA1 Reveals Their Key Role in Chloroplast Development, Growth, and Division in Arabidopsis. <i>Plant Physiology</i> , 2012, 160, 332-348.	4.8	172
45	Characterization of Genes Involved in Cytokinin Signaling and Metabolism from Rice. <i>Plant Physiology</i> , 2012, 158, 1666-1684.	4.8	197
46	Two-Component Elements Mediate Interactions between Cytokinin and Salicylic Acid in Plant Immunity. <i>PLoS Genetics</i> , 2012, 8, e1002448.	3.5	222
47	Ethylene and the regulation of plant development. <i>BMC Biology</i> , 2012, 10, 9.	3.8	131
48	Type-A response regulators are required for proper root apical meristem function through post-transcriptional regulation of PIN auxin efflux carriers. <i>Plant Journal</i> , 2011, 68, 1-10.	5.7	98
49	Two-Component Systems and Their Co-Option for Eukaryotic Signal Transduction. <i>Current Biology</i> , 2011, 21, R320-R330.	3.9	202
50	The subcellular distribution of the Arabidopsis histidine phosphotransfer proteins is independent of cytokinin signaling. <i>Plant Journal</i> , 2010, 62, 473-482.	5.7	88
51	Type-B response regulators ARR1 and ARR12 regulate expression of AtHKT1;1 and accumulation of sodium in Arabidopsis shoots. <i>Plant Journal</i> , 2010, 64, 753-763.	5.7	145
52	Ethylene Receptors Function as Components of High-Molecular-Mass Protein Complexes in Arabidopsis. <i>PLoS ONE</i> , 2010, 5, e8640.	2.5	76
53	The role of receptor interactions in regulating ethylene signal transduction. <i>Plant Signaling and Behavior</i> , 2009, 4, 1152-1153.	2.4	34
54	Two-Component Signaling Elements and Histidyl-Aspartyl Phosphorelays. <i>The Arabidopsis Book</i> , 2008, 6, e0112.	0.5	137

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55	Cytokinin Regulates Type-A <i>Arabidopsis</i> Response Regulator Activity and Protein Stability via Two-Component Phosphorelay. <i>Plant Cell</i> , 2008, 19, 3901-3914.	6.6	240
56	Type B Response Regulators of <i>Arabidopsis</i> Play Key Roles in Cytokinin Signaling and Plant Development. <i>Plant Cell</i> , 2008, 20, 2102-2116.	6.6	386
57	Heteromeric Interactions among Ethylene Receptors Mediate Signaling in <i>Arabidopsis</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 23801-23810.	3.4	131
58	Ligand-induced Degradation of the Ethylene Receptor ETR2 through a Proteasome-dependent Pathway in <i>Arabidopsis</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 24752-24758.	3.4	137
59	Nomenclature for Two-Component Signaling Elements of Rice. <i>Plant Physiology</i> , 2007, 143, 555-557.	4.8	72
60	A strong constitutive ethylene-response phenotype conferred on <i>Arabidopsis</i> plants containing null mutations in the ethylene receptors ETR1 and ERS1. <i>BMC Plant Biology</i> , 2007, 7, 3.	3.6	137
61	The <i>Arabidopsis</i> Histidine Phosphotransfer Proteins Are Redundant Positive Regulators of Cytokinin Signaling. <i>Plant Cell</i> , 2006, 18, 3073-3087.	6.6	392
62	A subset of <i>Arabidopsis</i> AP2 transcription factors mediates cytokinin responses in concert with a two-component pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11081-11085.	7.1	353
63	Multiple Type-B Response Regulators Mediate Cytokinin Signal Transduction in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2005, 17, 3007-3018.	6.6	397
64	Ethylene Signal Transduction. <i>Annals of Botany</i> , 2005, 95, 901-915.	2.9	377
65	Type-A <i>Arabidopsis</i> Response Regulators Are Partially Redundant Negative Regulators of Cytokinin Signaling[W]. <i>Plant Cell</i> , 2004, 16, 658-671.	6.6	631
66	Type-B Response Regulators Display Overlapping Expression Patterns in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2004, 135, 927-937.	4.8	156
67	Requirement of the Histidine Kinase Domain for Signal Transduction by the Ethylene Receptor ETR1. <i>Plant Physiology</i> , 2004, 136, 2961-2970.	4.8	112
68	Localization of the Raf-like Kinase CTR1 to the Endoplasmic Reticulum of <i>Arabidopsis</i> through Participation in Ethylene Receptor Signaling Complexes. <i>Journal of Biological Chemistry</i> , 2003, 278, 34725-34732.	3.4	323
69	Mutational Analysis of the Ethylene Receptor ETR1. Role of the Histidine Kinase Domain in Dominant Ethylene Insensitivity. <i>Plant Physiology</i> , 2002, 128, 1428-1438.	4.8	155
70	Localization of the Ethylene Receptor ETR1 to the Endoplasmic Reticulum of <i>Arabidopsis</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 19861-19866.	3.4	305
71	Ethylene. <i>The Arabidopsis Book</i> , 2002, 1, e0071.	0.5	88
72	Ethylene Perception by the ERS1 Protein in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2000, 123, 1449-1458.	4.8	210

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73	The Relationship between Ethylene Binding and Dominant Insensitivity Conferred by Mutant Forms of the ETR1 Ethylene Receptor. <i>Plant Physiology</i> , 1999, 121, 291-300.	4.8	156
74	The Ethylene Response Mediator ETR1 from Arabidopsis Forms a Disulfide-linked Dimer. <i>Journal of Biological Chemistry</i> , 1995, 270, 12526-12530.	3.4	228