

Shigeo Toh

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

2,090
citations

516710

16
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

2508
citing authors

#	ARTICLE	IF	CITATIONS
1	High Temperature-Induced Abscisic Acid Biosynthesis and Its Role in the Inhibition of Gibberellin Action in Arabidopsis Seeds. <i>Plant Physiology</i> , 2008, 146, 1368-1385.	4.8	379
2	Probing strigolactone receptors in <i>Striga hermonthica</i> with fluorescence. <i>Science</i> , 2015, 349, 864-868.	12.6	230
3	Structure-function analysis identifies highly sensitive strigolactone receptors in <i>Striga</i> . <i>Science</i> , 2015, 350, 203-207.	12.6	227
4	A small-molecule screen identifies new functions for the plant hormone strigolactone. <i>Nature Chemical Biology</i> , 2010, 6, 741-749.	8.0	207
5	Thermoinhibition Uncovers a Role for Strigolactones in Arabidopsis Seed Germination. <i>Plant and Cell Physiology</i> , 2012, 53, 107-117.	3.1	193
6	ABA-INSENSITIVE3, ABA-INSENSITIVE5, and DELLAs Interact to Activate the Expression of <i>SOMNUS</i> and Other High-Temperature-Inducible Genes in Imbibed Seeds in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 25, 4863-4878.	6.6	191
7	A Mesoscale Abscisic Acid Hormone Interactome Reveals a Dynamic Signaling Landscape in Arabidopsis. <i>Developmental Cell</i> , 2014, 29, 360-372.	7.0	109
8	Detection of Parasitic Plant Suicide Germination Compounds Using a High-Throughput Arabidopsis HTL/KAI2 Strigolactone Perception System. <i>Chemistry and Biology</i> , 2014, 21, 988-998.	6.0	100
9	Isolation and Characterization of High Temperature-Resistant Germination Mutants of <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2006, 47, 1081-1094.	3.1	73
10	Small-molecule antagonists of germination of the parasitic plant <i>Striga hermonthica</i> . <i>Nature Chemical Biology</i> , 2016, 12, 724-729.	8.0	60
11	<i>Arabidopsis</i> ETHYLENE RESPONSE FACTOR 8 (ERF8) has dual functions in ABA signaling and immunity. <i>BMC Plant Biology</i> , 2018, 18, 211.	3.6	52
12	<i>HY5</i> is involved in strigolactone-dependent seed germination in Arabidopsis. <i>Plant Signaling and Behavior</i> , 2012, 7, 556-558.	2.4	51
13	SMAX1-dependent seed germination bypasses GA signalling in Arabidopsis and <i>Striga</i> . <i>Nature Plants</i> , 2020, 6, 646-652.	9.3	49
14	β -Xylosidase plays essential roles in xyloglucan remodelling, maintenance of cell wall integrity, and seed germination in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 5615-5629.	4.8	44
15	Identification and Characterization of Compounds that Affect Stomatal Movements. <i>Plant and Cell Physiology</i> , 2018, 59, 1568-1580.	3.1	34
16	Three mutations repurpose a plant karrikin receptor to a strigolactone receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	27
17	Regulation of stomatal opening and histone modification by photoperiod in <i>Arabidopsis thaliana</i> . <i>Scientific Reports</i> , 2019, 9, 10054.	3.3	16
18	Chemical control of stomatal function and development. <i>Current Opinion in Plant Biology</i> , 2021, 60, 102010.	7.1	13

#	ARTICLE	IF	CITATIONS
19	Overexpression of Plasma Membrane H ⁺ -ATPase in Guard Cells Enhances Light-Induced Stomatal Opening, Photosynthesis, and Plant Growth in Hybrid Aspen. <i>Frontiers in Plant Science</i> , 2021, 12, 766037.	3.6	8