

# Shigeyuki Betsuyaku

## List of Publications by Year in descending order

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34  
papers

2,872  
citations

304743

22  
h-index

377865

34  
g-index

37  
all docs

37  
docs citations

37  
times ranked

3729  
citing authors

#	ARTICLE	IF	CITATIONS
1	A small peptide modulates stomatal control via abscisic acid in long-distance signalling. <i>Nature</i> , 2018, 556, 235-238.	27.8	396
2	The BRI1-Associated Kinase 1, BAK1, Has a Brassinolide-Independent Role in Plant Cell-Death Control. <i>Current Biology</i> , 2007, 17, 1116-1122.	3.9	356
3	RPK2 is an essential receptor-like kinase that transmits the CLV3 signal in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2010, 137, 3911-3920.	2.5	291
4	Role of SGT1 in resistance protein accumulation in plant immunity. <i>EMBO Journal</i> , 2006, 25, 2007-2016.	7.8	226
5	Interaction between SGT1 and Cytosolic/Nuclear HSC70 Chaperones Regulates <i>Arabidopsis</i> Immune Responses. <i>Plant Cell</i> , 2008, 19, 4061-4076.	6.6	187
6	Salicylic Acid and Jasmonic Acid Pathways are Activated in Spatially Different Domains Around the Infection Site During Effector-Triggered Immunity in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 8-16.	3.1	153
7	A NIN-LIKE PROTEIN mediates nitrate-induced control of root nodule symbiosis in <i>Lotus japonicus</i> . <i>Nature Communications</i> , 2018, 9, 499.	12.8	144
8	The Receptor-Like Kinase SOL2 Mediates CLE Signaling in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2008, 49, 1752-1757.	3.1	139
9	Mitogen-Activated Protein Kinase Regulated by the CLAVATA Receptors Contributes to Shoot Apical Meristem Homeostasis. <i>Plant and Cell Physiology</i> , 2011, 52, 14-29.	3.1	130
10	The receptor-like kinase KLAVER mediates systemic regulation of nodulation and non-symbiotic shoot development in <i>Lotus japonicus</i> . <i>Development (Cambridge)</i> , 2010, 137, 4317-4325.	2.5	109
11	Nitric Oxide and Reactive Oxygen Species Do Not Elicit Hypersensitive Cell Death but Induce Apoptosis in the Adjacent Cells During the Defense Response of Oat. <i>Molecular Plant-Microbe Interactions</i> , 2004, 17, 245-253.	2.6	102
12	OARE-1, a Ty1-copia Retrotransposon in Oat Activated by Abiotic and Biotic Stresses. <i>Plant and Cell Physiology</i> , 2001, 42, 1345-1354.	3.1	85
13	The Function of the CLE Peptides in Plant Development and Plant-Microbe Interactions. <i>The Arabidopsis Book</i> , 2011, 9, e0149.	0.5	69
14	Modulation of Plant RAB GTPase-Mediated Membrane Trafficking Pathway at the Interface Between Plants and Obligate Biotrophic Pathogens. <i>Plant and Cell Physiology</i> , 2016, 57, 1854-1864.	3.1	69
15	Differential Effects of the Peptides Stomagen, EPF1 and EPF2 on Activation of MAP Kinase MPK6 and the SPCH Protein Level. <i>Plant and Cell Physiology</i> , 2013, 54, 1253-1262.	3.1	51
16	Mechanosensory trichome cells evoke a mechanical stimuli-induced immune response in <i>Arabidopsis thaliana</i> . <i>Nature Communications</i> , 2022, 13, 1216.	12.8	43
17	SUPPRESSOR OF <i>scp&gt;LLP&lt;/scp&gt; 1</i> mediated terminal processing is critical for <i>scp&gt;CLE&lt;/scp&gt; 19</i> peptide activity. <i>Plant Journal</i> , 2013, 76, 970-981.	5.7	42
18	Pyret, a Ty3/Gypsy retrotransposon in <i>Magnaporthe grisea</i> contains an extra domain between the nucleocapsid and protease domains. <i>Nucleic Acids Research</i> , 2001, 29, 4106-4113.	14.5	39

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19	Victorin Triggers Programmed Cell Death and the Defense Response via Interaction with a Cell Surface Mediator. <i>Plant and Cell Physiology</i> , 2005, 46, 1787-1798.	3.1	39
20	Endogenous peptide ligand–receptor systems for diverse signaling networks in plants. <i>Current Opinion in Plant Biology</i> , 2014, 21, 140-146.	7.1	36
21	Enrichment of Phosphatidylinositol 4,5-Bisphosphate in the Extra-Invasive Hyphal Membrane Promotes Colletotrichum Infection of Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 2019, 60, 1514-1524.	3.1	33
22	A large family of genes that share homology with CLE domain in Arabidopsis and rice. <i>Plant Signaling and Behavior</i> , 2008, 3, 337-339.	2.4	28
23	AlgU contributes to the virulence of Pseudomonas syringae pv. tomato DC3000 by regulating production of the phytotoxin coronatine. <i>Journal of General Plant Pathology</i> , 2018, 84, 189-201.	1.0	25
24	An Evolutionarily Conserved Coreceptor Gene Is Essential for CLAVATA Signaling in Marchantia polymorpha. <i>Frontiers in Plant Science</i> , 2021, 12, 657548.	3.6	16
25	CLE2 regulates light-dependent carbohydrate metabolism in Arabidopsis shoots. <i>Plant Molecular Biology</i> , 2020, 104, 561-574.	3.9	15
26	RPK2 is an essential receptor-like kinase that transmits the CLV3 signal in Arabidopsis. <i>Development (Cambridge)</i> , 2010, 137, 4327-4327.	2.5	12
27	Involvement of S-type anion channels in disease resistance against an oomycete pathogen in Arabidopsis seedlings. <i>Communicative and Integrative Biology</i> , 2018, 11, 1-6.	1.4	3
28	An Artificial Conversion of Roots into Organs with Shoot Stem Characteristics by Inducing Two Transcription Factors. <i>IScience</i> , 2020, 23, 101332.	4.1	3
29	The Rise of Evolutionary Molecular Plant–Microbe Interactions (EvoMPMI). <i>Plant and Cell Physiology</i> , 2020, 61, 223-224.	3.1	3
30	Root-specific CLE3 expression is required for WRKY33 activation in Arabidopsis shoots. <i>Plant Molecular Biology</i> , 2022, 108, 225-239.	3.9	3
31	Oat Retrotransposon OARE-1 Is Activated in Both Compatible and Incompatible Interactions with Pathogenic Fungi. <i>Journal of General Plant Pathology</i> , 2002, 68, 8-14.	1.0	2
32	The effects of Lepidopteran oral secretion on plant wounds: A case study on the interaction between Spodoptera litura and Arabidopsis thaliana. <i>Plant Biotechnology</i> , 2018, 35, 237-242.	1.0	2
33	A Versatile Method for Mounting Arabidopsis Leaves for Intravital Time-lapse Imaging. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	1
34	Automating measurements of fluorescent signals in freely moving plant leaf specimens. <i>Plant Biotechnology</i> , 2019, 36, 7-11.	1.0	0