

# Sumie Ishiguro

## List of Publications by Year in descending order

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46  
papers

5,933  
citations

172457

29  
h-index

223800

46  
g-index

46  
all docs

46  
docs citations

46  
times ranked

7155  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Gateway Binary Vectors: High-Performance Vectors for Creation of Fusion Constructs in Transgenic Analysis of Plants. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 2095-2100.	1.3	847
2	The <i>DEFECTIVE IN ANther DEHISCENCE1</i> Gene Encodes a Novel Phospholipase A1 Catalyzing the Initial Step of Jasmonic Acid Biosynthesis, Which Synchronizes Pollen Maturation, Anther Dehiscence, and Flower Opening in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2001, 13, 2191-2209.	6.6	727
3	<i>Arabidopsis</i> NPL1: A Phototropin Homolog Controlling the Chloroplast High-Light Avoidance Response. <i>Science</i> , 2001, 291, 2138-2141.	12.6	642
4	Characterization of a cDNA encoding a novel DNA-binding protein, SPF1, that recognizes SP8 sequences in the 5' upstream regions of genes coding for sporamin and Î <sup>2</sup> -amylase from sweet potato. <i>Molecular Genetics and Genomics</i> , 1994, 244, 563-571.	2.4	504
5	The <i>DEFECTIVE IN ANther DEHISCENCE1</i> Gene Encodes a Novel Phospholipase A1 Catalyzing the Initial Step of Jasmonic Acid Biosynthesis, Which Synchronizes Pollen Maturation, Anther Dehiscence, and Flower Opening in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2001, 13, 2191-2209.	6.6	444
6	An AP2-type transcription factor, <i>WRINKLED1</i> , of <i>Arabidopsis thaliana</i> binds to the <i>AW</i> box sequence conserved among proximal upstream regions of genes involved in fatty acid synthesis. <i>Plant Journal</i> , 2009, 60, 476-487.	5.7	288
7	<i>RPT2</i> : A Signal Transducer of the Phototropic Response in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2000, 12, 225-236.	6.6	244
8	<i>DELLA</i> protein functions as a transcriptional activator through the DNA binding of the <i>INDETERMINATE DOMAIN</i> family proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7861-7866.	7.1	212
9	Gateway Binary Vectors with the Bialaphos Resistance Gene, <i>bar</i> , as a Selection Marker for Plant Transformation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 1315-1319.	1.3	190
10	<i>Arabidopsis</i> <i>AUXIN RESPONSE FACTOR6</i> and <i>8</i> Regulate Jasmonic Acid Biosynthesis and Floral Organ Development via Repression of Class 1 <i>KNOX</i> Genes. <i>Plant and Cell Physiology</i> , 2010, 51, 164-175.	3.1	179
11	<i>SHEPHERD</i> is the <i>Arabidopsis</i> <i>GRP94</i> responsible for the formation of functional <i>CLAVATA</i> proteins. <i>EMBO Journal</i> , 2002, 21, 898-908.	7.8	153
12	Development of R4 Gateway Binary Vectors (R4pGWB) Enabling High-Throughput Promoter Swapping for Plant Research. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 624-629.	1.3	122
13	Regulation of <i>CAPRICE</i> Transcription by MYB Proteins for Root Epidermis Differentiation in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2005, 46, 817-826.	3.1	109
14	Overexpression of chlorophyllide a oxygenase ( <i>CAO</i> ) enlarges the antenna size of photosystem II in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2001, 26, 365-373.	5.7	103
15	The <i>HALTED ROOT</i> gene encoding the 26S proteasome subunit <i>RPT2a</i> is essential for the maintenance of <i>Arabidopsis</i> meristems. <i>Development (Cambridge)</i> , 2004, 131, 2101-2111.	2.5	101
16	Sugar-inducible expression of the nucleolin-1 gene of <i>Arabidopsis thaliana</i> and its role in ribosome synthesis, growth and development. <i>Plant Journal</i> , 2007, 49, 1053-1063.	5.7	94
17	Gateway vectors for plant transformation. <i>Plant Biotechnology</i> , 2009, 26, 275-284.	1.0	94
18	Characterization and mapping of Ds-GUS-T-DNA lines for targeted insertional mutagenesis. <i>Plant Journal</i> , 1996, 10, 721-732.	5.7	92

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19	KNS4/UPEX1: A Type II Arabinogalactan (1,3)-Galactosyltransferase Required for Pollen Exine Development. <i>Plant Physiology</i> , 2017, 173, 183-205.	4.8	74
20	Identification of kaonashi Mutants Showing Abnormal Pollen Exine Structure in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2008, 49, 1465-1477.	3.1	67
21	The <i>Arabidopsis</i> FLAKY POLLEN1 Gene Encodes a 3-Hydroxy-3-Methylglutaryl-Coenzyme A Synthase Required for Development of Tapetum-Specific Organelles and Fertility of Pollen Grains. <i>Plant and Cell Physiology</i> , 2010, 51, 896-911.	3.1	65
22	RNA-Seq Analysis of the Response of the Halophyte, <i>Mesembryanthemum crystallinum</i> (Ice Plant) to High Salinity. <i>PLoS ONE</i> , 2015, 10, e0118339.	2.5	62
23	MAA3 (MAGATAMA3) Helicase Gene is Required for Female Gametophyte Development and Pollen Tube Guidance in <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 2008, 49, 1478-1483.	3.1	61
24	The <i>Arabidopsis</i> WAVY GROWTH 2 Protein Modulates Root Bending in Response to Environmental Stimuli. <i>Plant Cell</i> , 2005, 17, 537-547.	6.6	53
25	Sugar-responsible elements in the promoter of a gene for beta-amylase of sweet potato. <i>Plant Molecular Biology</i> , 2001, 46, 627-637.	3.9	49
26	The nuclear factor SP8BF binds to the 5'-upstream regions of three different genes coding for major proteins of sweet potato tuberous roots. <i>Plant Molecular Biology</i> , 1992, 18, 97-108.	3.9	42
27	Jasmonic acid facilitates flower opening and floral organ development through the upregulated expression of SIMYB21 transcription factor in tomato. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 292-303.	1.3	41
28	ARF6 and ARF8 contribute to tissue reunion in incised <i>Arabidopsis</i> inflorescence stems. <i>Plant Biotechnology</i> , 2014, 31, 49-53.	1.0	34
29	Development and disintegration of tapetum-specific lipid-accumulating organelles, elaioplasts and tapetosomes, in <i>Arabidopsis thaliana</i> and <i>Brassica napus</i> . <i>Plant Science</i> , 2013, 207, 25-36.	3.6	33
30	The WAVY GROWTH E3 ligase family controls the gravitropic response in <i>Arabidopsis</i> roots. <i>Plant Journal</i> , 2012, 70, 303-314.	5.7	31
31	<i>Arabidopsis</i> RPT2a Encoding the 26S Proteasome Subunit is Required for Various Aspects of Root Meristem Maintenance, and Regulates Gametogenesis Redundantly with its Homolog, RPT2b. <i>Plant and Cell Physiology</i> , 2011, 52, 1628-1640.	3.1	23
32	Wound-induced expression of DEFECTIVE IN ANther DEHISCENCE1 and DAD1-like lipase genes is mediated by both CORONATINE INSENSITIVE1-dependent and independent pathways in <i>Arabidopsis thaliana</i> . <i>Plant Cell Reports</i> , 2014, 33, 849-860.	5.6	21
33	Development of Gateway Binary Vectors, R4L1pGWBs, for Promoter Analysis in Higher Plants. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 2556-2559.	1.3	20
34	Cloning and Sequence Analysis of Genes for Cyclophilin from <i>Arabidopsis thaliana</i> . <i>Plant and Cell Physiology</i> , 1995, 36, 377-382.	3.1	17
35	Title is missing!. <i>Molecular Breeding</i> , 2003, 11, 325-336.	2.1	15
36	EPIDERMAL PATTERNING FACTOR LIKE5 Peptide Represses Stomatal Development by Inhibiting Meristemoid Maintenance in <i>Arabidopsis thaliana</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 1287-1295.	1.3	14

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37	Development of the Mitsucal computer system to identify causal mutation with a high-throughput sequencer. <i>Plant Reproduction</i> , 2018, 31, 117-128.	2.2	14
38	Potentiation of retinoic acid-induced differentiation of HL-60 cells by prostaglandin EP2 receptor. <i>Prostaglandins and Other Lipid Mediators</i> , 1998, 56, 145-153.	1.9	13
39	Enhanced homologous recombination caused by the non-transcribed spacer of the rDNA in <i>Arabidopsis</i> . <i>Molecular Genetics and Genomics</i> , 2001, 266, 546-555.	2.1	13
40	Development of an R4 dual-site (R4DS) gateway cloning system enabling the efficient simultaneous cloning of two desired sets of promoters and open reading frames in a binary vector for plant research. <i>PLoS ONE</i> , 2017, 12, e0177889.	2.5	6
41	The Genetic Basis of Phenotype Expression in Plants. <i>Plant Species Biology</i> , 1996, 11, 115-139.	1.0	5
42	A Cytokinin-Repressed Gene in Cucumber for a bHLH Protein Homologue is Regulated by Light. <i>Plant and Cell Physiology</i> , 1999, 40, 1087-1092.	3.1	5
43	NERD1 is required for primexine formation and plasma membrane undulation during microsporogenesis in <i>Arabidopsis thaliana</i> . <i>ABIOTECH</i> , 2020, 1, 205-218.	3.9	4
44	Myrmecosymbiosis in the Bornean <i>Macaranga</i> species with special reference to food bodies (Beccarian) Tj ETQq0 0,0 rgBT /Oyerlock 10	1.0	3
45	Gateway binary vectors with organelle-targeted fluorescent proteins for highly sensitive reporter assay in gene expression analysis of plants. <i>Journal of Biotechnology</i> , 2019, 297, 19-27.	3.8	2
46	Regulatory systems of root patterning. <i>Journal of Plant Research</i> , 1998, 111, 315-321.	2.4	1