

Sang-Tae Kim

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

5,996
citations

257357

24
h-index

233338

45
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58
all docs

58
docs citations

58
times ranked

7737
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial Hub Taxa Link Host and Abiotic Factors to Plant Microbiome Variation. <i>PLoS Biology</i> , 2016, 14, e1002352.	2.6	1,065
2	DNA-free genome editing in plants with preassembled CRISPR-Cas9 ribonucleoproteins. <i>Nature Biotechnology</i> , 2015, 33, 1162-1164.	9.4	975
3	Correction of a pathogenic gene mutation in human embryos. <i>Nature</i> , 2017, 548, 413-419.	13.7	781
4	CRISPR/Cpf1-mediated DNA-free plant genome editing. <i>Nature Communications</i> , 2017, 8, 14406.	5.8	386
5	Adenine base editing in mouse embryos and an adult mouse model of Duchenne muscular dystrophy. <i>Nature Biotechnology</i> , 2018, 36, 536-539.	9.4	345
6	Highly efficient RNA-guided base editing in mouse embryos. <i>Nature Biotechnology</i> , 2017, 35, 435-437.	9.4	330
7	Species-wide Genetic Incompatibility Analysis Identifies Immune Genes as Hot Spots of Deleterious Epistasis. <i>Cell</i> , 2014, 159, 1341-1351.	13.5	247
8	Genome-wide target specificities of CRISPR RNA-guided programmable deaminases. <i>Nature Biotechnology</i> , 2017, 35, 475-480.	9.4	239
9	Precision genome engineering through adenine base editing in plants. <i>Nature Plants</i> , 2018, 4, 427-431.	4.7	227
10	Local-Scale Patterns of Genetic Variability, Outcrossing, and Spatial Structure in Natural Stands of <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2010, 6, e1000890.	1.5	172
11	Web-based design and analysis tools for CRISPR base editing. <i>BMC Bioinformatics</i> , 2018, 19, 542.	1.2	127
12	Single Geographic Origin of a Widespread Autotetraploid <i>Arabidopsis arenosa</i> Lineage Followed by Interploidy Admixture. <i>Molecular Biology and Evolution</i> , 2015, 32, 1382-1395.	3.5	120
13	Allopolyploid speciation in <i>Persicaria</i> (Polygonaceae): Insights from a low-copy nuclear region. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12370-12375.	3.3	102
14	Taxonomic and biogeographic implications of a phylogenetic analysis of the Campanulaceae based on three chloroplast genes. <i>Taxon</i> , 2009, 58, 715-734.	0.4	72
15	Historical biogeography of the endemic Campanulaceae of Crete. <i>Journal of Biogeography</i> , 2009, 36, 1253-1269.	1.4	66
16	A simple, flexible and high-throughput cloning system for plant genome editing via CRISPR-Cas system. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 705-712.	4.1	61
17	RPW8/HR repeats control NLR activation in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2019, 15, e1008313.	1.5	56
18	Incongruence between cpDNA and nrITS trees indicates extensive hybridization within <i>Eupersicaria</i> (<i>Polygonaceae</i>). <i>American Journal of Botany</i> , 2008, 95, 1122-1135.	0.8	55

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19	Activation of the <i>Arabidopsis thaliana</i> Immune System by Combinations of Common ACD6 Alleles. <i>PLoS Genetics</i> , 2014, 10, e1004459.	1.5	54
20	What causes mating system shifts in plants? <i>Arabidopsis lyrata</i> as a case study. <i>Heredity</i> , 2017, 118, 52-63.	1.2	54
21	Molecular phylogeny of <i>Persicaria</i> (Persicarieae, Polygonaceae). <i>Systematic Botany</i> , 2008, 33, 77-86.	0.2	53
22	The patterns of deleterious mutations during the domestication of soybean. <i>Nature Communications</i> , 2021, 12, 97.	5.8	49
23	Novel allelic variants in <i>ACD6</i> cause hybrid necrosis in local collection of <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2017, 213, 900-915.	3.5	40
24	Ma et al. reply. <i>Nature</i> , 2018, 560, E10-E23.	13.7	37
25	Genetics of autoimmunity in plants: an evolutionary genetics perspective. <i>New Phytologist</i> , 2021, 229, 1215-1233.	3.5	32
26	Digenome-seq web tool for profiling CRISPR specificity. <i>Nature Methods</i> , 2017, 14, 548-549.	9.0	31
27	Modulation of ACD6 dependent hyperimmunity by natural alleles of an <i>Arabidopsis thaliana</i> NLR resistance gene. <i>PLoS Genetics</i> , 2018, 14, e1007628.	1.5	25
28	Trowel: a fast and accurate error correction module for Illumina sequencing reads. <i>Bioinformatics</i> , 2014, 30, 3264-3265.	1.8	23
29	Response to "Unexpected mutations after CRISPR-Cas9 editing in vivo" <i>Nature Methods</i> , 2018, 15, 239-240.	9.0	22
30	Targeted Genome Editing for Crop Improvement. <i>Plant Breeding and Biotechnology</i> , 2015, 3, 283-290.	0.3	21
31	The efficacy of CRISPR-mediated cytosine base editing with the RPS5a promoter in <i>Arabidopsis thaliana</i> . <i>Scientific Reports</i> , 2021, 11, 8087.	1.6	20
32	Genotyping-by-sequencing-based identification of <i>Arabidopsis</i> pattern recognition receptor RLP32 recognizing proteobacterial translation initiation factor IF1. <i>Nature Communications</i> , 2022, 13, 1294.	5.8	20
33	The Functional Association of ACQOS/VICTR with Salt Stress Resistance in <i>Arabidopsis thaliana</i> Was Confirmed by CRISPR-Mediated Mutagenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11389.	1.8	17
34	Genome-Wide Identification and Expression Profiling of the PDI Gene Family Reveals Their Probable Involvement in Abiotic Stress Tolerance in Tomato (<i>Solanum lycopersicum</i> L.). <i>Genes</i> , 2021, 12, 23.	1.0	13
35	Off-the-Shelf, Immune-Compatible Human Embryonic Stem Cells Generated Via CRISPR-Mediated Genome Editing. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 1053-1067.	1.7	7
36	The complete chloroplast genome of <i>Diarrhron linifolium</i> (Thymelaeaceae), a species found on a limestone outcrop in eastern Asia. <i>Korean Journal of Plant Taxonomy</i> , 2021, 51, 345-352.	0.3	7

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37	Guidelines for C to T base editing in plants: base-editing window, guide RNA length, and efficient promoter. <i>Plant Biotechnology Reports</i> , 2019, 13, 533-541.	0.9	6
38	A zero-background CRISPR binary vector system for construction of sgRNA libraries in plant functional genomics applications. <i>Plant Biotechnology Reports</i> , 2019, 13, 543-551.	0.9	4
39	A systematic study on Fallopia section Fallopia (Polygonaceae). <i>Korean Journal of Plant Taxonomy</i> , 2000, 30, 35-54.	0.3	3
40	Oxidative stress response and programmed cell death guided by NAC013 modulate pithiness in radish taproots. <i>Plant Journal</i> , 2021, , .	2.8	2
41	On the resurrection of <i>Persicaria puritanorum</i> (Polygonaceae). <i>Phytotaxa</i> , 2017, 308, 20.	0.1	1
42	A Cryptic Invader of the Genus <i>Persicaria</i> (Polygonaceae) in La Palma and Gran Canaria (Spain, Canary) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	1
43	Off-the-Shelf, Immune-Compatible Human Embryonic Stem Cells Generated Via CRISPR-Mediated Genome Editing. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
44	The complete chloroplast genome of <i>Atriplex gmelinii</i> C. A. Mey. ex Bong. (Amaranthaceae). <i>Mitochondrial DNA Part B: Resources</i> , 2022, 7, 541-543.	0.2	0
45	The complete chloroplast genome of <i>Utricularia tenuicaulis</i> Miki (Lentibulariaceae) isolated in Korea. <i>Mitochondrial DNA Part B: Resources</i> , 2022, 7, 1143-1145.	0.2	0