Lan-Ying Lee

List of Publications by Year
in descending order

30 papers	2,252 citations	361413 20 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	2743 citing authors

#	Article	IF	Citations
1	Subcellular Localization of Interacting Proteins by Bimolecular Fluorescence Complementation in Planta. Journal of Molecular Biology, 2006, 362, 1120-1131.	4.2	352
2	Vectors for multi-color bimolecular fluorescence complementation to investigate protein-protein interactions in living plant cells. Plant Methods, 2008, 4, 24.	4.3	224
3	Application of protoplast technology to CRISPR/Cas9 mutagenesis: from singleâ€cell mutation detection to mutant plant regeneration. Plant Biotechnology Journal, 2018, 16, 1295-1310.	8.3	222
4	T-DNA Binary Vectors and Systems. Plant Physiology, 2008, 146, 325-332.	4.8	186
5	Identification of Arabidopsis rat Mutants. Plant Physiology, 2003, 132, 494-505.	4.8	159
6	Characterization of the Arabidopsis Lysine-Rich Arabinogalactan-Protein AtAGP17 Mutant (rat1) That Results in a Decreased Efficiency of Agrobacterium Transformation. Plant Physiology, 2004, 135, 2162-2171.	4.8	149
7	IMPa-4, an<i>Arabidopsis</i>Importin Î± Isoform, Is Preferentially Involved in<i>Agrobacterium</i>-Mediated Plant Transformation. Plant Cell, 2008, 20, 2661-2680.	6.6	132
8	The Arabidopsis AtLIG4 gene is required for the repair of DNA damage, but not for the integration of Agrobacterium T-DNA. Nucleic Acids Research, 2003, 31, 4247-4255.	14.5	87
9	Generation of Backbone-Free, Low Transgene Copy Plants by Launching T-DNA from the<i>Agrobacterium</i>Chromosome. Plant Physiology, 2010, 152, 1158-1166.	4.8	74
10	Overexpression of Several<i>Arabidopsis</i>Histone Genes Increases<i>Agrobacterium</i>-Mediated Transformation and Transgene Expression in Plants. Plant Cell, 2009, 21, 3350-3367.	6.6	71
11	Novel Plant Transformation Vectors Containing the Superpromoter. Plant Physiology, 2007, 145, 1294-1300.	4.8	67
12	Is VIP1 important for <i><scp>A</scp>grobacterium</i>â€mediated transformation?. Plant Journal, 2014, 79, 848-860.	5.7	66
13	Screening a cDNA Library for Proteinâ€“Protein Interactions Directly in Planta. Plant Cell, 2012, 24, 1746-1759.	6.6	60
14	Antirestriction protein ard (type C) encoded by IncW plasmid psa has a high similarity to the â€œprotein transportâ€• domain of TraC1 primase of promiscuous plasmid RP4 1 1Edited by M. Gottesman. Journal of Molecular Biology, 2000, 296, 969-977.	4.2	55
15	Cytokinins Secreted by <i>Agrobacterium</i> Promote Transformation by Repressing a Plant Myb Transcription Factor. Science Signaling, 2013, 6, ra100.	3.6	52
16	pSa Causes Oncogenic Suppression of Agrobacterium by Inhibiting VirE2 Protein Export. Journal of Bacteriology, 1999, 181, 186-196.	2.2	44
17	<i>Agrobacterium</i> Tâ€<scp>DNA</scp> integration into the plant genome can occur without the activity of key nonâ€homologous endâ€joining proteins. Plant Journal, 2015, 81, 934-946.	5.7	43
18	Somaclonal variation does not preclude the use of rice transformants for genetic screening. Plant Journal, 2016, 85, 648-659.	5.7	34

#	ARTICLE	IF	CITATIONS
19	<i>Agrobacterium</i> Tâ€DNA integration in somatic cells does not require the activity of DNA polymerase Î¸. New Phytologist, 2021, 229, 2859-2872.	7.3	30
20	Application of Cas12a and nCas9-activation-induced cytidine deaminase for genome editing and as a non-sexual strategy to generate homozygous/multiplex edited plants in the allotetraploid genome of tobacco. Plant Molecular Biology, 2019, 101, 355-371.	3.9	27
21	The Agrobacterium rhizogenes GALLS Gene Encodes Two Secreted Proteins Required for Genetic Transformation of Plants. Journal of Bacteriology, 2009, 191, 355-364.	2.2	22
22	VIP1 and Its Homologs Are Not Required for Agrobacterium-Mediated Transformation, but Play a Role in Botrytis and Salt Stress Responses. Frontiers in Plant Science, 2018, 9, 749.	3.6	21
23	<i>Agrobacterium-</i> delivered VirE2 interacts with host nucleoporin CG1 to facilitate the nuclear import of VirE2-coated T complex. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26389-26397.	7.1	17
24	Osa Protein Constitutes a Strong Oncogenic Suppression System That Can Block vir-Dependent Transfer of IncQ Plasmids between Agrobacterium Cells and the Establishment of IncQ Plasmids in Plant Cells. Journal of Bacteriology, 2004, 186, 7254-7261.	2.2	12
25	Novel Constructions to Enable the Integration of Genes into the Agrobacterium tumefaciens C58 Chromosome. Molecular Plant-Microbe Interactions, 2001, 14, 577-579.	2.6	11
26	Bimolecular Fluorescence Complementation for Imaging Protein Interactions in Plant Hosts of Microbial Pathogens. Methods in Molecular Biology, 2014, 1197, 185-208.	0.9	10
27	An armadillo-domain protein participates in a telomerase interaction network. Plant Molecular Biology, 2018, 97, 407-420.	3.9	9
28	Agrobacterium VirE2 Protein Modulates Plant Gene Expression and Mediates Transformation From Its Location Outside the Nucleus. Frontiers in Plant Science, 2021, 12, 684192.	3.6	8
29	cDNA Library Screening Identifies Protein Interactors Potentially Involved in Non-Telomeric Roles of Arabidopsis Telomerase. Frontiers in Plant Science, 2015, 6, 985.	3.6	5
30	Characterization of T-Circles and Their Formation Reveal Similarities to Agrobacterium T-DNA Integration Patterns. Frontiers in Plant Science, 2022, 13, .	3.6	3