

Yule Liu

List of Publications by Year in descending order

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117
papers

21,035
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38742

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Live imaging and quantitation of insect feeding-induced Ca ²⁺ signal using GCaMP3-based system in <i>Nicotiana benthamiana</i> . STAR Protocols, 2022, 3, 101040.	1.2	1
2	Plant virus infection disrupts vacuolar acidification and autophagic degradation for the effective infection. Autophagy, 2022, 18, 705-706.	9.1	5
3	Linking calcium and RNAi signaling in plants. Trends in Plant Science, 2022, 27, 328-330.	8.8	6
4	A viral protein disrupts vacuolar acidification to facilitate virus infection in plants. EMBO Journal, 2022, 41, e108713.	7.8	15
5	Autophagy in plant viral infection. FEBS Letters, 2022, 596, 2152-2162.	2.8	18
6	Linking Autophagy to Potential Agronomic Trait Improvement in Crops. International Journal of Molecular Sciences, 2022, 23, 4793.	4.1	1
7	Diversity, structure and function of the coiled-coil domains of plant NLR immune receptors. Journal of Integrative Plant Biology, 2021, 63, 283-296.	8.5	15
8	The plant protein NbP3IP directs degradation of Rice stripe virus p3 silencing suppressor protein to limit virus infection through interaction with the autophagy-related protein NbATG8. New Phytologist, 2021, 229, 1036-1051.	7.3	49
9	A calmodulin-binding transcription factor links calcium signaling to antiviral RNAi defense in plants. Cell Host and Microbe, 2021, 29, 1393-1406.e7.	11.0	54
10	Efficient and high-throughput pseudorecombinant-chimeric Cucumber mosaic virus-based VIGS in maize. Plant Physiology, 2021, 187, 2865-2876.	4.8	15
11	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,342 1,430	9.1	1,430
12	Plant protein P3IP participates in the regulation of autophagy in <i>Nicotiana benthamiana</i> . Plant Signaling and Behavior, 2021, 16, 1861768.	2.4	3
13	Role of autophagy during plant-virus interactions. Seminars in Cell and Developmental Biology, 2020, 101, 36-40.	5.0	44
14	Autophagy in Plant-Virus Interactions. Annual Review of Virology, 2020, 7, 403-419.	6.7	62
15	METHYLTRANSFERASE1 and Ripening Modulate Vivipary during Tomato Fruit Development. Plant Physiology, 2020, 183, 1883-1897.	4.8	14
16	Molecular and functional characterization of the SBP-box transcription factor SPL-CNR in tomato fruit ripening and cell death. Journal of Experimental Botany, 2020, 71, 2995-3011.	4.8	23
17	Foxtail mosaic virus-induced flowering assays in monocot crops. Journal of Experimental Botany, 2020, 71, 3012-3023.	4.8	10
18	Cotton leaf curl Multan virus C1 Protein Induces Autophagy by Disrupting the Interaction of Autophagy-Related Protein 3 with Glyceraldehyde-3-Phosphate Dehydrogenases[OPEN]. Plant Cell, 2020, 32, 1124-1135.	6.6	55

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19	Plant NLR immune receptor Tm-22 activation requires NB-ARC domain-mediated self-association of CC domain. <i>PLoS Pathogens</i> , 2020, 16, e1008475.	4.7	44
20	Engineer complete resistance to Cotton Leaf Curl Multan virus by the CRISPR/Cas9 system in <i>Nicotiana benthamiana</i> . <i>Phytopathology Research</i> , 2019, 1, .	2.4	57
21	Graphene Oxide Promoted Cadmium Uptake by Rice in Soil. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10283-10292.	6.7	29
22	Actin filaments are dispensable for bulk autophagy in plants. <i>Autophagy</i> , 2019, 15, 2126-2141.	9.1	19
23	Geminiviral V2 Protein Suppresses Transcriptional Gene Silencing through Interaction with AGO4. <i>Journal of Virology</i> , 2019, 93, .	3.4	38
24	Virus-induced gene silencing database for phenomics and functional genomics in <i>Nicotiana benthamiana</i> . <i>Plant Direct</i> , 2018, 2, e00055.	1.9	15
25	Plant G proteins interact with endoplasmic reticulum luminal protein receptors to regulate endoplasmic reticulum retrieval. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 541-561.	8.5	7
26	Dimerization of p15RS mediated by a leucine zipper-like motif is critical for its inhibitory role on Wnt signaling. <i>Journal of Biological Chemistry</i> , 2018, 293, 7618-7628.	3.4	2
27	A Genetic Network for Systemic RNA Silencing in Plants. <i>Plant Physiology</i> , 2018, 176, 2700-2719.	4.8	47
28	<i>Arabidopsis</i> ARGONAUTE 1 Binds Chromatin to Promote Gene Transcription in Response to Hormones and Stresses. <i>Developmental Cell</i> , 2018, 44, 348-361.e7.	7.0	121
29	Essential role of <i>NbNOG1</i> in ribosomal RNA processing. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 1018-1022.	8.5	3
30	Cotton Leaf Curl Multan virus C4 protein suppresses both transcriptional and post-transcriptional gene silencing by interacting with SAM synthetase. <i>PLoS Pathogens</i> , 2018, 14, e1007282.	4.7	93
31	<i>Barley stripe mosaic virus</i> Î³b Protein Subverts Autophagy to Promote Viral Infection by Disrupting the ATG7-ATG8 Interaction. <i>Plant Cell</i> , 2018, 30, 1582-1595.	6.6	114
32	Hsp90 Interacts With Tm-22 and Is Essential for Tm-22-Mediated Resistance to Tobacco mosaic virus. <i>Frontiers in Plant Science</i> , 2018, 9, 411.	3.6	25
33	Editorial: Protein Quality Controlling Systems in Plant Responses to Environmental Stresses. <i>Frontiers in Plant Science</i> , 2018, 9, 908.	3.6	5
34	Improved apple latent spherical virus-induced gene silencing in multiple soybean genotypes through direct inoculation of agro-infiltrated <i>Nicotiana benthamiana</i> extract. <i>Plant Methods</i> , 2018, 14, 19.	4.3	16
35	Graphene oxide as an antimicrobial agent can extend the vase life of cut flowers. <i>Nano Research</i> , 2018, 11, 6010-6022.	10.4	28
36	Examining Autophagy in Plant by Transmission Electron Microscopy (TEM). <i>Bio-protocol</i> , 2018, 8, e3047.	0.4	6

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37	Arabidopsis formin 2 regulates cell-to-cell trafficking by capping and stabilizing actin filaments at plasmodesmata. <i>ELife</i> , 2018, 7, .	6.0	56
38	Viral effector protein manipulates host hormone signaling to attract insect vectors. <i>Cell Research</i> , 2017, 27, 402-415.	12.0	115
39	Antiviral Resistance Protein Tm-2 ² Functions on the Plasma Membrane. <i>Plant Physiology</i> , 2017, 173, 2399-2410.	4.8	59
40	A Virus-Induced Assay for Functional Dissection and Analysis of Monocot and Dicot Flowering Time Genes. <i>Plant Physiology</i> , 2017, 174, 875-885.	4.8	11
41	Roles of Dicer-Like Proteins 2 and 4 in Intra- and Intercellular Antiviral Silencing. <i>Plant Physiology</i> , 2017, 174, 1067-1081.	4.8	57
42	Plant Bax Inhibitor-1 interacts with ATG6 to regulate autophagy and programmed cell death. <i>Autophagy</i> , 2017, 13, 1161-1175.	9.1	76
43	Temperature-dependent autoimmunity mediated by chs1 requires its neighboring TNL gene SOC3. <i>New Phytologist</i> , 2017, 213, 1330-1345.	7.3	55
44	Editorial: Plant Immunity against Viruses. <i>Frontiers in Microbiology</i> , 2017, 8, 520.	3.5	7
45	Autophagy functions as an antiviral mechanism against geminiviruses in plants. <i>ELife</i> , 2017, 6, .	6.0	169
46	Use of Geminivirus for Delivery of CRISPR/Cas9 Components to Tobacco by Agro-infiltration. <i>Bio-protocol</i> , 2017, 7, e2209.	0.4	3
47	Chloroplast in Plant-Virus Interaction. <i>Frontiers in Microbiology</i> , 2016, 7, 1565.	3.5	205
48	Tomato plant cell death induced by inhibition of HSP90 is alleviated by Tomato yellow leaf curl virus infection. <i>Molecular Plant Pathology</i> , 2016, 17, 247-260.	4.2	42
49	The Involvement of HSP70 and HSP90 in Tomato Yellow Leaf Curl Virus Infection in Tomato Plants and Insect Vectors. <i>Heat Shock Proteins</i> , 2016, , 189-207.	0.2	6
50	Foxtail Mosaic Virus-Induced Gene Silencing in Monocot Plants. <i>Plant Physiology</i> , 2016, 171, 1801-1807.	4.8	89
51	An efficient Potato virus X -based microRNA silencing in <i>Nicotiana benthamiana</i> . <i>Scientific Reports</i> , 2016, 6, 20573.	3.3	38
52	Functional links between microtubules, autophagy and leaf starch degradation in plants. <i>Plant Signaling and Behavior</i> , 2016, 11, e1201626.	2.4	3
53	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
54	CLCuMuB Î²C1 Subverts Ubiquitination by Interacting with NbSKP1s to Enhance Geminivirus Infection in <i>Nicotiana benthamiana</i> . <i>PLoS Pathogens</i> , 2016, 12, e1005668.	4.7	93

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55	Virus-based MicroRNA Silencing. Bio-protocol, 2016, 6, .	0.4	2
56	Requirement of CHROMOMETHYLASE3 for somatic inheritance of the spontaneous tomato epimutation Colourless non-ripening. Scientific Reports, 2015, 5, 9192.	3.3	56
57	A geminivirus-based guide RNA delivery system for CRISPR/Cas9 mediated plant genome editing. Scientific Reports, 2015, 5, 14926.	3.3	179
58	Regulation of Jasmonate-Induced Leaf Senescence by Antagonism between bHLH Subgroup IIIe and IIIc Factors in Arabidopsis. Plant Cell, 2015, 27, 1634-1649.	6.6	247
59	Tuning LeSPL-CNR expression by SlymiR157 affects tomato fruit ripening. Scientific Reports, 2015, 5, 7852.	3.3	67
60	Cytoplasmic Glyceraldehyde-3-Phosphate Dehydrogenases Interact with ATG3 to Negatively Regulate Autophagy and Immunity in <i>Nicotiana benthamiana</i> . Plant Cell, 2015, 27, 1316-1331.	6.6	167
61	Disruption of microtubules in plants suppresses macroautophagy and triggers starch excess-associated chloroplast autophagy. Autophagy, 2015, 11, 2259-2274.	9.1	48
62	Virus-Based MicroRNA Silencing in Plants. Plant Physiology, 2014, 164, 36-47.	4.8	78
63	Molecular Mechanism of Plant Antiviral Defense. Scientia Sinica Vitae, 2014, 44, 999-1009.	0.3	0
64	Virus-Induced Gene Silencing. Methods in Molecular Biology, 2013, , .	0.9	8
65	Partial deficiency of isoleucine impairs root development and alters transcript levels of the genes involved in branched-chain amino acid and glucosinolate metabolism in Arabidopsis. Journal of Experimental Botany, 2013, 64, 599-612.	4.8	39
66	Tm-22 Confers Different Resistance Responses against Tobacco mosaic virus Dependent on Its Expression Level. Molecular Plant, 2013, 6, 971-974.	8.3	33
67	SGT1 interacts with the Prf resistance protein and is required for Prf accumulation and Prf-mediated defense signaling. Biochemical and Biophysical Research Communications, 2013, 431, 501-505.	2.1	27
68	Virus-Induced Gene Silencing Using Artificial miRNAs in <i>Nicotiana benthamiana</i> . Methods in Molecular Biology, 2013, 975, 99-107.	0.9	13
69	Autophagy Contributes to Leaf Starch Degradation. Plant Cell, 2013, 25, 1383-1399.	6.6	217
70	Type I J-Domain NbMIP1 Proteins Are Required for Both Tobacco Mosaic Virus Infection and Plant Innate Immunity. PLoS Pathogens, 2013, 9, e1003659.	4.7	46
71	Autophagic degradation of leaf starch in plants. Autophagy, 2013, 9, 1247-1248.	9.1	24
72	Development of Agrobacterium-Mediated Virus-Induced Gene Silencing and Performance Evaluation of Four Marker Genes in <i>Gossypium barbadense</i> . PLoS ONE, 2013, 8, e73211.	2.5	79

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73	Structure-Function Analysis of Barley NLR Immune Receptor MLA10 Reveals Its Cell Compartment Specific Activity in Cell Death and Disease Resistance. <i>PLoS Pathogens</i> , 2012, 8, e1002752.	4.7	219
74	Plant ERD2s self-interact and interact with GTPase-activating proteins and ADP-ribosylation factor 1. <i>Plant Signaling and Behavior</i> , 2012, 7, 1092-1094.	2.4	7
75	The Rubisco Small Subunit Is Involved in Tobamovirus Movement and Tm-22-Mediated Extreme Resistance. <i>Plant Physiology</i> , 2012, 161, 374-383.	4.8	90
76	Involvement of RDR6 in short-range intercellular RNA silencing in <i>Nicotiana benthamiana</i> . <i>Scientific Reports</i> , 2012, 2, 467.	3.3	26
77	Virus-induced gene complementation reveals a transcription factor network in modulation of tomato fruit ripening. <i>Scientific Reports</i> , 2012, 2, 836.	3.3	32
78	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
79	Plant ERD2-like proteins function as endoplasmic reticulum luminal protein receptors and participate in programmed cell death during innate immunity. <i>Plant Journal</i> , 2012, 72, 57-69.	5.7	43
80	Mobile FT mRNA contributes to the systemic florigen signalling in floral induction. <i>Scientific Reports</i> , 2011, 1, 73.	3.3	88
81	Influence of retinoblastoma-related gene silencing on the initiation of DNA replication by African cassava mosaic virus Rep in cells of mature leaves in <i>Nicotiana benthamiana</i> plants. <i>Virology Journal</i> , 2011, 8, 561.	3.4	14
82	Role of plant autophagy in stress response. <i>Protein and Cell</i> , 2011, 2, 784-791.	11.0	104
83	The Jasmonate-ZIM Domain Proteins Interact with the R2R3-MYB Transcription Factors MYB21 and MYB24 to Affect Jasmonate-Regulated Stamen Development in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2011, 23, 1000-1013.	6.6	502
84	The bHLH Transcription Factor MYC3 Interacts with the Jasmonate ZIM-Domain Proteins to Mediate Jasmonate Response in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2011, 4, 279-288.	8.3	236
85	One-step, zero-background ligation-independent cloning intron-containing hairpin RNA constructs for RNAi in plants. <i>New Phytologist</i> , 2010, 187, 240-250.	7.3	50
86	Cotton leaf curl Multan virus newly reported to be associated with cotton leaf curl disease in China. <i>Plant Pathology</i> , 2010, 59, 794-795.	2.4	42
87	Virus-Based MicroRNA Expression for Gene Functional Analysis in Plants. <i>Plant Physiology</i> , 2010, 153, 632-641.	4.8	108
88	The Mi-1-Mediated Pest Resistance Requires Hsp90 and Sgt1. <i>Plant Physiology</i> , 2007, 144, 312-323.	4.8	142
89	A Ligation-Independent Cloning Tobacco Rattle Virus Vector for High-Throughput Virus-Induced Gene Silencing Identifies Roles for NbMADS4 and NbMADS2 in Floral Development. <i>Plant Physiology</i> , 2007, 145, 1161-1170.	4.8	177
90	Efficient Virus-Induced Gene Silencing in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2006, 142, 21-27.	4.8	297

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91	An alternative tandem affinity purification strategy applied to Arabidopsis protein complex isolation. <i>Plant Journal</i> , 2005, 41, 767-778.	5.7	235
92	Autophagy Regulates Programmed Cell Death during the Plant Innate Immune Response. <i>Cell</i> , 2005, 121, 567-577.	28.9	758
93	Genome-Wide ORFeome Cloning and Analysis of Arabidopsis Transcription Factor Genes. <i>Plant Physiology</i> , 2004, 135, 773-782.	4.8	205
94	Molecular Chaperone Hsp90 Associates with Resistance Protein N and Its Signaling Proteins SGT1 and Rar1 to Modulate an Innate Immune Response in Plants. <i>Journal of Biological Chemistry</i> , 2004, 279, 2101-2108.	3.4	299
95	Involvement of MEK1 MAPKK, NTF6 MAPK, WRKY/MYB transcription factors, COI1 and CTR1 in N-mediated resistance to tobacco mosaic virus. <i>Plant Journal</i> , 2004, 38, 800-809.	5.7	252
96	Virus Induced Gene Silencing of a DEFICIENS Ortholog in Nicotiana Benthamiana. <i>Plant Molecular Biology</i> , 2004, 54, 701-711.	3.9	116
97	Isolation and identification of a super strong plant promoter from cotton leaf curl Multan virus. <i>Plant Molecular Biology</i> , 2003, 53, 1-14.	3.9	32
98	Two MAPK cascades, NPR1, and TGA transcription factors play a role in Pto-mediated disease resistance in tomato. <i>Plant Journal</i> , 2003, 36, 905-917.	5.7	310
99	Virus-Induced Gene Silencing. , 2003, 236, 287-294.		186
100	P58IPK, a Plant Ortholog of Double-Stranded RNA-Dependent Protein Kinase PKR Inhibitor, Functions in Viral Pathogenesis. <i>Developmental Cell</i> , 2003, 4, 651-661.	7.0	93
101	Role of SCF Ubiquitin-Ligase and the COP9 Signalosome in the N Gene-Mediated Resistance Response to Tobacco mosaic virus. <i>Plant Cell</i> , 2002, 14, 1483-1496.	6.6	306
102	The tobacco mosaic virus resistance gene, N. <i>Molecular Plant Pathology</i> , 2002, 3, 167-172.	4.2	92
103	Tobacco Rar1, EDS1 and NPR1/NIM1 like genes are required for N-mediated resistance to tobacco mosaic virus. <i>Plant Journal</i> , 2002, 30, 415-429.	5.7	901
104	Virus-induced gene silencing in tomato. <i>Plant Journal</i> , 2002, 31, 777-786.	5.7	1,357
105	Tomato yellow leaf curl China virus: monopartite genome organization and agroinfection of plants. <i>Virus Research</i> , 2001, 81, 69-76.	2.2	32
106	Expression of human hepatitis C virus core antigen in tobacco plants by tobacco mosaic virus-based vector system. <i>Science Bulletin</i> , 2000, 45, 44-48.	1.7	0
107	Discovery and demonstration of small circular DNA molecules derived from Chinese tomato yellow leaf curl virus. <i>Science Bulletin</i> , 2000, 45, 1417-1421.	1.7	2
108	Coat protein promoter from cotton leaf curl virus is not a tissue-specifically expressed promoter. <i>Science Bulletin</i> , 2000, 45, 1869-1874.	1.7	1

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109	There is the second virus that causes tobacco leaf curl disease (not TbLCV-CHI) in the field. <i>Science Bulletin</i> , 2000, 45, 1131-1137.	1.7	0
110	Chinese tomato yellow leaf curl virus“ a new species of geminivirus. <i>Science in China Series C: Life Sciences</i> , 1998, 41, 337-343.	1.3	13
111	Defective forms of cotton leaf curl virus DNA-A that have different combinations of sequence deletion, duplication, inversion and rearrangement.. <i>Journal of General Virology</i> , 1998, 79, 1501-1508.	2.9	48
112	Four DNA-A variants among Pakistani isolates of cotton leaf curl virus and their affinities to DNA-A of geminivirus isolates from okra.. <i>Journal of General Virology</i> , 1998, 79, 915-923.	2.9	148
113	Evidence that DNA-A of a geminivirus associated with severe cassava mosaic disease in Uganda has arisen by interspecific recombination.. <i>Journal of General Virology</i> , 1997, 78, 2101-2111.	2.9	412
114	Ribozyme-mediated high resistance against potato spindle tuber viroid in transgenic potatoes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 4861-4865.	7.1	71
115	Role of a novel type of double infection in the geminivirus-induced epidemic of severe cassava mosaic in Uganda. <i>Annals of Applied Biology</i> , 1997, 131, 437-448.	2.5	154
116	Detection and relationships of cotton leaf curl virus and allied whitefly-transmitted geminiviruses occurring in Pakistan. <i>Annals of Applied Biology</i> , 1997, 130, 61-75.	2.5	64
117	High Resistance to Cucumber Mosaic Virus Conferred by Satellite RNA and Coat Protein in Transgenic Commercial Tobacco Cultivar G-140. <i>Molecular Plant-Microbe Interactions</i> , 1992, 5, 460.	2.6	38