Yule Liu

List of Publications by Citations

113 papers	16,011 citations	46 h-index	122 g-index
122 ext. papers	18,857 ext. citations	7.3 avg, IF	5.89 L-index

#	Paper	IF	Citations
113	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
112	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
111	Virus-induced gene silencing in tomato. *Plant Journal*, **2002**, 31, 777-86	6.9	1080
110	Tobacco Rar1, EDS1 and NPR1/NIM1 like genes are required for N-mediated resistance to tobacco mosaic virus. *Plant Journal*, **2002**, 30, 415-29	6.9	739
109	Autophagy regulates programmed cell death during the plant innate immune response. *Cell*, **2005**, 121, 567-577	56.2	648
108	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). *Autophagy*, **2021**, 17, 1-382	10.2	440
107	The Jasmonate-ZIM domain proteins interact with the R2R3-MYB transcription factors MYB21 and MYB24 to affect Jasmonate-regulated stamen development in Arabidopsis. *Plant Cell*, **2011**, 23, 1000-13	11.6	375
106	Evidence that DNA-A of a geminivirus associated with severe cassava mosaic disease in Uganda has arisen by interspecific recombination. *Journal of General Virology*, **1997**, 78 (Pt 8), 2101-11	4.9	356
105	Role of SCF ubiquitin-ligase and the COP9 signalosome in the N gene-mediated resistance response to Tobacco mosaic virus. *Plant Cell*, **2002**, 14, 1483-96	11.6	278
104	Two MAPK cascades, NPR1, and TGA transcription factors play a role in Pto-mediated disease resistance in tomato. *Plant Journal*, **2003**, 36, 905-17	6.9	263
103	Molecular chaperone Hsp90 associates with resistance protein N and its signaling proteins SGT1 and Rar1 to modulate an innate immune response in plants. *Journal of Biological Chemistry*, **2004**, 279, 2101-8	5.4	259
102	Efficient virus-induced gene silencing in Arabidopsis. *Plant Physiology*, **2006**, 142, 21-7	6.6	240
101	Involvement of MEK1 MAPKK, NTF6 MAPK, WRKY/MYB transcription factors, COI1 and CTR1 in N-mediated resistance to tobacco mosaic virus. *Plant Journal*, **2004**, 38, 800-9	6.9	214
100	An alternative tandem affinity purification strategy applied to Arabidopsis protein complex isolation. *Plant Journal*, **2005**, 41, 767-78	6.9	200
99	The bHLH transcription factor MYC3 interacts with the Jasmonate ZIM-domain proteins to mediate jasmonate response in Arabidopsis. *Molecular Plant*, **2011**, 4, 279-88	14.4	193
98	Genome-wide ORFeome cloning and analysis of Arabidopsis transcription factor genes. *Plant Physiology*, **2004**, 135, 773-82	6.6	183
97	Structure-function analysis of barley NLR immune receptor MLA10 reveals its cell compartment specific activity in cell death and disease resistance. *PLoS Pathogens*, **2012**, 8, e1002752	7.6	168

96	Regulation of Jasmonate-Induced Leaf Senescence by Antagonism between bHLH Subgroup IIIe and IIId Factors in Arabidopsis. *Plant Cell*, **2015**, 27, 1634-49	11.6	167
95	Autophagy contributes to leaf starch degradation. *Plant Cell*, **2013**, 25, 1383-99	11.6	157
94	Virus-induced gene silencing. *Methods in Molecular Biology*, **2003**, 236, 287-94	1.4	153
93	A geminivirus-based guide RNA delivery system for CRISPR/Cas9 mediated plant genome editing. *Scientific Reports*, **2015**, 5, 14926	4.9	135
92	Role of a novel type of double infection in the geminivirus-induced epidemic of severe cassava mosaic in Uganda. *Annals of Applied Biology*, **1997**, 131, 437-448	2.6	130
91	A ligation-independent cloning tobacco rattle virus vector for high-throughput virus-induced gene silencing identifies roles for NbMADS4-1 and -2 in floral development. *Plant Physiology*, **2007**, 145, 1161-70	6.6	125
90	Chloroplast in Plant-Virus Interaction. *Frontiers in Microbiology*, **2016**, 7, 1565	5.7	124
89	The MI-1-mediated pest resistance requires Hsp90 and Sgt1. *Plant Physiology*, **2007**, 144, 312-23	6.6	121
88	Autophagy functions as an antiviral mechanism against geminiviruses in plants. *ELife*, **2017**, 6,	8.9	113
87	Four DNA-A variants among Pakistani isolates of cotton leaf curl virus and their affinities to DNA-A of geminivirus isolates from okra. *Journal of General Virology*, **1998**, 79 (Pt 4), 915-23	4.9	113
86	Cytoplastic Glyceraldehyde-3-Phosphate Dehydrogenases Interact with ATG3 to Negatively Regulate Autophagy and Immunity in Nicotiana benthamiana. *Plant Cell*, **2015**, 27, 1316-31	11.6	110
85	Virus induced gene silencing of a DEFICIENS ortholog in Nicotiana benthamiana. *Plant Molecular Biology*, **2004**, 54, 701-11	4.6	97
84	Virus-based microRNA expression for gene functional analysis in plants. *Plant Physiology*, **2010**, 153, 632-41	6.6	83
83	Role of plant autophagy in stress response. *Protein and Cell*, **2011**, 2, 784-91	7.2	82
82	P58(IPK), a plant ortholog of double-stranded RNA-dependent protein kinase PKR inhibitor, functions in viral pathogenesis. *Developmental Cell*, **2003**, 4, 651-61	10.2	80
81	Arabidopsis ARGONAUTE 1 Binds Chromatin to Promote Gene Transcription in Response to Hormones and Stresses. *Developmental Cell*, **2018**, 44, 348-361.e7	10.2	78
80	Viral effector protein manipulates host hormone signaling to attract insect vectors. *Cell Research*, **2017**, 27, 402-415	24.7	74
79	Mobile FT mRNA contributes to the systemic florigen signalling in floral induction. *Scientific Reports* , **2011**, 1, 73	4.9	73

78	Virus-based microRNA silencing in plants. *Plant Physiology*, **2014**, 164, 36-47	6.6	66
77	The rubisco small subunit is involved in tobamovirus movement and Tm-2²-mediated extreme resistance. *Plant Physiology*, **2013**, 161, 374-83	6.6	65
76	CLCuMuB βC1 Subverts Ubiquitination by Interacting with NbSKP1s to Enhance Geminivirus Infection in Nicotiana benthamiana. *PLoS Pathogens*, **2016**, 12, e1005668	7.6	65
75	βC1 Protein Subverts Autophagy to Promote Viral Infection by Disrupting the ATG7-ATG8 Interaction. *Plant Cell*, **2018**, 30, 1582-1595	11.6	65
74	Foxtail Mosaic Virus-Induced Gene Silencing in Monocot Plants. *Plant Physiology*, **2016**, 171, 1801-7	6.6	63
73	Ribozyme-mediated high resistance against potato spindle tuber viroid in transgenic potatoes. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 4861-5	11.5	59
72	The tobacco mosaic virus resistance gene, N. *Molecular Plant Pathology*, **2002**, 3, 167-72	5.7	59
71	Tuning LeSPL-CNR expression by SlymiR157 affects tomato fruit ripening. *Scientific Reports*, **2015**, 5, 7852	4.9	52
70	Detection and relationships of cotton leaf curl virus and allied whitefly-transmitted geminiviruses occurring in Pakistan. *Annals of Applied Biology*, **1997**, 130, 61-75	2.6	52
69	Cotton Leaf Curl Multan virus C4 protein suppresses both transcriptional and post-transcriptional gene silencing by interacting with SAM synthetase. *PLoS Pathogens*, **2018**, 14, e1007282	7.6	50
68	Plant Bax Inhibitor-1 interacts with ATG6 to regulate autophagy and programmed cell death. *Autophagy*, **2017**, 13, 1161-1175	10.2	46
67	Development of Agrobacterium-mediated virus-induced gene silencing and performance evaluation of four marker genes in Gossypium barbadense. *PLoS ONE*, **2013**, 8, e73211	3.7	45
66	Defective forms of cotton leaf curl virus DNA-A that have different combinations of sequence deletion, duplication, inversion and rearrangement. *Journal of General Virology*, **1998**, 79 (Pt 6), 1501-8	4.9	45
65	Requirement of CHROMOMETHYLASE3 for somatic inheritance of the spontaneous tomato epimutation Colourless non-ripening. *Scientific Reports*, **2015**, 5, 9192	4.9	44
64	One-step, zero-background ligation-independent cloning intron-containing hairpin RNA constructs for RNAi in plants. *New Phytologist*, **2010**, 187, 240-250	9.8	43
63	Temperature-dependent autoimmunity mediated by chs1 requires its neighboring TNL gene SOC3. *New Phytologist*, **2017**, 213, 1330-1345	9.8	42
62	Plant ERD2-like proteins function as endoplasmic reticulum luminal protein receptors and participate in programmed cell death during innate immunity. *Plant Journal*, **2012**, 72, 57-69	6.9	35
61	Roles of Dicer-Like Proteins 2 and 4 in Intra- and Intercellular Antiviral Silencing. *Plant Physiology*, **2017**, 174, 1067-1081	6.6	34

60	Type I J-domain NbMIP1 proteins are required for both Tobacco mosaic virus infection and plant innate immunity. *PLoS Pathogens*, **2013**, 9, e1003659	7.6	34
59	Cotton leaf curl Multan virus newly reported to be associated with cotton leaf curl disease in China. *Plant Pathology*, **2010**, 59, 794-795	2.8	34
58	formin 2 regulates cell-to-cell trafficking by capping and stabilizing actin filaments at plasmodesmata. *ELife*, **2018**, 7,	8.9	34
57	Engineer complete resistance to Cotton Leaf Curl Multan virus by the CRISPR/Cas9 system in Nicotiana benthamiana. *Phytopathology Research*, **2019**, 1,	4.1	33
56	Disruption of microtubules in plants suppresses macroautophagy and triggers starch excess-associated chloroplast autophagy. *Autophagy*, **2015**, 11, 2259-74	10.2	33
55	A Genetic Network for Systemic RNA Silencing in Plants. *Plant Physiology*, **2018**, 176, 2700-2719	6.6	33
54	Tomato plant cell death induced by inhibition of HSP90 is alleviated by Tomato yellow leaf curl virus infection. *Molecular Plant Pathology*, **2016**, 17, 247-60	5.7	30
53	Tomato yellow leaf curl China virus: monopartite genome organization and agroinfection of plants. *Virus Research*, **2001**, 81, 69-76	6.4	29
52	C1 Protein Induces Autophagy by Disrupting the Interaction of Autophagy-Related Protein 3 with Glyceraldehyde-3-Phosphate Dehydrogenases. *Plant Cell*, **2020**, 32, 1124-1135	11.6	28
51	An efficient Potato virus X -based microRNA silencing in Nicotiana benthamiana. *Scientific Reports*, **2016**, 6, 20573	4.9	28
50	Isolation and identification of a super strong plant promoter from cotton leaf curl Multan virus. *Plant Molecular Biology*, **2003**, 53, 1-14	4.6	28
49	Antiviral Resistance Protein Tm-2 Functions on the Plasma Membrane. *Plant Physiology*, **2017**, 173, 2399-2410	6.6	27
48	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	7	27
47	Virus-induced gene complementation reveals a transcription factor network in modulation of tomato fruit ripening. *Scientific Reports*, **2012**, 2, 836	4.9	27
46	High resistance to cucumber mosaic virus conferred by satellite RNA and coat protein in transgenic commercial tobacco cultivar G-140. *Molecular Plant-Microbe Interactions*, **1992**, 5, 460-5	3.6	27
45	Autophagy in Plant-Virus Interactions. *Annual Review of Virology*, **2020**, 7, 403-419	14.6	25
44	Geminiviral V2 Protein Suppresses Transcriptional Gene Silencing through Interaction with AGO4. *Journal of Virology*, **2019**, 93,	6.6	24
43	Involvement of RDR6 in short-range intercellular RNA silencing in Nicotiana benthamiana. *Scientific Reports*, **2012**, 2, 467	4.9	23

42	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, 501-5	3.4	20
41	Role of autophagy during plant-virus interactions. *Seminars in Cell and Developmental Biology*, **2020**, 101, 36-40	7.5	19
40	Graphene Oxide Promoted Cadmium Uptake by Rice in Soil. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 10283-10292	8.3	17
39	Tm-22 confers different resistance responses against tobacco mosaic virus dependent on its expression level. *Molecular Plant*, **2013**, 6, 971-4	14.4	15
38	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	9.8	15
37	Graphene oxide as an antimicrobial agent can extend the vase life of cut flowers. *Nano Research*, **2018**, 11, 6010-6022	10	14
36	Virus-induced gene silencing using artificial miRNAs in Nicotiana benthamiana. *Methods in Molecular Biology*, **2013**, 975, 99-107	1.4	13
35	Autophagic degradation of leaf starch in plants. *Autophagy*, **2013**, 9, 1247-8	10.2	13
34	Influence of retinoblastoma-related gene silencing on the initiation of DNA replication by African cassava mosaic virus Rep in cells of mature leaves in Nicotiana benthamiana plants. *Virology Journal* , **2011**, 8, 561	6.1	13
33	Virus-induced gene silencing database for phenomics and functional genomics in. *Plant Direct*, **2018** , 2, e00055	3.3	11
32	A calmodulin-binding transcription factor links calcium signaling to antiviral RNAi defense in plants. *Cell Host and Microbe*, **2021**, 29, 1393-1406.e7	23.4	11
31	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	7	10
30	Plant NLR immune receptor Tm-22 activation requires NB-ARC domain-mediated self-association of CC domain. *PLoS Pathogens*, **2020**, 16, e1008475	7.6	10
29	Actin filaments are dispensable for bulk autophagy in plants. *Autophagy*, **2019**, 15, 2126-2141	10.2	8
28	Improved apple latent spherical virus-induced gene silencing in multiple soybean genotypes through direct inoculation of agro-infiltrated extract. *Plant Methods*, **2018**, 14, 19	5.8	8
27	Chinese tomato yellow leaf curl virus- a new species of geminivirus. *Science in China Series C: Life Sciences*, **1998**, 41, 337-43		8
26	A Virus-Induced Assay for Functional Dissection and Analysis of Monocot and Dicot Flowering Time Genes. *Plant Physiology*, **2017**, 174, 875-885	6.6	7
25	Hsp90 Interacts With Tm-2 and Is Essential for -Mediated Resistance to. *Frontiers in Plant Science*, **2018**, 9, 411	6.2	7

24	and Ripening Modulate Vivipary during Tomato Fruit Development. *Plant Physiology*, **2020**, 183, 1883-1897	8.6	6
23	Foxtail mosaic virus-induced flowering assays in monocot crops. *Journal of Experimental Botany*, **2020**, 71, 3012-3023	7	6
22	Plant ERD2s self-interact and interact with GTPase-activating proteins and ADP-ribosylation factor 1. *Plant Signaling and Behavior*, **2012**, 7, 1092-4	2.5	6
21	Plant G proteins interact with endoplasmic reticulum luminal protein receptors to regulate endoplasmic reticulum retrieval. *Journal of Integrative Plant Biology*, **2018**, 60, 541-561	8.3	5
20	Virus-Induced Gene Silencing. *Methods in Molecular Biology*, **2013**,	1.4	5
19	Diversity, structure and function of the coiled-coil domains of plant NLR immune receptors. *Journal of Integrative Plant Biology*, **2021**, 63, 283-296	8.3	3
18	Dimerization of p15RS mediated by a leucine zipper-like motif is critical for its inhibitory role on Wnt signaling. *Journal of Biological Chemistry*, **2018**, 293, 7618-7628	5.4	2
17	Functional links between microtubules, autophagy and leaf starch degradation in plants. *Plant Signaling and Behavior*, **2016**, 11, e1201626	2.5	2
16	Discovery and demonstration of small circular DNA molecules derived from Chinese tomato yellow leaf curl virus. *Science Bulletin*, **2000**, 45, 1417-1421		2
15	Examining Autophagy in Plant by Transmission Electron Microscopy (TEM). *Bio-protocol*, **2018**, 8, e3047	0.9	2
14	Plant protein P3IP participates in the regulation of autophagy in. *Plant Signaling and Behavior*, **2021** , 16, 1861768	2.5	2
13	A Plant Protein NbP3IP Induces Autophagy and Mediates the Autophagic Degradation of RSV p3 to Inhibit Viral Infection		2
12	Virus-based MicroRNA Silencing. *Bio-protocol*, **2016**, 6,	0.9	2
11	Use of Geminivirus for Delivery of CRISPR/Cas9 Components to Tobacco by Agro-infiltration. *Bio-protocol*, **2017**, 7, e2209	0.9	2
10	Essential role of NbNOG1 in ribosomal RNA processing. *Journal of Integrative Plant Biology*, **2018**, 60, 1018-1022	8.3	2
9	A viral protein disrupts vacuolar acidification to facilitate virus infection in plants. *EMBO Journal*, **2021**, e108713	13	2
8	Coat protein promoter from cotton leaf curl virus is not a tissue-specifically expressed promoter. *Science Bulletin*, **2000**, 45, 1869-1874		1
7	Linking calcium and RNAi signaling in plants.. *Trends in Plant Science*, **2022**,	13.1	1

6	The Involvement of HSP70 and HSP90 inTomato Yellow Leaf Curl Virus Infection in Tomato Plants and Insect Vectors. *Heat Shock Proteins*, **2016**, 189-207	0.2	1
5	Efficient and high-throughput pseudorecombinant-chimeric Cucumber mosaic virus-based VIGS in maize. *Plant Physiology*, **2021**, 187, 2865-2876	6.6	1
4	Plant virus infection disrupts vacuolar acidification and autophagic degradation for the effective infection.. *Autophagy*, **2022**, 1-2	10.2	0
3	Live imaging and quantitation of insect feeding-induced Ca signal using -based system in .. *STAR Protocols*, **2022**, 3, 101040	1.4	0
2	Expression of human hepatitis C virus core antigen in tobacco plants by tobacco mosaic virus-based vector system. *Science Bulletin*, **2000**, 45, 44-48		
1	There is the second virus that causes tobacco leaf curl disease (not TbLCV-CHI) in the field. *Science Bulletin*, **2000**, 45, 1131-1137		