

# Yule Liu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Plant virus infection disrupts vacuolar acidification and autophagic degradation for the effective infection.. <i>Autophagy</i> , <b>2022</b> , 1-2	10.2	0
112	Linking calcium and RNAi signaling in plants.. <i>Trends in Plant Science</i> , <b>2022</b> ,	13.1	1
111	Live imaging and quantitation of insect feeding-induced Ca signal using -based system in .. <i>STAR Protocols</i> , <b>2022</b> , 3, 101040	1.4	0
110	Plant protein P3IP participates in the regulation of autophagy in. <i>Plant Signaling and Behavior</i> , <b>2021</b> , 16, 1861768	2.5	2
109	Diversity, structure and function of the coiled-coil domains of plant NLR immune receptors. <i>Journal of Integrative Plant Biology</i> , <b>2021</b> , 63, 283-296	8.3	3
108	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. <i>New Phytologist</i> , <b>2021</b> , 229, 1036-1051	9.8	15
107	A calmodulin-binding transcription factor links calcium signaling to antiviral RNAi defense in plants. <i>Cell Host and Microbe</i> , <b>2021</b> , 29, 1393-1406.e7	23.4	11
106	Efficient and high-throughput pseudorecombinant-chimeric Cucumber mosaic virus-based VIGS in maize. <i>Plant Physiology</i> , <b>2021</b> , 187, 2865-2876	6.6	1
105	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , <b>2021</b> , 17, 1-382	10.2	440
104	A viral protein disrupts vacuolar acidification to facilitate virus infection in plants. <i>EMBO Journal</i> , <b>2021</b> , e108713	13	2
103	Autophagy in Plant-Virus Interactions. <i>Annual Review of Virology</i> , <b>2020</b> , 7, 403-419	14.6	25
102	and Ripening Modulate Vivipary during Tomato Fruit Development. <i>Plant Physiology</i> , <b>2020</b> , 183, 1883-1897	7.5	6
101	Molecular and functional characterization of the SBP-box transcription factor SPL-CNR in tomato fruit ripening and cell death. <i>Journal of Experimental Botany</i> , <b>2020</b> , 71, 2995-3011	7	10
100	Foxtail mosaic virus-induced flowering assays in monocot crops. <i>Journal of Experimental Botany</i> , <b>2020</b> , 71, 3012-3023	7	6
99	□C1 Protein Induces Autophagy by Disrupting the Interaction of Autophagy-Related Protein 3 with Glyceraldehyde-3-Phosphate Dehydrogenases. <i>Plant Cell</i> , <b>2020</b> , 32, 1124-1135	11.6	28
98	Plant□NLR□immune receptor Tm-22□activation requires NB-ARCI□domain-mediated self-association of CC domain. <i>PLoS Pathogens</i> , <b>2020</b> , 16, e1008475	7.6	10
97	Role of autophagy during plant-virus interactions. <i>Seminars in Cell and Developmental Biology</i> , <b>2020</b> , 101, 36-40	7.5	19

96	Engineer complete resistance to Cotton Leaf Curl Multan virus by the CRISPR/Cas9 system in <i>Nicotiana benthamiana</i> . <i>Phytopathology Research</i> , <b>2019</b> , 1,	4.1	33
95	Graphene Oxide Promoted Cadmium Uptake by Rice in Soil. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 10283-10292	8.3	17
94	Actin filaments are dispensable for bulk autophagy in plants. <i>Autophagy</i> , <b>2019</b> , 15, 2126-2141	10.2	8
93	Geminiviral V2 Protein Suppresses Transcriptional Gene Silencing through Interaction with AGO4. <i>Journal of Virology</i> , <b>2019</b> , 93,	6.6	24
92	Virus-induced gene silencing database for phenomics and functional genomics in. <i>Plant Direct</i> , <b>2018</b> , 2, e00055	3.3	11
91	Plant G proteins interact with endoplasmic reticulum luminal protein receptors to regulate endoplasmic reticulum retrieval. <i>Journal of Integrative Plant Biology</i> , <b>2018</b> , 60, 541-561	8.3	5
90	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> , <b>2018</b> , 293, 7618-7628	5.4	2
89	A Genetic Network for Systemic RNA Silencing in Plants. <i>Plant Physiology</i> , <b>2018</b> , 176, 2700-2719	6.6	33
88	Arabidopsis ARGONAUTE 1 Binds Chromatin to Promote Gene Transcription in Response to Hormones and Stresses. <i>Developmental Cell</i> , <b>2018</b> , 44, 348-361.e7	10.2	78
87	Hsp90 Interacts With Tm-2 and Is Essential for -Mediated Resistance to. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 411	6.2	7
86	Improved apple latent spherical virus-induced gene silencing in multiple soybean genotypes through direct inoculation of agro-infiltrated extract. <i>Plant Methods</i> , <b>2018</b> , 14, 19	5.8	8
85	Graphene oxide as an antimicrobial agent can extend the vase life of cut flowers. <i>Nano Research</i> , <b>2018</b> , 11, 6010-6022	10	14
84	Examining Autophagy in Plant by Transmission Electron Microscopy (TEM). <i>Bio-protocol</i> , <b>2018</b> , 8, e3047	0.9	2
83	formin 2 regulates cell-to-cell trafficking by capping and stabilizing actin filaments at plasmodesmata. <i>ELife</i> , <b>2018</b> , 7,	8.9	34
82	Essential role of NbNOG1 in ribosomal RNA processing. <i>Journal of Integrative Plant Biology</i> , <b>2018</b> , 60, 1018-1022	8.3	2
81	Cotton Leaf Curl Multan virus C4 protein suppresses both transcriptional and post-transcriptional gene silencing by interacting with SAM synthetase. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1007282	7.6	50
80	B Protein Subverts Autophagy to Promote Viral Infection by Disrupting the ATG7-ATG8 Interaction. <i>Plant Cell</i> , <b>2018</b> , 30, 1582-1595	11.6	65
79	Viral effector protein manipulates host hormone signaling to attract insect vectors. <i>Cell Research</i> , <b>2017</b> , 27, 402-415	24.7	74

78	Antiviral Resistance Protein Tm-2 Functions on the Plasma Membrane. <i>Plant Physiology</i> , <b>2017</b> , 173, 2399-2410	6.6	27
77	A Virus-Induced Assay for Functional Dissection and Analysis of Monocot and Dicot Flowering Time Genes. <i>Plant Physiology</i> , <b>2017</b> , 174, 875-885	6.6	7
76	Roles of Dicer-Like Proteins 2 and 4 in Intra- and Intercellular Antiviral Silencing. <i>Plant Physiology</i> , <b>2017</b> , 174, 1067-1081	6.6	34
75	Plant Bax Inhibitor-1 interacts with ATG6 to regulate autophagy and programmed cell death. <i>Autophagy</i> , <b>2017</b> , 13, 1161-1175	10.2	46
74	Temperature-dependent autoimmunity mediated by chs1 requires its neighboring TNL gene SOC3. <i>New Phytologist</i> , <b>2017</b> , 213, 1330-1345	9.8	42
73	Autophagy functions as an antiviral mechanism against geminiviruses in plants. <i>ELife</i> , <b>2017</b> , 6,	8.9	113
72	Use of Geminivirus for Delivery of CRISPR/Cas9 Components to Tobacco by Agro-infiltration. <i>Bio-protocol</i> , <b>2017</b> , 7, e2209	0.9	2
71	An efficient Potato virus X -based microRNA silencing in <i>Nicotiana benthamiana</i> . <i>Scientific Reports</i> , <b>2016</b> , 6, 20573	4.9	28
70	Functional links between microtubules, autophagy and leaf starch degradation in plants. <i>Plant Signaling and Behavior</i> , <b>2016</b> , 11, e1201626	2.5	2
69	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
68	CLCuMuB $\Omega$ C1 Subverts Ubiquitination by Interacting with NbSKP1s to Enhance Geminivirus Infection in <i>Nicotiana benthamiana</i> . <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005668	7.6	65
67	Virus-based MicroRNA Silencing. <i>Bio-protocol</i> , <b>2016</b> , 6,	0.9	2
66	Chloroplast in Plant-Virus Interaction. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1565	5.7	124
65	Tomato plant cell death induced by inhibition of HSP90 is alleviated by Tomato yellow leaf curl virus infection. <i>Molecular Plant Pathology</i> , <b>2016</b> , 17, 247-60	5.7	30
64	The Involvement of HSP70 and HSP90 in Tomato Yellow Leaf Curl Virus Infection in Tomato Plants and Insect Vectors. <i>Heat Shock Proteins</i> , <b>2016</b> , 189-207	0.2	1
63	Foxtail Mosaic Virus-Induced Gene Silencing in Monocot Plants. <i>Plant Physiology</i> , <b>2016</b> , 171, 1801-7	6.6	63
62	Tuning LeSPL-CNR expression by SlymiR157 affects tomato fruit ripening. <i>Scientific Reports</i> , <b>2015</b> , 5, 7852	4.9	52
61	Cytoplasmic Glyceraldehyde-3-Phosphate Dehydrogenases Interact with ATG3 to Negatively Regulate Autophagy and Immunity in <i>Nicotiana benthamiana</i> . <i>Plant Cell</i> , <b>2015</b> , 27, 1316-31	11.6	110

60	Disruption of microtubules in plants suppresses macroautophagy and triggers starch excess-associated chloroplast autophagy. <i>Autophagy</i> , <b>2015</b> , 11, 2259-74	10.2	33
59	Requirement of CHROMOMETHYLASE3 for somatic inheritance of the spontaneous tomato epimutation Colourless non-ripening. <i>Scientific Reports</i> , <b>2015</b> , 5, 9192	4.9	44
58	A geminivirus-based guide RNA delivery system for CRISPR/Cas9 mediated plant genome editing. <i>Scientific Reports</i> , <b>2015</b> , 5, 14926	4.9	135
57	Regulation of Jasmonate-Induced Leaf Senescence by Antagonism between bHLH Subgroup IIIe and IId Factors in Arabidopsis. <i>Plant Cell</i> , <b>2015</b> , 27, 1634-49	11.6	167
56	Virus-based microRNA silencing in plants. <i>Plant Physiology</i> , <b>2014</b> , 164, 36-47	6.6	66
55	Virus-Induced Gene Silencing. <i>Methods in Molecular Biology</i> , <b>2013</b> ,	1.4	5
54	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. <i>Journal of Experimental Botany</i> , <b>2013</b> , 64, 599-612	7	27
53	Tm-22 confers different resistance responses against tobacco mosaic virus dependent on its expression level. <i>Molecular Plant</i> , <b>2013</b> , 6, 971-4	14.4	15
52	SGT1 interacts with the Prf resistance protein and is required for Prf accumulation and Prf-mediated defense signaling. <i>Biochemical and Biophysical Research Communications</i> , <b>2013</b> , 431, 501-5 <sup>3-4</sup>	3.4	20
51	Virus-induced gene silencing using artificial miRNAs in <i>Nicotiana benthamiana</i> . <i>Methods in Molecular Biology</i> , <b>2013</b> , 975, 99-107	1.4	13
50	Autophagy contributes to leaf starch degradation. <i>Plant Cell</i> , <b>2013</b> , 25, 1383-99	11.6	157
49	Type I J-domain NbMIP1 proteins are required for both Tobacco mosaic virus infection and plant innate immunity. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003659	7.6	34
48	Autophagic degradation of leaf starch in plants. <i>Autophagy</i> , <b>2013</b> , 9, 1247-8	10.2	13
47	Development of Agrobacterium-mediated virus-induced gene silencing and performance evaluation of four marker genes in <i>Gossypium barbadense</i> . <i>PLoS ONE</i> , <b>2013</b> , 8, e73211	3.7	45
46	The rubisco small subunit is involved in tobamovirus movement and Tm-2 <sup>2</sup> -mediated extreme resistance. <i>Plant Physiology</i> , <b>2013</b> , 161, 374-83	6.6	65
45	Plant ERD2-like proteins function as endoplasmic reticulum luminal protein receptors and participate in programmed cell death during innate immunity. <i>Plant Journal</i> , <b>2012</b> , 72, 57-69	6.9	35
44	Virus-induced gene complementation reveals a transcription factor network in modulation of tomato fruit ripening. <i>Scientific Reports</i> , <b>2012</b> , 2, 836	4.9	27
43	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544.2	4.2	2783

42	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> , <b>2012</b> , 8, e1002752	7.6	168
41	Plant ERD2s self-interact and interact with GTPase-activating proteins and ADP-ribosylation factor 1. <i>Plant Signaling and Behavior</i> , <b>2012</b> , 7, 1092-4	2.5	6
40	Involvement of RDR6 in short-range intercellular RNA silencing in <i>Nicotiana benthamiana</i> . <i>Scientific Reports</i> , <b>2012</b> , 2, 467	4.9	23
39	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> , <b>2011</b> , 8, 561	6.1	13
38	Role of plant autophagy in stress response. <i>Protein and Cell</i> , <b>2011</b> , 2, 784-91	7.2	82
37	Mobile FT mRNA contributes to the systemic florigen signalling in floral induction. <i>Scientific Reports</i> , <b>2011</b> , 1, 73	4.9	73
36	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> , <b>2011</b> , 23, 1000-13	11.6	375
35	The bHLH transcription factor MYC3 interacts with the Jasmonate ZIM-domain proteins to mediate jasmonate response in <i>Arabidopsis</i> . <i>Molecular Plant</i> , <b>2011</b> , 4, 279-88	14.4	193
34	One-step, zero-background ligation-independent cloning intron-containing hairpin RNA constructs for RNAi in plants. <i>New Phytologist</i> , <b>2010</b> , 187, 240-250	9.8	43
33	Cotton leaf curl Multan virus newly reported to be associated with cotton leaf curl disease in China. <i>Plant Pathology</i> , <b>2010</b> , 59, 794-795	2.8	34
32	Virus-based microRNA expression for gene functional analysis in plants. <i>Plant Physiology</i> , <b>2010</b> , 153, 632-44	6.6	83
31	The MI-1-mediated pest resistance requires Hsp90 and Sgt1. <i>Plant Physiology</i> , <b>2007</b> , 144, 312-23	6.6	121
30	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. <i>Plant Physiology</i> , <b>2007</b> , 145, 1161-70	6.6	125
29	Efficient virus-induced gene silencing in <i>Arabidopsis</i> . <i>Plant Physiology</i> , <b>2006</b> , 142, 21-7	6.6	240
28	Autophagy regulates programmed cell death during the plant innate immune response. <i>Cell</i> , <b>2005</b> , 121, 567-577	56.2	648
27	An alternative tandem affinity purification strategy applied to <i>Arabidopsis</i> protein complex isolation. <i>Plant Journal</i> , <b>2005</b> , 41, 767-78	6.9	200
26	Genome-wide ORFeome cloning and analysis of <i>Arabidopsis</i> transcription factor genes. <i>Plant Physiology</i> , <b>2004</b> , 135, 773-82	6.6	183
25	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> , <b>2004</b> , 279, 2101-8	5.4	259

24	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> , <b>2004</b> , 38, 800-9	6.9	214
23	Virus induced gene silencing of a DEFICIENS ortholog in <i>Nicotiana benthamiana</i> . <i>Plant Molecular Biology</i> , <b>2004</b> , 54, 701-11	4.6	97
22	Isolation and identification of a super strong plant promoter from cotton leaf curl Multan virus. <i>Plant Molecular Biology</i> , <b>2003</b> , 53, 1-14	4.6	28
21	Two MAPK cascades, NPR1, and TGA transcription factors play a role in Pto-mediated disease resistance in tomato. <i>Plant Journal</i> , <b>2003</b> , 36, 905-17	6.9	263
20	Virus-induced gene silencing. <i>Methods in Molecular Biology</i> , <b>2003</b> , 236, 287-94	1.4	153
19	P58(IPK), a plant ortholog of double-stranded RNA-dependent protein kinase PKR inhibitor, functions in viral pathogenesis. <i>Developmental Cell</i> , <b>2003</b> , 4, 651-61	10.2	80
18	The tobacco mosaic virus resistance gene, N. <i>Molecular Plant Pathology</i> , <b>2002</b> , 3, 167-72	5.7	59
17	Tobacco Rar1, EDS1 and NPR1/NIM1 like genes are required for N-mediated resistance to tobacco mosaic virus. <i>Plant Journal</i> , <b>2002</b> , 30, 415-29	6.9	739
16	Virus-induced gene silencing in tomato. <i>Plant Journal</i> , <b>2002</b> , 31, 777-86	6.9	1080
15	Role of SCF ubiquitin-ligase and the COP9 signalosome in the N gene-mediated resistance response to Tobacco mosaic virus. <i>Plant Cell</i> , <b>2002</b> , 14, 1483-96	11.6	278
14	Tomato yellow leaf curl China virus: monopartite genome organization and agroinfection of plants. <i>Virus Research</i> , <b>2001</b> , 81, 69-76	6.4	29
13	Expression of human hepatitis C virus core antigen in tobacco plants by tobacco mosaic virus-based vector system. <i>Science Bulletin</i> , <b>2000</b> , 45, 44-48		
12	Discovery and demonstration of small circular DNA molecules derived from Chinese tomato yellow leaf curl virus. <i>Science Bulletin</i> , <b>2000</b> , 45, 1417-1421		2
11	Coat protein promoter from cotton leaf curl virus is not a tissue-specifically expressed promoter. <i>Science Bulletin</i> , <b>2000</b> , 45, 1869-1874		1
10	There is the second virus that causes tobacco leaf curl disease (not TbLCV-CHI) in the field. <i>Science Bulletin</i> , <b>2000</b> , 45, 1131-1137		
9	Chinese tomato yellow leaf curl virus- a new species of geminivirus. <i>Science in China Series C: Life Sciences</i> , <b>1998</b> , 41, 337-43		8
8	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> , <b>1998</b> , 79 ( Pt 6), 1501-8	4.9	45
7	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> , <b>1998</b> , 79 ( Pt 4), 915-23	4.9	113

6	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> , <b>1997</b> , 78 ( Pt 8), 2101-11	4.9	356
5	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> , <b>1997</b> , 94, 4861-5	11.5	59
4	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> , <b>1997</b> , 131, 437-448	2.6	130
3	Detection and relationships of cotton leaf curl virus and allied whitefly-transmitted geminiviruses occurring in Pakistan. <i>Annals of Applied Biology</i> , <b>1997</b> , 130, 61-75	2.6	52
2	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> , <b>1992</b> , 5, 460-5	3.6	27
1	A Plant Protein NbP3IP Induces Autophagy and Mediates the Autophagic Degradation of RSV p3 to Inhibit Viral Infection		2