

# Li Yu

## List of Publications by Year in descending order

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85  
papers

18,006  
citations

70961

41  
h-index

58464

82  
g-index

93  
all docs

93  
docs citations

93  
times ranked

29327  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	Termination of autophagy and reformation of lysosomes regulated by mTOR. <i>Nature</i> , 2010, 465, 942-946.	13.7	1,303
4	Regulation of an ATG7-beclin 1 Program of Autophagic Cell Death by Caspase-8. <i>Science</i> , 2004, 304, 1500-1502.	6.0	1,197
5	Autophagy pathway: Cellular and molecular mechanisms. <i>Autophagy</i> , 2018, 14, 207-215.	4.3	984
6	Autophagic programmed cell death by selective catalase degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4952-4957.	3.3	619
7	Cytosolic FoxO1 is essential for the induction of autophagy and tumour suppressor activity. <i>Nature Cell Biology</i> , 2010, 12, 665-675.	4.6	518
8	<i>C. elegans</i> Screen Identifies Autophagy Genes Specific to Multicellular Organisms. <i>Cell</i> , 2010, 141, 1042-1055.	13.5	369
9	Polyubiquitin chain-induced p62 phase separation drives autophagic cargo segregation. <i>Cell Research</i> , 2018, 28, 405-415.	5.7	325
10	Discovery of the migrasome, an organelle mediating release of cytoplasmic contents during cell migration. <i>Cell Research</i> , 2015, 25, 24-38.	5.7	307
11	The LC3-conjugation machinery specifies the loading of RNA-binding proteins into extracellular vesicles. <i>Nature Cell Biology</i> , 2020, 22, 187-199.	4.6	300
12	Clathrin and phosphatidylinositol-4,5-bisphosphate regulate autophagic lysosome reformation. <i>Nature Cell Biology</i> , 2012, 14, 924-934.	4.6	260
13	Spinster is required for autophagic lysosome reformation and mTOR reactivation following starvation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7826-7831.	3.3	249
14	Function and Molecular Mechanism of Acetylation in Autophagy Regulation. <i>Science</i> , 2012, 336, 474-477.	6.0	220
15	The WD40 Repeat PtdIns(3)P-Binding Protein EPG-6 Regulates Progression of Omegasomes to Autophagosomes. <i>Developmental Cell</i> , 2011, 21, 343-357.	3.1	200
16	Mitocytosis, a migrasome-mediated mitochondrial quality-control process. <i>Cell</i> , 2021, 184, 2896-2910.e13.	13.5	188
17	The general amino acid control pathway regulates mTOR and autophagy during serum/glutamine starvation. <i>Journal of Cell Biology</i> , 2014, 206, 173-182.	2.3	163
18	Kinesin 1 Drives Autolysosome Tubulation. <i>Developmental Cell</i> , 2016, 37, 326-336.	3.1	129

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19	The selectivity of autophagy and its role in cell death and survival. <i>Autophagy</i> , 2008, 4, 567-573.	4.3	126
20	Migrasomes provide regional cues for organ morphogenesis during zebrafish gastrulation. <i>Nature Cell Biology</i> , 2019, 21, 966-977.	4.6	122
21	Migrasome formation is mediated by assembly of micron-scale tetraspanin macrodomains. <i>Nature Cell Biology</i> , 2019, 21, 991-1002.	4.6	121
22	CapZ regulates autophagosomal membrane shaping by promoting actin assembly inside the isolation membrane. <i>Nature Cell Biology</i> , 2015, 17, 1112-1123.	4.6	115
23	Iterative tomography with digital adaptive optics permits hour-long intravital observation of 3D subcellular dynamics at millisecond scale. <i>Cell</i> , 2021, 184, 3318-3332.e17.	13.5	115
24	p53 regulation of ammonia metabolism through urea cycle controls polyamine biosynthesis. <i>Nature</i> , 2019, 567, 253-256.	13.7	110
25	Autophagic lysosome reformation. <i>Experimental Cell Research</i> , 2013, 319, 142-146.	1.2	103
26	Dynamic tubulation of mitochondria drives mitochondrial network formation. <i>Cell Research</i> , 2015, 25, 1108-1120.	5.7	101
27	Rab8a-AS160-MSS4 Regulatory Circuit Controls Lipid Droplet Fusion and Growth. <i>Developmental Cell</i> , 2014, 30, 378-393.	3.1	98
28	Recent progress in autophagic lysosome reformation. <i>Traffic</i> , 2017, 18, 358-361.	1.3	93
29	Architecture of the ATG2B-WDR45 complex and an aromatic Y/HF motif crucial for complex formation. <i>Autophagy</i> , 2017, 13, 1870-1883.	4.3	90
30	Transient Receptor Potential V Channels Are Essential for Glucose Sensing by Aldolase and AMPK. <i>Cell Metabolism</i> , 2019, 30, 508-524.e12.	7.2	86
31	Pairing of integrins with ECM proteins determines migrasome formation. <i>Cell Research</i> , 2017, 27, 1397-1400.	5.7	83
32	Gene-specific mechanisms direct glucocorticoid-receptor-driven repression of inflammatory response genes in macrophages. <i>ELife</i> , 2018, 7, .	2.8	77
33	Allosteric enhancement of ORP1-mediated cholesterol transport by PI(4,5)P2/PI(3,4)P2. <i>Nature Communications</i> , 2019, 10, 829.	5.8	73
34	Formation of a Snf1-Mec1-Atg1 Module on Mitochondria Governs Energy Deprivation-Induced Autophagy by Regulating Mitochondrial Respiration. <i>Developmental Cell</i> , 2017, 41, 59-71.e4.	3.1	65
35	Autophagy and caspases: a new cell death program. <i>Cell Cycle</i> , 2004, 3, 1124-6.	1.3	63
36	Structural basis for interaction of a cotranslational chaperone with the eukaryotic ribosome. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 1042-1046.	3.6	61

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37	Sorting nexin 5 mediates virus-induced autophagy and immunity. <i>Nature</i> , 2021, 589, 456-461.	13.7	61
38	ER-mitochondria contacts promote mtDNA nucleoids active transportation via mitochondrial dynamic tubulation. <i>Nature Communications</i> , 2020, 11, 4471.	5.8	58
39	Dapper1 promotes autophagy by enhancing the Beclin1-Vps34-Atg14L complex formation. <i>Cell Research</i> , 2014, 24, 912-924.	5.7	57
40	Identification of markers for migrasome detection. <i>Cell Discovery</i> , 2019, 5, 27.	3.1	54
41	Lateral transfer of mRNA and protein by migrasomes modifies the recipient cells. <i>Cell Research</i> , 2021, 31, 237-240.	5.7	45
42	Cryo-EM structure and biochemical analysis reveal the basis of the functional difference between human PI3KC3-C1 and -C2. <i>Cell Research</i> , 2017, 27, 989-1001.	5.7	44
43	A semisynthetic Atg3 reveals that acetylation promotes Atg3 membrane binding and Atg8 lipidation. <i>Nature Communications</i> , 2017, 8, 14846.	5.8	43
44	The late stage of autophagy: cellular events and molecular regulation. <i>Protein and Cell</i> , 2010, 1, 907-915.	4.8	41
45	WHAMM initiates autolysosome tubulation by promoting actin polymerization on autolysosomes. <i>Nature Communications</i> , 2019, 10, 3699.	5.8	40
46	SIP/CacyBP promotes autophagy by regulating levels of BRUCE/Apollon, which stimulates LC3-I degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13404-13413.	3.3	40
47	Phase Separation in Regulation of Aggrephagy. <i>Journal of Molecular Biology</i> , 2020, 432, 160-169.	2.0	37
48	Migrasome biogenesis and functions. <i>FEBS Journal</i> , 2022, 289, 7246-7254.	2.2	37
49	COPII mitigates ER stress by promoting formation of ER whorls. <i>Cell Research</i> , 2021, 31, 141-156.	5.7	36
50	Development of Research into Autophagic Lysosome Reformation. <i>Molecules and Cells</i> , 2018, 41, 45-49.	1.0	35
51	Multi-site-mediated entwining of the linear WIR-motif around WIPI 1 <sup>2</sup> -propellers for autophagy. <i>Nature Communications</i> , 2020, 11, 2702.	5.8	34
52	Assembly of Double-Shelled, Virus-Like Particles in Transgenic Rice Plants Expressing Two Major Structural Proteins of Rice Dwarf Virus. <i>Journal of Virology</i> , 2000, 74, 9808-9810.	1.5	32
53	Vesicle Size Regulates Nanotube Formation in the Cell. <i>Scientific Reports</i> , 2016, 6, 24002.	1.6	27
54	WGA is a probe for migrasomes. <i>Cell Discovery</i> , 2019, 5, 13.	3.1	27

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55	Atg5 regulates late endosome and lysosome biogenesis. <i>Science China Life Sciences</i> , 2014, 57, 59-68.	2.3	24
56	Cholesterol Crystal-Mediated Inflammation Is Driven by Plasma Membrane Destabilization. <i>Frontiers in Immunology</i> , 2018, 9, 1163.	2.2	23
57	GLIPR2 is a negative regulator of autophagy and the BECN1-ATG14-containing phosphatidylinositol 3-kinase complex. <i>Autophagy</i> , 2021, 17, 2891-2904.	4.3	22
58	How does acetylation regulate autophagy?. <i>Autophagy</i> , 2012, 8, 1529-1530.	4.3	21
59	EGFR signaling promotes nuclear translocation of plasma membrane protein TSPAN8 to enhance tumor progression via STAT3-mediated transcription. <i>Cell Research</i> , 2022, 32, 359-374.	5.7	20
60	Real-Time Study of Protein Phase Separation with Spatiotemporal Analysis of Single-Nanoparticle Trajectories. <i>ACS Nano</i> , 2021, 15, 539-549.	7.3	18
61	A Novel Size-Based Sorting Mechanism of Pinocytic Luminal Cargoes in Microglia. <i>Journal of Neuroscience</i> , 2015, 35, 2674-2688.	1.7	16
62	SLC35D3 increases autophagic activity in midbrain dopaminergic neurons by enhancing BECN1-ATG14-PIK3C3 complex formation. <i>Autophagy</i> , 2016, 12, 1168-1179.	4.3	16
63	Detection of Migrasomes. <i>Methods in Molecular Biology</i> , 2018, 1749, 43-49.	0.4	14
64	Chemical screening identifies ROCK1 as a regulator of migrasome formation. <i>Cell Discovery</i> , 2020, 6, 51.	3.1	14
65	Phosphorylation of Atg31 is required for autophagy. <i>Protein and Cell</i> , 2015, 6, 288-296.	4.8	13
66	Recent progress in autophagy. <i>Cell Research</i> , 2014, 24, 1-2.	5.7	12
67	The Ccl1-Kin28 kinase complex regulates autophagy under nitrogen starvation. <i>Journal of Cell Science</i> , 2015, 129, 135-44.	1.2	12
68	Nuclear translocation of the 4-pass transmembrane protein Tspan8. <i>Cell Research</i> , 2021, 31, 1218-1221.	5.7	12
69	Myosin 1D and the branched actin network control the condensation of p62 bodies. <i>Cell Research</i> , 2022, 32, 659-669.	5.7	12
70	A special review collection on autophagy. <i>Cell Research</i> , 2020, 30, 553-553.	5.7	11
71	Migrasomes: the knowns, the known unknowns and the unknown unknowns: a personal perspective. <i>Science China Life Sciences</i> , 2021, 64, 162-166.	2.3	11
72	Retractosomes: small extracellular vesicles generated from broken-off retraction fibers. <i>Cell Research</i> , 2022, 32, 953-956.	5.7	11

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73	Visualizing Autophagic Lysosome Reformation in Cells Using In Vitro Reconstitution Systems. <i>Current Protocols in Cell Biology</i> , 2018, 78, 11.24.1-11.24.15.	2.3	10
74	Mitochondria: The hub of energy deprivation-induced autophagy. <i>Autophagy</i> , 2017, 14, 1-2.	4.3	9
75	Assembly of Tetraspanin-enriched macrodomains contains membrane damage to facilitate repair. <i>Nature Cell Biology</i> , 2022, 24, 825-832.	4.6	9
76	Tetraspanin-enriched microdomains: The building blocks of migrasomes. , 2022, 1, 100003.		7
77	Scissors for autolysosome tubules. <i>EMBO Journal</i> , 2015, 34, 2217-2218.	3.5	6
78	IMMUNOLOGY: The Paracaspase Connection. <i>Science</i> , 2003, 302, 1515-1516.	6.0	5
79	Analysis of phosphorylation sites on autophagy proteins. <i>Protein and Cell</i> , 2015, 6, 698-701.	4.8	5
80	Studying Autophagic Lysosome Reformation in Cells and by an In Vitro Reconstitution System. <i>Methods in Molecular Biology</i> , 2019, 1880, 163-172.	0.4	5
81	Autophagy, Inflammation, and Metabolism (AIM) Center of Biomedical Research Excellence: supporting the next generation of autophagy researchers and fostering international collaborations. <i>Autophagy</i> , 2018, 14, 925-929.	4.3	3
82	Extracellular vesicles: from bench to bedside. , 2022, 1, .		3
83	Vitamin B1 THIAMIN REQUIRING1 synthase mediates the maintenance of chloroplast function by regulating sugar and fatty acid metabolism in rice. <i>Journal of Integrative Plant Biology</i> , 0, , .	4.1	2
84	Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. <i>Autophagy</i> , 2019, 15, 1829-1833.	4.3	0
85	THOC4 regulates energy homeostasis by stabilizing <i>TFEB</i> mRNA during prolonged starvation. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	0