Li Yu

List of Publications by Year in Descending Order

78 papers	13,813 citations	35 h-index	93 g-index
93 ext. papers	16,113 ext. citations	17.2 avg, IF	6.08 L-index

#	Paper	IF	Citations
78	Tetraspanin-enriched microdomains: The building blocks of migrasomes **2022**, 1, 100003		0
77	Retractosomes: small extracellular vesicles generated from broken-off retraction fibers.. *Cell Research*, **2022**,	24.7	0
76	Extracellular vesicles: from bench to bedside **2022**, 1,		0
75	GLIPR2 is a negative regulator of autophagy and the BECN1-ATG14-containing phosphatidylinositol 3-kinase complex. *Autophagy*, **2021**, 17, 2891-2904	10.2	4
74	Mitocytosis, a migrasome-mediated mitochondrial quality-control process. *Cell*, **2021**, 184, 2896-2910.e13	56.2	42
73	Iterative tomography with digital adaptive optics permits hour-long intravital observation of 3D subcellular dynamics at millisecond scale. *Cell*, **2021**, 184, 3318-3332.e17	56.2	24
72	Nuclear translocation of the 4-pass transmembrane protein Tspan8. *Cell Research*, **2021**, 31, 1218-1221	24.7	1
71	Lateral transfer of mRNA and protein by migrasomes modifies the recipient cells. *Cell Research*, **2021**, 31, 237-240	24.7	14
70	COPII mitigates ER stress by promoting formation of ER whorls. *Cell Research*, **2021**, 31, 141-156	24.7	5
69	Migrasomes: the knowns, the known unknowns and the unknown unknowns: a personal perspective. *Science China Life Sciences*, **2021**, 64, 162-166	8.5	5
68	Sorting nexin 5 mediates virus-induced autophagy and immunity. *Nature*, **2021**, 589, 456-461	50.4	21
67	Real-Time Study of Protein Phase Separation with Spatiotemporal Analysis of Single-Nanoparticle Trajectories. *ACS Nano*, **2021**, 15, 539-549	16.7	4
66	Migrasome biogenesis and functions. *FEBS Journal*, **2021**,	5.7	9
65	Multi-site-mediated entwining of the linear WIR-motif around WIPI β-propellers for autophagy. *Nature Communications*, **2020**, 11, 2702	17.4	13
64	The LC3-conjugation machinery specifies the loading of RNA-binding proteins into extracellular vesicles. *Nature Cell Biology*, **2020**, 22, 187-199	23.4	149
63	ER-mitochondria contacts promote mtDNA nucleoids active transportation via mitochondrial dynamic tubulation. *Nature Communications*, **2020**, 11, 4471	17.4	26
62	Chemical screening identifies ROCK1 as a regulator of migrasome formation. *Cell Discovery*, **2020**, 6, 51	22.3	6

61	Phase Separation in Regulation of Aggrephagy. *Journal of Molecular Biology*, **2020**, 432, 160-169	6.5	23
60	SIP/CacyBP promotes autophagy by regulating levels of BRUCE/Apollon, which stimulates LC3-I degradation. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 13404-13413	11.5	24
59	Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. *Autophagy*, **2019**, 15, 1829-1832	10.2	
58	Identification of markers for migrasome detection. *Cell Discovery*, **2019**, 5, 27	22.3	21
57	Transient Receptor Potential V Channels Are Essential for Glucose Sensing by Aldolase and AMPK. *Cell Metabolism*, **2019**, 30, 508-524.e12	24.6	39
56	p53 regulation of ammonia metabolism through urea cycle controls polyamine biosynthesis. *Nature* , **2019**, 567, 253-256	50.4	65
55	WHAMM initiates autolysosome tubulation by promoting actin polymerization on autolysosomes. *Nature Communications*, **2019**, 10, 3699	17.4	18
54	Migrasomes provide regional cues for organ morphogenesis during zebrafish gastrulation. *Nature Cell Biology*, **2019**, 21, 966-977	23.4	43
53	Migrasome formation is mediated by assembly of micron-scale tetraspanin macrodomains. *Nature Cell Biology*, **2019**, 21, 991-1002	23.4	49
52	WGA is a probe for migrasomes. *Cell Discovery*, **2019**, 5, 13	22.3	11
51	Allosteric enhancement of ORP1-mediated cholesterol transport by PI(4,5)P/PI(3,4)P. *Nature Communications*, **2019**, 10, 829	17.4	51
50	Studying Autophagic Lysosome Reformation in Cells and by an In Vitro Reconstitution System. *Methods in Molecular Biology*, **2019**, 1880, 163-172	1.4	3
49	Mitochondria: The hub of energy deprivation-induced autophagy. *Autophagy*, **2018**, 14, 1084-1085	10.2	6
48	Polyubiquitin chain-induced p62 phase separation drives autophagic cargo segregation. *Cell Research*, **2018**, 28, 405-415	24.7	173
47	Visualizing Autophagic Lysosome Reformation in Cells Using In Vitro Reconstitution Systems. *Current Protocols in Cell Biology*, **2018**, 78, 11.24.1-11.24.15	2.3	5
46	Detection of Migrasomes. *Methods in Molecular Biology*, **2018**, 1749, 43-49	1.4	9
45	Autophagy pathway: Cellular and molecular mechanisms. *Autophagy*, **2018**, 14, 207-215	10.2	614
44	Cholesterol Crystal-Mediated Inflammation Is Driven by Plasma Membrane Destabilization. *Frontiers in Immunology*, **2018**, 9, 1163	8.4	12

43	Development of Research into Autophagic Lysosome Reformation. *Molecules and Cells*, **2018**, 41, 45-49	3.5	30
42	Gene-specific mechanisms direct glucocorticoid-receptor-driven repression of inflammatory response genes in macrophages. *ELife*, **2018**, 7,	8.9	34
41	Formation of a Snf1-Mec1-Atg1 Module on Mitochondria Governs Energy Deprivation-Induced Autophagy by Regulating Mitochondrial Respiration. *Developmental Cell*, **2017**, 41, 59-71.e4	10.2	41
40	Recent progress in autophagic lysosome reformation. *Traffic*, **2017**, 18, 358-361	5.7	54
39	A semisynthetic Atg3 reveals that acetylation promotes Atg3 membrane binding and Atg8 lipidation. *Nature Communications*, **2017**, 8, 14846	17.4	31
38	Architecture of the ATG2B-WDR45 complex and an aromatic Y/HF motif crucial for complex formation. *Autophagy*, **2017**, 13, 1870-1883	10.2	61
37	Pairing of integrins with ECM proteins determines migrasome formation. *Cell Research*, **2017**, 27, 1397-1400	24.7	36
36	Cryo-EM structure and biochemical analysis reveal the basis of the functional difference between human PI3KC3-C1 and -C2. *Cell Research*, **2017**, 27, 989-1001	24.7	26
35	The Ccl1-Kin28 kinase complex regulates autophagy under nitrogen starvation. *Journal of Cell Science*, **2016**, 129, 135-44	5.3	10
34	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
33	Vesicle Size Regulates Nanotube Formation in the Cell. *Scientific Reports*, **2016**, 6, 24002	4.9	23
32	Kinesin 1 Drives Autolysosome Tubulation. *Developmental Cell*, **2016**, 37, 326-336	10.2	79
31	SLC35D3 increases autophagic activity in midbrain dopaminergic neurons by enhancing BECN1-ATG14-PIK3C3 complex formation. *Autophagy*, **2016**, 12, 1168-79	10.2	13
30	CapZ regulates autophagosomal membrane shaping by promoting actin assembly inside the isolation membrane. *Nature Cell Biology*, **2015**, 17, 1112-23	23.4	84
29	Phosphorylation of Atg31 is required for autophagy. *Protein and Cell*, **2015**, 6, 288-96	7.2	10
28	Analysis of phosphorylation sites on autophagy proteins. *Protein and Cell*, **2015**, 6, 698-701	7.2	3
27	Dynamic tubulation of mitochondria drives mitochondrial network formation. *Cell Research*, **2015**, 25, 1108-20	24.7	69
26	Discovery of the migrasome, an organelle mediating release of cytoplasmic contents during cell migration. *Cell Research*, **2015**, 25, 24-38	24.7	149

25	Scissors for autolysosome tubules. *EMBO Journal*, **2015**, 34, 2217-8	13	3
24	A novel size-based sorting mechanism of pinocytic luminal cargoes in microglia. *Journal of Neuroscience*, **2015**, 35, 2674-88	6.6	15
23	Structural basis for interaction of a cotranslational chaperone with the eukaryotic ribosome. *Nature Structural and Molecular Biology*, **2014**, 21, 1042-6	17.6	48
22	Rab8a-AS160-MSS4 regulatory circuit controls lipid droplet fusion and growth. *Developmental Cell*, **2014**, 30, 378-93	10.2	76
21	The general amino acid control pathway regulates mTOR and autophagy during serum/glutamine starvation. *Journal of Cell Biology*, **2014**, 206, 173-82	7.3	116
20	Dapper1 promotes autophagy by enhancing the Beclin1-Vps34-Atg14L complex formation. *Cell Research*, **2014**, 24, 912-24	24.7	47
19	Atg5 regulates late endosome and lysosome biogenesis. *Science China Life Sciences*, **2014**, 57, 59-68	8.5	19
18	Autophagic lysosome reformation. *Experimental Cell Research*, **2013**, 319, 142-6	4.2	88
17	Function and molecular mechanism of acetylation in autophagy regulation. *Science*, **2012**, 336, 474-7	33.3	183
16	Clathrin and phosphatidylinositol-4,5-bisphosphate regulate autophagic lysosome reformation. *Nature Cell Biology*, **2012**, 14, 924-34	23.4	196
15	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
14	How does acetylation regulate autophagy?. *Autophagy*, **2012**, 8, 1529-30	10.2	19
13	The WD40 repeat PtdIns(3)P-binding protein EPG-6 regulates progression of omegasomes to autophagosomes. *Developmental Cell*, **2011**, 21, 343-57	10.2	165
12	Spinster is required for autophagic lysosome reformation and mTOR reactivation following starvation. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 7826-31	11.5	197
11	Termination of autophagy and reformation of lysosomes regulated by mTOR. *Nature*, **2010**, 465, 942-6	50.4	1063
10	Cytosolic FoxO1 is essential for the induction of autophagy and tumour suppressor activity. *Nature Cell Biology*, **2010**, 12, 665-75	23.4	435
9	C. elegans screen identifies autophagy genes specific to multicellular organisms. *Cell*, **2010**, 141, 1042-55	56.2	309
8	The late stage of autophagy: cellular events and molecular regulation. *Protein and Cell*, **2010**, 1, 907-15	7.2	35

7	The selectivity of autophagy and its role in cell death and survival. *Autophagy*, **2008**, 4, 567-73	10.2	123
6	Autophagic programmed cell death by selective catalase degradation. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 4952-7	11.5	562
5	Regulation of an ATG7-beclin 1 program of autophagic cell death by caspase-8. *Science*, **2004**, 304, 1500-2	33.3	1105
4	Autophagy and caspases: a new cell death program. *Cell Cycle*, **2004**, 3, 1124-6	4.7	59
3	Immunology. The paracaspase connection. *Science*, **2003**, 302, 1515-6	33.3	5
2	Assembly of double-shelled, virus-like particles in transgenic rice plants expressing two major structural proteins of rice dwarf virus. *Journal of Virology*, **2000**, 74, 9808-10	6.6	27
1	Assembly of Tetraspanin-enriched macrodomains contains membrane damage to facilitate repair. *Nature Cell Biology*,	23.4	1