

Xiaochen Wang

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,811
citations

218677

26
h-index

276875

41
g-index

45
all docs

45
docs citations

45
times ranked

5563
citing authors

#	ARTICLE	IF	CITATIONS
1	C. elegans Screen Identifies Autophagy Genes Specific to Multicellular Organisms. <i>Cell</i> , 2010, 141, 1042-1055.	28.9	369
2	Mechanisms of AIF-Mediated Apoptotic DNA Degradation in <i>Caenorhabditis elegans</i> . <i>Science</i> , 2002, 298, 1587-1592.	12.6	361
3	Cell Corpse Engulfment Mediated by C. elegans Phosphatidylserine Receptor Through CED-5 and CED-12. <i>Science</i> , 2003, 302, 1563-1566.	12.6	183
4	Lysosome biogenesis: Regulation and functions. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	154
5	LAAT-1 Is the Lysosomal Lysine/Arginine Transporter That Maintains Amino Acid Homeostasis. <i>Science</i> , 2012, 337, 351-354.	12.6	147
6	Role of <i>C. elegans</i> TAT-1 Protein in Maintaining Plasma Membrane Phosphatidylserine Asymmetry. <i>Science</i> , 2008, 320, 528-531.	12.6	129
7	Guidelines for monitoring autophagy in <i>Caenorhabditis elegans</i> . <i>Autophagy</i> , 2015, 11, 9-27.	9.1	119
8	<i>Caenorhabditis elegans</i> transthyretin-like protein TTR-52 mediates recognition of apoptotic cells by the CED-1 phagocyte receptor. <i>Nature Cell Biology</i> , 2010, 12, 655-664.	10.3	114
9	C. elegans mitochondrial factor WAH-1 promotes phosphatidylserine externalization in apoptotic cells through phospholipid scramblase SCRM-1. <i>Nature Cell Biology</i> , 2007, 9, 541-549.	10.3	108
10	Lysosome activity is modulated by multiple longevity pathways and is important for lifespan extension in <i>C. elegans</i> . <i>ELife</i> , 2020, 9, .	6.0	97
11	Endocytic Sorting and Recycling Require Membrane Phosphatidylserine Asymmetry Maintained by TAT-1/CHAT-1. <i>PLoS Genetics</i> , 2010, 6, e1001235.	3.5	87
12	Sequential action of <i>Caenorhabditis elegans</i> Rab GTPases regulates phagolysosome formation during apoptotic cell degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18016-18021.	7.1	77
13	Autophagy genes function sequentially to promote apoptotic cell corpse degradation in the engulfing cell. <i>Journal of Cell Biology</i> , 2012, 197, 27-35.	5.2	75
14	ATF4 plays a pivotal role in the development of functional hematopoietic stem cells in mouse fetal liver. <i>Blood</i> , 2015, 126, 2383-2391.	1.4	58
15	An ECM-to-Nucleus Signaling Pathway Activates Lysosomes for <i>C. elegans</i> Larval Development. <i>Developmental Cell</i> , 2020, 52, 21-37.e5.	7.0	57
16	<i>C. elegans</i> Rab GTPase activating protein TBC-2 promotes cell corpse degradation by regulating the small GTPase RAB-5. <i>Development (Cambridge)</i> , 2009, 136, 2445-2455.	2.5	55
17	<i>Caenorhabditis elegans</i> Myotubularin MTM-1 Negatively Regulates the Engulfment of Apoptotic Cells. <i>PLoS Genetics</i> , 2009, 5, e1000679.	3.5	51
18	The lysosomal membrane protein SCAV-3 maintains lysosome integrity and adult longevity. <i>Journal of Cell Biology</i> , 2016, 215, 167-185.	5.2	51

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19	<i>C. elegans</i> Rab GTPase 2 is required for the degradation of apoptotic cells. <i>Development (Cambridge)</i> , 2008, 135, 1069-1080.	2.5	48
20	<scp>PI</scp>3<scp>P</scp> phosphatase activity is required for autophagosome maturation and autolysosome formation. <i>EMBO Reports</i> , 2014, 15, 973-981.	4.5	44
21	PtdIns(4,5)P2 and PtdIns3P coordinate to regulate phagosomal sealing for apoptotic cell clearance. <i>Journal of Cell Biology</i> , 2015, 210, 485-502.	5.2	44
22	Programmed cell death and clearance of cell corpses in <i>Caenorhabditis elegans</i> . <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 2221-2236.	5.4	42
23	Autophagy-dependent ribosomal RNA degradation is essential for maintaining nucleotide homeostasis during <i>C. elegans</i> development. <i>ELife</i> , 2018, 7, .	6.0	41
24	Autophagy genes coordinate with the class II PI/PtdIns 3-kinase PIK1-1 to regulate apoptotic cell clearance in <i>C. elegans</i> . <i>Autophagy</i> , 2013, 9, 2022-2032.	9.1	35
25	<i>C. elegans</i> Secreted Lipid-Binding Protein NRF-5 Mediates PS Appearance on Phagocytes for Cell Corpse Engulfment. <i>Current Biology</i> , 2012, 22, 1276-1284.	3.9	33
26	Residual body removal during spermatogenesis in <i>C. elegans</i> requires genes that mediate cell corpse clearance. <i>Development (Cambridge)</i> , 2012, 139, 4613-4622.	2.5	31
27	Ubiquitination of the PI3-kinase VPS-34 promotes VPS-34 stability and phagosome maturation. <i>Journal of Cell Biology</i> , 2018, 217, 347-360.	5.2	29
28	The lysosomal cathepsin protease CPL-1 plays a leading role in phagosomal degradation of apoptotic cells in <i>Caenorhabditis elegans</i> . <i>Molecular Biology of the Cell</i> , 2014, 25, 2071-2083.	2.1	26
29	Distinct roles of two myosins in <i>C. elegans</i> spermatid differentiation. <i>PLoS Biology</i> , 2019, 17, e3000211.	5.6	19
30	The amino acid transporter SLC-36.1 cooperates with PtdIns3P 5-kinase to control phagocytic lysosome reformation. <i>Journal of Cell Biology</i> , 2019, 218, 2619-2637.	5.2	18
31	Structural study of TTR-52 reveals the mechanism by which a bridging molecule mediates apoptotic cell engulfment. <i>Genes and Development</i> , 2012, 26, 1339-1350.	5.9	15
32	GOP-1 promotes apoptotic cell degradation by activating the small GTPase Rab2 in <i>C. elegans</i> . <i>Journal of Cell Biology</i> , 2017, 216, 1775-1794.	5.2	15
33	A novel requirement for ubiquitin-conjugating enzyme UBC-13 in retrograde recycling of MIG-14/Wntless and Wnt signaling. <i>Molecular Biology of the Cell</i> , 2018, 29, 2098-2112.	2.1	15
34	The nascent polypeptide-associated complex is essential for autophagic flux. <i>Autophagy</i> , 2014, 10, 1738-1748.	9.1	14
35	Cell biology in China: Focusing on the lysosome. <i>Traffic</i> , 2017, 18, 348-357.	2.7	12
36	Rab GTPases act in sequential steps to regulate phagolysosome formation. <i>Small GTPases</i> , 2010, 1, 170-173.	1.6	10

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37	The RBG-1/RBG-2 complex modulates autophagy activity by regulating lysosomal biogenesis and function. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	8
38	M05B5.4 (lysosomal phospholipase A2) promotes disintegration of autophagic vesicles to maintain <i>C. elegans</i> development. <i>Autophagy</i> , 2022, 18, 595-607.	9.1	8
39	Filamin FLN-2 promotes MVB biogenesis by mediating vesicle docking on the actin cytoskeleton. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	5
40	Chasing the precursor of functional hematopoietic stem cells at the single cell levels in mouse embryos. <i>Journal of Hematology and Oncology</i> , 2016, 9, 58.	17.0	3
41	Dissecting Phagocytic Removal of Apoptotic Cells in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2017, 1519, 265-284.	0.9	3
42	China's top 10 hematologic advances in 2020. <i>Blood Science</i> , 2021, 3, 27-28.	0.9	0