Xiaochen Wang

List of Publications by Year
in descending order

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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	M05B5.4 (lysosomal phospholipase A2) promotes disintegration of autophagic vesicles to maintain C. elegans development. Autophagy, 2022, 18, 595-607.	9.1	8
2	Filamin FLN-2 promotes MVB biogenesis by mediating vesicle docking on the actin cytoskeleton. Journal of Cell Biology, 2022, 221, .	5.2	5
3	China's top 10 hematologic advances in 2020. Blood Science, 2021, 3, 27-28.	0.9	0
4	Lysosome biogenesis: Regulation and functions. Journal of Cell Biology, 2021, 220, .	5.2	154
5	An ECM-to-Nucleus Signaling Pathway Activates Lysosomes for C.Âelegans Larval Development. Developmental Cell, 2020, 52, 21-37.e5.	7.0	57
6	Lysosome activity is modulated by multiple longevity pathways and is important for lifespan extension in C. elegans. ELife, 2020, 9, .	6.0	97
7	The RBG-1/RBG-2 complex modulates autophagy activity by regulating lysosomal biogenesis and function. Journal of Cell Science, 2019, 132, .	2.0	8
8	The amino acid transporter SLC-36.1 cooperates with PtdIns3P 5-kinase to control phagocytic lysosome reformation. Journal of Cell Biology, 2019, 218, 2619-2637.	5.2	18
9	Distinct roles of two myosins in C. elegans spermatid differentiation. PLoS Biology, 2019, 17, e3000211.	5.6	19
10	Ubiquitination of the PI3-kinase VPS-34 promotes VPS-34 stability and phagosome maturation. Journal of Cell Biology, 2018, 217, 347-360.	5.2	29
11	A novel requirement for ubiquitin-conjugating enzyme UBC-13 in retrograde recycling of MIG-14/Wntless and Wnt signaling. Molecular Biology of the Cell, 2018, 29, 2098-2112.	2.1	15
12	Autophagy-dependent ribosomal RNA degradation is essential for maintaining nucleotide homeostasis during C. elegans development. ELife, 2018, 7, .	6.0	41
13	GOP-1 promotes apoptotic cell degradation by activating the small GTPase Rab2 in C. elegans. Journal of Cell Biology, 2017, 216, 1775-1794.	5.2	15
14	Cell biology in China: Focusing on the lysosome. Traffic, 2017, 18, 348-357.	2.7	12
15	Dissecting Phagocytic Removal of Apoptotic Cells in Caenorhabditis elegans. Methods in Molecular Biology, 2017, 1519, 265-284.	0.9	3
16	Programmed cell death and clearance of cell corpses in Caenorhabditis elegans. Cellular and Molecular Life Sciences, 2016, 73, 2221-2236.	5.4	42
17	Chasing the precursor of functional hematopoietic stem cells at the single cell levels in mouse embryos. Journal of Hematology and Oncology, 2016, 9, 58.	17.0	3
18	The lysosomal membrane protein SCAV-3 maintains lysosome integrity and adult longevity. Journal of Cell Biology, 2016, 215, 167-185.	5.2	51

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19	ATF4 plays a pivotal role in the development of functional hematopoietic stem cells in mouse fetal liver. Blood, 2015, 126, 2383-2391.	1.4	58
20	PtdIns(4,5)P2 and PtdIns3P coordinate to regulate phagosomal sealing for apoptotic cell clearance. Journal of Cell Biology, 2015, 210, 485-502.	5.2	44
21	Guidelines for monitoring autophagy in Caenorhabditis elegans. Autophagy, 2015, 11, 9-27.	9.1	119
22	The lysosomal cathepsin protease CPL-1 plays a leading role in phagosomal degradation of apoptotic cells inCaenorhabditis elegans. Molecular Biology of the Cell, 2014, 25, 2071-2083.	2.1	26
23	The nascent polypeptide-associated complex is essential for autophagic flux. Autophagy, 2014, 10, 1738-1748.	9.1	14
24	<scp>PI</scp>3<scp>P</scp> phosphatase activity is required for autophagosome maturation and autolysosome formation. EMBO Reports, 2014, 15, 973-981.	4.5	44
25	Autophagy genes coordinate with the class II PI/PtdIns 3-kinase PIKI-1 to regulate apoptotic cell clearance inC. elegans. Autophagy, 2013, 9, 2022-2032.	9.1	35
26	Autophagy genes function sequentially to promote apoptotic cell corpse degradation in the engulfing cell. Journal of Cell Biology, 2012, 197, 27-35.	5.2	75
27	Structural study of TTR-52 reveals the mechanism by which a bridging molecule mediates apoptotic cell engulfment. Genes and Development, 2012, 26, 1339-1350.	5.9	15
28	LAAT-1 Is the Lysosomal Lysine/Arginine Transporter That Maintains Amino Acid Homeostasis. Science, 2012, 337, 351-354.	12.6	147
29	C.Âelegans Secreted Lipid-Binding Protein NRF-5 Mediates PS Appearance on Phagocytes for Cell Corpse Engulfment. Current Biology, 2012, 22, 1276-1284.	3.9	33
30	Residual body removal during spermatogenesis in C. elegans requires genes that mediate cell corpse clearance. Development (Cambridge), 2012, 139, 4613-4622.	2.5	31
31	Caenorhabditis elegans transthyretin-like protein TTR-52 mediates recognition of apoptotic cells by the CED-1 phagocyte receptor. Nature Cell Biology, 2010, 12, 655-664.	10.3	114
32	Sequential action of Caenorhabditis elegans Rab GTPases regulates phagolysosome formation during apoptotic cell degradation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18016-18021.	7.1	77
33	Endocytic Sorting and Recycling Require Membrane Phosphatidylserine Asymmetry Maintained by TAT-1/CHAT-1. PLoS Genetics, 2010, 6, e1001235.	3.5	87
34	Rab GTPases act in sequential steps to regulate phagolysosome formation. Small GTPases, 2010, 1, 170-173.	1.6	10
35	C. elegans Screen Identifies Autophagy Genes Specific to Multicellular Organisms. Cell, 2010, 141, 1042-1055.	28.9	369
36	Caenorhabditis elegans Myotubularin MTM-1 Negatively Regulates the Engulfment of Apoptotic Cells. PLoS Genetics, 2009, 5, e1000679.	3.5	51

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37	C. elegansRab GTPase activating protein TBC-2 promotes cell corpse degradation by regulating the small GTPase RAB-5. Development (Cambridge), 2009, 136, 2445-2455.	2.5	55
38	Role of C. elegans TAT-1 Protein in Maintaining Plasma Membrane Phosphatidylserine Asymmetry. Science, 2008, 320, 528-531.	12.6	129
39	C. elegans Rab GTPase 2 is required for the degradation of apoptotic cells. Development (Cambridge), 2008, 135, 1069-1080.	2.5	48
40	C. elegans mitochondrial factor WAH-1 promotes phosphatidylserine externalization in apoptotic cells through phospholipid scramblase SCRM-1. Nature Cell Biology, 2007, 9, 541-549.	10.3	108
41	Cell Corpse Engulfment Mediated by C. elegans Phosphatidylserine Receptor Through CED-5 and CED-12. Science, 2003, 302, 1563-1566.	12.6	183
42	Mechanisms of AIF-Mediated Apoptotic DNA Degradation in Caenorhabditis elegans. Science, 2002, 298, 1587-1592.	12.6	361