## Endolysosomes Are the Principal Intracellular Sites of A

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Citation Report

#	Article	IF	CITATIONS
1	CCT complex restricts neuropathogenic protein aggregation via autophagy. Nature Communications, 2016, 7, 13821.	5.8	107
2	A voltage-dependent K+ channel in the lysosome is required for refilling lysosomal Ca2+ stores. Journal of Cell Biology, 2017, 216, 1715-1730.	2.3	69
3	Defects in ER–endosome contacts impact lysosome function in hereditary spastic paraplegia. Journal of Cell Biology, 2017, 216, 1337-1355.	2.3	136
4	Stop or Go? Endosome Positioning in the Establishment of Compartment Architecture, Dynamics, and Function. Trends in Cell Biology, 2017, 27, 580-594.	3.6	77
5	Endoâ€lysosomal and autophagic dysfunction: a driving factor in Alzheimer's disease?. Journal of Neurochemistry, 2017, 140, 703-717.	2.1	112
6	<scp>PIKfyve</scp> activity regulates reformation of terminal storage lysosomes from endolysosomes. Traffic, 2017, 18, 747-757.	1.3	85
7	An activity-dependent proximity ligation platform for spatially resolved quantification of active enzymes in single cells. Nature Communications, 2017, 8, 1775.	5.8	33
8	Amyloid precursor protein and endosomal″ysosomal dysfunction in Alzheimer's disease: inseparable partners in a multifactorial disease. FASEB Journal, 2017, 31, 2729-2743.	0.2	249
9	Lysosomes: How Plasma Membrane Repair Route Can Be Hijacked by Parasites?. , 2017, , .		0
10	The vacuolar-ATPase complex and assembly factors, TMEM199 and CCDC115, control HIF1α prolyl hydroxylation by regulating cellular iron levels. ELife, 2017, 6, .	2.8	77
11	Triggered recruitment of ESCRT machinery promotes endolysosomal repair. Science, 2018, 360, .	6.0	314
12	A role for P2X4 receptors in lysosome function. Journal of General Physiology, 2018, 150, 185-187.	0.9	16
13	Single organelle dynamics linked to 3D structure by correlative liveâ€cell imaging and 3D electron microscopy. Traffic, 2018, 19, 354-369.	1.3	72
14	Phagocytosis of antibodyâ€opsonized tumor cells leads to the formation of a discrete vacuolar compartment in macrophages. Traffic, 2018, 19, 273-284.	1.3	8
15	Axonal transport and maturation of lysosomes. Current Opinion in Neurobiology, 2018, 51, 45-51.	2.0	96
16	The interferon-inducible isoform of NCOA7 inhibits endosome-mediated viral entry. Nature Microbiology, 2018, 3, 1369-1376.	5.9	54
17	To degrade or not to degrade: mechanisms and significance of endocytic recycling. Nature Reviews Molecular Cell Biology, 2018, 19, 679-696.	16.1	358
18	<i>Drosophila</i> Rab2 controls endosome-lysosome fusion and LAMP delivery to late endosomes. Autophagy, 2018, 14, 1520-1542.	4.3	37

#	Article	IF	CITATIONS
19	BK channel inhibition by strong extracellular acidification. ELife, 2018, 7, .	2.8	12
20	The Lysosome and Intracellular Signalling. Progress in Molecular and Subcellular Biology, 2018, 57, 151-180.	0.9	33
21	Lysosomal membrane permeabilization and cell death. Traffic, 2018, 19, 918-931.	1.3	434
22	Age-related endolysosome dysfunction in the rat urothelium. PLoS ONE, 2018, 13, e0198817.	1.1	32
23	Lysosome trafficking and signaling in health and neurodegenerative diseases. Neurobiology of Disease, 2019, 122, 94-105.	2.1	208
24	Identification of a factor controlling lysosomal homeostasis using a novel lysosomal trafficking probe. Scientific Reports, 2019, 9, 11635.	1.6	23
25	Me2SO- and serum-free cryopreservation of human umbilical cord mesenchymal stem cells using electroporation-assisted delivery of sugars. Cryobiology, 2019, 91, 104-114.	0.3	21
26	Mammalian Atg8 proteins regulate lysosome and autolysosome biogenesis through <scp>SNARE</scp> s. EMBO Journal, 2019, 38, e101994.	3.5	37
27	Fast and cloningâ€free CRISPR/Cas9â€mediated genomic editing in mammalian cells. Traffic, 2019, 20, 974-982.	1.3	10
28	Granulovacuolar degeneration bodies are neuron-selective lysosomal structures induced by intracellular tau pathology. Acta Neuropathologica, 2019, 138, 943-970.	3.9	48
29	Molecular identification of a BAR domain-containing coat complex for endosomal recycling of transmembrane proteins. Nature Cell Biology, 2019, 21, 1219-1233.	4.6	81
30	Lysosome Fission: Planning for an Exit. Trends in Cell Biology, 2019, 29, 635-646.	3.6	66
31	The Lysosome Signaling Platform: Adapting With the Times. Frontiers in Cell and Developmental Biology, 2019, 7, 113.	1.8	111
32	The lysosomal disease caused by mutant VPS33A. Human Molecular Genetics, 2019, 28, 2514-2530.	1.4	24
33	HIV and Alzheimer's disease: complex interactions of HIV-Tat with amyloid β peptide and Tau protein. Journal of NeuroVirology, 2019, 25, 648-660.	1.0	29
34	P2X4 and lysosome fusion. Current Opinion in Pharmacology, 2019, 47, 126-132.	1.7	31
35	Oxidative Stress and Dysfunctional Intracellular Traffic Linked to an Unhealthy Diet Results in Impaired Cargo Transport in the Retinal Pigment Epithelium (RPE). Molecular Nutrition and Food Research, 2019, 63, e1800951.	1.5	15
36	Back From the Brink: Retrieval of Membrane Proteins From Terminal Compartments. BioEssays, 2019, 41, e1800146.	1.2	11

#	Article	IF	CITATIONS
37	Smart Polymeric Nanocarriers for Drug Delivery. , 2019, , 439-479.		9
38	Enhanced translation expands the endo-lysosome size and promotes antigen presentation during phagocyte activation. PLoS Biology, 2019, 17, e3000535.	2.6	49
39	Retromer has a selective function in cargo sorting via endosome transport carriers. Journal of Cell Biology, 2019, 218, 615-631.	2.3	118
40	How to do business with lysosomes: Salmonella leads the way. Current Opinion in Microbiology, 2019, 47, 1-7.	2.3	21
41	Lysosomal Ion Channels as Decoders of Cellular Signals. Trends in Biochemical Sciences, 2019, 44, 110-124.	3.7	105
42	Endosomal Escape and Cytosolic Penetration of Macromolecules Mediated by Synthetic Delivery Agents. Bioconjugate Chemistry, 2019, 30, 293-304.	1.8	74
43	Lysosomal storage disorders – challenges, concepts and avenues for therapy: beyond rare diseases. Journal of Cell Science, 2019, 132, jcs221739.	1.2	141
44	Cellâ€Nanoparticle Interactions at (Sub)–Nanometer Resolution Analyzed by Electron Microscopy and Correlative Coherent Anti‧tokes Raman Scattering. Biotechnology Journal, 2019, 14, 1800413.	1.8	5
45	Lysosomal size matters. Traffic, 2020, 21, 60-75.	1.3	130
46	Does lysosomal rupture evoke Ca2+ release? A question of pores and stores. Cell Calcium, 2020, 86, 102139.	1.1	18
47	Mechanism and evolution of the Zn-fingernail required for interaction of VARP with VPS29. Nature Communications, 2020, 11, 5031.	5.8	21
48	Cytokines and metabolic regulation: A framework of bidirectional influences affecting Leishmania infection. Cytokine, 2021, 147, 155267.	1.4	7
49	The Ins and Outs of Cathepsins: Physiological Function and Role in Disease Management. Cells, 2020, 9, 1679.	1.8	197
50	Measuring lysosomal size and frequency by electron microscopy. Methods in Cell Biology, 2020, 164, 47-61.	0.5	5
51	Retromer retrieves the Wilson Disease protein ATP7B from endolysosomes in a copper-dependent mode. Journal of Cell Science, 2020, 133, .	1.2	10
52	Tracing the <i>In Vivo</i> Fate of Nanoparticles with a "Non-Self―Biological Identity. ACS Nano, 2020, 14, 10666-10679.	7.3	12
53	The macrophage microtubule network acts as a key cellular controller of the intracellular fate ofÂLeishmania infantum. PLoS Neglected Tropical Diseases, 2020, 14, e0008396.	1.3	1
54	ESCRT puts its thumb on the nanoscale: Fixing tiny holes in endolysosomes. Current Opinion in Cell Biology, 2020, 65, 122-130.	2.6	30

#	Article	IF	CITATIONS
55	Endosomal membrane tension regulates ESCRT-III-dependent intra-lumenal vesicle formation. Nature Cell Biology, 2020, 22, 947-959.	4.6	68
56	Redirecting Vesicular Transport to Improve Nonviral Delivery of Molecular Cargo. Advanced Biology, 2020, 4, e2000059.	3.0	5
57	Insights on SARS-CoV-2 Molecular Interactions With the Renin-Angiotensin System. Frontiers in Cell and Developmental Biology, 2020, 8, 559841.	1.8	50
58	Role of Endolysosomes in Severe Acute Respiratory Syndrome Coronavirus-2 Infection and Coronavirus Disease 2019 Pathogenesis: Implications for Potential Treatments. Frontiers in Pharmacology, 2020, 11, 595888.	1.6	44
59	Lysosomal Exocytosis: The Extracellular Role of an Intracellular Organelle. Membranes, 2020, 10, 406.	1.4	69
60	Nanocarrierâ€Mediated Cytosolic Delivery of Biopharmaceuticals. Advanced Functional Materials, 2020, 30, 1910566.	7.8	99
61	Small Trafficking Inhibitor Retro-2 Disrupts the Microtubule-Dependent Trafficking of Autophagic Vacuoles. Frontiers in Cell and Developmental Biology, 2020, 8, 464.	1.8	5
62	Deep learning approach for quantification of organelles and misfolded polypeptide delivery within degradative compartments. Molecular Biology of the Cell, 2020, 31, 1512-1524.	0.9	20
63	Spatial regulation of mTORC1 signalling: Beyond the Rag GTPases. Seminars in Cell and Developmental Biology, 2020, 107, 103-111.	2.3	19
64	RabX1 Organizes a Late Endosomal Compartment that Forms Tubular Connections to Lysosomes Consistent with a "Kiss and Run―Mechanism. Current Biology, 2020, 30, 1177-1188.e5.	1.8	6
65	Acid Ceramidase Depletion Impairs Neuronal Survival and Induces Morphological Defects in Neurites Associated with Altered Gene Transcription and Sphingolipid Content. International Journal of Molecular Sciences, 2020, 21, 1607.	1.8	6
66	Dynamic Buffering of Extracellular Chemokine by a Dedicated Scavenger Pathway Enables Robust Adaptation during Directed Tissue Migration. Developmental Cell, 2020, 52, 492-508.e10.	3.1	25
67	TRP Channels as Interior Designers: Remodeling the Endolysosomal Compartment in Natural Killer Cells. Frontiers in Immunology, 2020, 11, 753.	2.2	13
68	The Dynein Adaptor RILP Controls Neuronal Autophagosome Biogenesis, Transport, and Clearance. Developmental Cell, 2020, 53, 141-153.e4.	3.1	48
69	Cathepsins in the Pathophysiology of Mucopolysaccharidoses: New Perspectives for Therapy. Cells, 2020, 9, 979.	1.8	28
70	Involvement of CASP9 (caspase 9) in IGF2R/CI-MPR endosomal transport. Autophagy, 2021, 17, 1393-1409.	4.3	11
71	Epsins in vascular development, function and disease. Cellular and Molecular Life Sciences, 2021, 78, 833-842.	2.4	11
72	Kinetics of nanoparticle uptake into and distribution in human cells. Nanoscale Advances, 2021, 3, 2196-2212.	2.2	19

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#	Article	IF	CITATIONS
73	The axonal endolysosomal and autophagic systems. Journal of Neurochemistry, 2021, 158, 589-602.	2.1	24
74	Solutes as controllers of endomembrane dynamics. Nature Reviews Molecular Cell Biology, 2021, 22, 237-238.	16.1	9
75	Endomembrane Tension and Trafficking. Frontiers in Cell and Developmental Biology, 2020, 8, 611326.	1.8	30
77	Lysosome (Dys)function in Atherosclerosis—A Big Weight on the Shoulders of a Small Organelle. Frontiers in Cell and Developmental Biology, 2021, 9, 658995.	1.8	21
79	Lysosome biogenesis: Regulation and functions. Journal of Cell Biology, 2021, 220, .	2.3	154
80	Organelle tethering, pore formation and SNARE compensation in the late endocytic pathway. Journal of Cell Science, 2021, 134, .	1.2	6
81	Biâ€allelic VPS16 variants limit HOPS/CORVET levels and cause a mucopolysaccharidosisâ€like disease. EMBO Molecular Medicine, 2021, 13, e13376.	3.3	16
82	Phagosome resolution regenerates lysosomes and maintains the degradative capacity in phagocytes. Journal of Cell Biology, 2021, 220, .	2.3	40
84	LRRK2 recruitment, activity, and function in organelles. FEBS Journal, 2022, 289, 6871-6890.	2.2	43
85	Axon terminals control endolysosome diffusion to support synaptic remodelling. Life Science Alliance, 2021, 4, e202101105.	1.3	3
86	Formation of Lipofuscin-Like Autofluorescent Granules in the Retinal Pigment Epithelium Requires Lysosome Dysfunction. , 2021, 62, 39.		6
88	Role of Viral Protein U (Vpu) in HIV-1 Infection and Pathogenesis. Viruses, 2021, 13, 1466.	1.5	13
89	Catabolism of lysosome-related organelles in color-changing spiders supports intracellular turnover of pigments. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	10
90	Interruption of Endolysosomal Trafficking After Focal Brain Ischemia. Frontiers in Molecular Neuroscience, 2021, 14, 719100.	1.4	3
91	P2X4 Receptors Mediate Ca2+ Release from Lysosomes in Response to Stimulation of P2X7 and H1 Histamine Receptors. International Journal of Molecular Sciences, 2021, 22, 10492.	1.8	6
92	Quantitative proteomics reveals the selectivity of ubiquitin-binding autophagy receptors in the turnover of damaged lysosomes by lysophagy. ELife, 2021, 10, .	2.8	59
93	The Role of Cathepsin B in Ischemia-Reperfusion Injury After Stroke. , 0, , 131-148.		2
94	Interruption of endolysosomal trafficking leads to stroke brain injury. Experimental Neurology, 2021, 345, 113827.	2.0	11

#	Article	IF	CITATIONS
95	Exosomes induce endolysosomal permeabilization as a gateway by which exosomal tau seeds escape into the cytosol. Acta Neuropathologica, 2021, 141, 235-256.	3.9	66
96	Targeting Cancer Lysosomes with Good Old Cationic Amphiphilic Drugs. Reviews of Physiology, Biochemistry and Pharmacology, 2020, , 107-152.	0.9	12
97	Lysosome biology in autophagy. Cell Discovery, 2020, 6, 6.	3.1	420
98	Autophagy and endocytosis – interconnections and interdependencies. Journal of Cell Science, 2020, 133, .	1.2	83
99	Impaired lysosomal acidification triggers iron deficiency and inflammation in vivo. ELife, 2019, 8, .	2.8	138
100	A microscopy-based kinetic analysis of yeast vacuolar protein sorting. ELife, 2020, 9, .	2.8	31
101	Preparation and antitumor application of <i>N</i> -phenylcarbazole/triphenylamine-modified fluorescent half-sandwich iridium( <scp>iii</scp> ) Schiff base complexes. Dalton Transactions, 2021, 50, 15888-15899.	1.6	4
102	Phagosome maturation in macrophages: Eat, digest, adapt, and repeat. Advances in Biological Regulation, 2021, 82, 100832.	1.4	24
108	The lysosome as an imperative regulator of autophagy and cell death. Cellular and Molecular Life Sciences, 2021, 78, 7435-7449.	2.4	68
111	mTOR: A possible therapeutic target against SARS-CoV-2 infection. , 2021, 2, 5-7.		0
112	Quantitative correlative microscopy reveals the ultrastructural distribution of endogenous endosomal proteins. Journal of Cell Biology, 2022, 221, .	2.3	33
113	Reactive oxygen species prevent lysosome coalescence during PIKfyve inhibition. PLoS ONE, 2021, 16, e0259313.	1.1	9
114	Detection and quantification of the vacuolar H+ATPase using the <i>Legionella</i> effector protein SidK. Journal of Cell Biology, 2022, 221, .	2.3	16
115	Endosomal recycling and dopamine neurotransmission: Exploring the links between the retromer and Parkinson's disease. Synapse, 2022, , .	0.6	0
116	Built to last: lysosome remodeling and repair in health and disease. Trends in Cell Biology, 2022, 32, 597-610.	3.6	24
117	Neuronal endolysosomal transport and lysosomal functionality in maintaining axonostasis. Journal of Cell Biology, 2022, 221, .	2.3	17
118	HIVâ€l Tat endocytosis and retention in endolysosomes affects HIVâ€l Tatâ€induced LTR transactivation in astrocytes. FASEB Journal, 2022, 36, e22184.	0.2	5
119	Nanocarriers Made of Proteins: Intracellular Visualization of a Smart Biodegradable Drug Delivery System. Small, 2022, 18, e2106094.	5.2	4

#	Article	IF	CITATIONS
120	Current methods to analyze lysosome morphology, positioning, motility and function. Traffic, 2022, 23, 238-269.	1.3	37
121	RUFY3 links Arl8b and JIP4-Dynein complex to regulate lysosome size and positioning. Nature Communications, 2022, 13, 1540.	5.8	36
122	Annexins A1 and A2 are recruited to larger lysosomal injuries independently of ESCRTs to promote repair. FEBS Letters, 2022, 596, 991-1003.	1.3	11
123	Restriction factor screening identifies RABGAP1L-mediated disruption of endocytosis as a host antiviral defense. Cell Reports, 2022, 38, 110549.	2.9	4
124	Imaging and Measuring Vesicular Acidification with a Plasma Membrane-Targeted Ratiometric pH Probe. Analytical Chemistry, 2022, 94, 5996-6003.	3.2	13
125	Highly diluted bioactive compounds in marine aquaculture: A potential alternative for sustainable production. Reviews in Aquaculture, 2022, 14, 1170-1193.	4.6	5
126	A Compendium of Information on the Lysosome. Frontiers in Cell and Developmental Biology, 2021, 9, 798262.	1.8	22
128	DGAT1 activity synchronises with mitophagy to protect cells from metabolic rewiring by iron  depletion. EMBO Journal, 2022, 41, e109390.	3.5	22
129	The Endolysosomal System: The Acid Test for SARS-CoV-2. International Journal of Molecular Sciences, 2022, 23, 4576.	1.8	5
132	Phenotypic Screening Using High-Content Imaging to Identify Lysosomal pH Modulators in a Neuronal Cell Model. ACS Chemical Neuroscience, 2022, , .	1.7	3
133	Is P-Glycoprotein Functionally Expressed in the Limiting Membrane of Endolysosomes? A Biochemical and Ultrastructural Study in the Rat Liver. Cells, 2022, 11, 1556.	1.8	4
135	Potential Antiviral Strategy Exploiting Dependence of SARS-CoV-2 Replication on Lysosome-Based Pathway. International Journal of Molecular Sciences, 2022, 23, 6188.	1.8	5
136	Gallium Nanodroplets are Anti-Inflammatory without Interfering with Iron Homeostasis. ACS Nano, 2022, 16, 8891-8903.	7.3	33
137	The ESCRT Machinery: Remodeling, Repairing, and Sealing Membranes. Membranes, 2022, 12, 633.	1.4	23
140	Inhibition of lipid kinase PIKfyve reveals a role for phosphatase Inpp4b in the regulation of PI(3)P-mediated lysosome dynamics through VPS34 activity. Journal of Biological Chemistry, 2022, 298, 102187.	1.6	0
141	Nanoparticle entry into cells; the cell biology weak link. Advanced Drug Delivery Reviews, 2022, 188, 114403.	6.6	31
142	Direct control of lysosomal catabolic activity by mTORC1 through regulation of V-ATPase assembly. Nature Communications, 2022, 13, .	5.8	33
143	Assessment of endocytic traffic and Ocrl function in the developing zebrafish neuroepithelium. Journal of Cell Science, 2022, 135, .	1.2	1

#	Article	IF	CITATIONS
144	Endosome maturation links <scp>PI3Kα</scp> signaling to lysosome repopulation during basal autophagy. EMBO Journal, 2022, 41, .	3.5	15
145	Early Endosomal Compartments. , 2022, , .		0
146	Organelles: Structure and Function $\hat{a} \in ``$ The Late Endosome. , 2022, , .		0
147	The endoplasmic reticulum contributes to lysosomal tubulation/sorting driven by LRRK2. Molecular Biology of the Cell, 2022, 33, .	0.9	7
148	ER membrane contact sites support endosomal small GTPase conversion for exosome secretion. Journal of Cell Biology, 2022, 221, .	2.3	21
150	The critical role of the endolysosomal system in cerebral ischemia. Neural Regeneration Research, 2023, 18, 983.	1.6	0
151	Cathepsin L and acute ischemic stroke: A mini-review. , 0, 1, .		1
152	Choreographing the motor-driven endosomal dance. Journal of Cell Science, 2023, 136, .	1.2	8
153	Loss of TMEM106B exacerbates C9ALS/FTD DPR pathology by disrupting autophagosome maturation. Frontiers in Cellular Neuroscience, 0, 16, .	1.8	2
154	Endosomal Transport to Lysosomes and the Trans-Golgi Network in Neurons and Other Cells: Visualizing Maturational Flux. Methods in Molecular Biology, 2023, , 595-618.	0.4	2
156	Consecutive functions of small GTPases guide HOPS-mediated tethering of late endosomes and lysosomes. Cell Reports, 2023, 42, 111969.	2.9	14
157	A CRISPR screen in intestinal epithelial cells identifies novel factors for polarity and apical transport. ELife, 0, 12, .	2.8	1
158	Cysteine Cathepsins as Therapeutic Targets in Immune Regulation and Immune Disorders. Biomedicines, 2023, 11, 476.	1.4	7
159	Sugar transporter Slc37a2 regulates bone metabolism in mice via a tubular lysosomal network in osteoclasts. Nature Communications, 2023, 14, .	5.8	4
161	Functional characterization of endo-lysosomal compartments by correlative live-cell and volume electron microscopy. Methods in Cell Biology, 2023, , 301-326.	0.5	1
177	Lysosomes as coordinators of cellular catabolism, metabolic signalling and organ physiology. Nature Reviews Molecular Cell Biology, 2024, 25, 223-245.	16.1	5