Shawn M Ferguson

List of Publications by Year
in descending order

66	7,710	87888 38	106344 65
papers	citations	h-index	g-index

87	87	87	12286
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	JIP3 links lysosome transport to regulation of multiple components of the axonal cytoskeleton. Communications Biology, 2022, 5, 5.	4.4	10
2	Efficient progranulin exit from the ER requires its interaction with prosaposin, a Surf4 cargo. Journal of Cell Biology, 2022, 221, .	5.2	12
3	ER-lysosome lipid transfer protein VPS13C/PARK23 prevents aberrant mtDNA-dependent STING signaling. Journal of Cell Biology, 2022, 221, .	5.2	34
4	Receptor-like role for PQLC2 amino acid transporter in the lysosomal sensing of cationic amino acids. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	14
5	Overlapping roles of JIP3 and JIP4 in promoting axonal transport of lysosomes in human iPSC-derived neurons. Molecular Biology of the Cell, 2021, 32, 1094-1103.	2.1	33
6	PLD3 is a neuronal lysosomal phospholipase D associated with Î²-amyloid plaques and cognitive function in Alzheimerâ€™s disease. PLoS Genetics, 2021, 17, e1009406.	3.5	26
7	TSC2 regulates lysosome biogenesis via a non-canonical RAGC and TFEB-dependent mechanism. Nature Communications, 2021, 12, 4245.	12.8	52
8	PQLC2 recruits the C9orf72 complex to lysosomes in response to cationic amino acid starvation. Journal of Cell Biology, 2020, 219, .	5.2	42
9	Coordination of Rheb lysosomal membrane interactions with mTORC1 activation. F1000Research, 2020, 9, 450.	1.6	19
10	Recessive Mutations in AP1B1 Cause Ichthyosis, Deafness, and Photophobia. American Journal of Human Genetics, 2019, 105, 1023-1029.	6.2	21
11	Weak membrane interactions allow Rheb to activate mTORC1 signaling without major lysosome enrichment. Molecular Biology of the Cell, 2019, 30, 2750-2760.	2.1	34
12	Lysosomes Dare Cells to be Different(iated). Cell Stem Cell, 2019, 24, 199-200.	11.1	1
13	Neuronal lysosomes. Neuroscience Letters, 2019, 697, 1-9.	2.1	65
14	Pleiotropic requirements for human TDP-43 in the regulation of cell and organelle homeostasis. Life Science Alliance, 2019, 2, e201900358.	2.8	34
15	Murine knockin model for progranulin-deficient frontotemporal dementia with nonsense-mediated mRNA decay. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2849-E2858.	7.1	47
16	Axonal transport and maturation of lysosomes. Current Opinion in Neurobiology, 2018, 51, 45-51.	4.2	96
17	Organelles in metabolism and stress responses. Molecular Biology of the Cell, 2018, 29, 691-691.	2.1	3
18	The complex relationship between <scp>TFEB</scp> transcription factor phosphorylation and subcellular localization. EMBO Journal, 2018, 37, .	7.8	332

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19	GATOR1-dependent recruitment of FLCNâ€“FNIP to lysosomes coordinates Rag GTPase heterodimer nucleotide status in response to amino acids. Journal of Cell Biology, 2018, 217, 2765-2776.	5.2	54
20	WDR41 supports lysosomal response to changes in amino acid availability. Molecular Biology of the Cell, 2018, 29, 2213-2227.	2.1	31
21	A Novel Murine Knockâ€in Model for Progranulinâ€deficient Frontotemporal Dementia with Nonsenseâ€mediated mRNA Decay. FASEB Journal, 2018, 32, 807.8.	0.5	0
22	Identification of apilimod as a first-in-class PIKfyve kinase inhibitor for treatment of B-cell non-Hodgkin lymphoma. Blood, 2017, 129, 1768-1778.	1.4	143
23	C9orf72: At the intersection of lysosome cell biology and neurodegenerative disease. Traffic, 2017, 18, 267-276.	2.7	54
24	B-cell non-Hodgkin lymphoma: Selective vulnerability to PIKFYVE inhibition. Autophagy, 2017, 13, 1082-1083.	9.1	15
25	Impaired JIP3-dependent axonal lysosome transport promotes amyloid plaque pathology. Journal of Cell Biology, 2017, 216, 3291-3305.	5.2	107
26	A lentiviral system for efficient knockdown of proteins in neuronal cultures. MNI Open Research, 2017, 1, 2.	1.0	13
27	Phagocytosis Enhances Lysosomal and Bactericidal Properties by Activating the Transcription Factor TFEB. Current Biology, 2016, 26, 1955-1964.	3.9	97
28	C9orf72 binds SMCR8, localizes to lysosomes, and regulates mTORC1 signaling. Molecular Biology of the Cell, 2016, 27, 3040-3051.	2.1	154
29	Prosaposin is a regulator of progranulin levels and oligomerization. Nature Communications, 2016, 7, 11992.	12.8	68
30	Lysosomes relax in the cellular suburbs. Journal of Cell Biology, 2016, 212, 617-619.	5.2	21
31	Beyond indigestion: emerging roles for lysosome-based signaling in human disease. Current Opinion in Cell Biology, 2015, 35, 59-68.	5.4	59
32	Massive accumulation of luminal protease-deficient axonal lysosomes at Alzheimerâ€™s disease amyloid plaques. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3699-708.	7.1	313
33	Dynamin 2-dependent endocytosis sustains T-cell receptor signaling and drives metabolic reprogramming in T lymphocytes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4423-4428.	7.1	46
34	Membrane traffic en route to cancer. Science, 2015, 350, 162-163.	12.6	1
35	Dynamin 2 regulates biphasic insulin secretion and plasma glucose homeostasis. Journal of Clinical Investigation, 2015, 125, 4026-4041.	8.2	36
36	Dynamin 2â€“dependent endocytosis is required for sustained S1PR1 signaling. Journal of Experimental Medicine, 2014, 211, 685-700.	8.5	40

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37	Dynamin and endocytosis are required for the fusion of osteoclasts and myoblasts. Journal of Cell Biology, 2014, 207, 73-89.	5.2	75
38	Dynamin 2 regulation of integrin endocytosis, but not VEGF signaling, is crucial for developmental angiogenesis. Development (Cambridge), 2014, 141, 1465-1472.	2.5	36
39	A dynamin 1-, dynamin 3- and clathrin-independent pathway of synaptic vesicle recycling mediated by bulk endocytosis. ELife, 2014, 3, e01621.	6.0	93
40	Dynamin triple knockout cells reveal off target effects of commonly used dynamin inhibitors. Journal of Cell Science, 2013, 126, 5305-12.	2.0	196
41	Recruitment of folliculin to lysosomes supports the amino acidâ€“dependent activation of Rag GTPases. Journal of Cell Biology, 2013, 202, 1107-1122.	5.2	286
42	Essential Function of Dynamin in the Invasive Properties and Actin Architecture of v-Src Induced Podosomes/Invadosomes. PLoS ONE, 2013, 8, e77956.	2.5	24
43	Dynamin phosphorylation controls optimization of endocytosis for brief action potential bursts. ELife, 2013, 2, e00845.	6.0	60
44	Reduced release probability prevents vesicle depletion and transmission failure at dynamin mutant synapses. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E515-23.	7.1	40
45	Suppression of EGFR endocytosis by dynamin depletion reveals that EGFR signaling occurs primarily at the plasma membrane. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4419-4424.	7.1	140
46	Role of dynamin, synaptojanin, and endophilin in podocyte foot processes. Journal of Clinical Investigation, 2012, 122, 4401-4411.	8.2	137
47	Dynamin, a membrane-remodelling GTPase. Nature Reviews Molecular Cell Biology, 2012, 13, 75-88.	37.0	807
48	Nonoisotopic Assay for the Presynaptic Choline Transporter Reveals Capacity for Allosteric Modulation of Choline Uptake. ACS Chemical Neuroscience, 2012, 3, 767-781.	3.5	19
49	The Transcription Factor TFEB Links mTORC1 Signaling to Transcriptional Control of Lysosome Homeostasis. Science Signaling, 2012, 5, ra42.	3.6	1,017
50	Overlapping Role of Dynamin Isoforms in Synaptic Vesicle Endocytosis. Neuron, 2011, 70, 1100-1114.	8.1	190
51	Recruitment of Endophilin to Clathrin-Coated Pit Necks Is Required for Efficient Vesicle Uncoating after Fission. Neuron, 2011, 72, 587-601.	8.1	294
52	Constitutive activated Cdc42-associated kinase (Ack) phosphorylation at arrested endocytic clathrin-coated pits of cells that lack dynamin. Molecular Biology of the Cell, 2011, 22, 493-502.	2.1	37
53	Differential curvature sensing and generating activities of dynamin isoforms provide opportunities for tissue-specific regulation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E234-42.	7.1	87
54	Coordinated Actions of Actin and BAR Proteins Upstream of Dynamin at Endocytic Clathrin-Coated Pits. Developmental Cell, 2009, 17, 811-822.	7.0	373

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55	Selective saturation of slow endocytosis at a giant glutamatergic central synapse lacking dynamin 1. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17555-17560.	7.1	54
56	Cell- and stimulus-dependent heterogeneity of synaptic vesicle endocytic recycling mechanisms revealed by studies of dynamin 1-null neurons. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2175-2180.	7.1	141
57	A Selective Activity-Dependent Requirement for Dynamin 1 in Synaptic Vesicle Endocytosis. Science, 2007, 316, 570-574.	12.6	454
58	Lethal impairment of cholinergic neurotransmission in hemicholinium-3-sensitive choline transporter knockout mice. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8762-8767.	7.1	163
59	Regulation of Choline Transporter Surface Expression and Phosphorylation by Protein Kinase C and Protein Phosphatase 1/2A. Journal of Pharmacology and Experimental Therapeutics, 2004, 310, 536-545.	2.5	56
60	Localization of cholinergic innervation in guinea pig heart by immunohistochemistry for high-affinity choline transporters. Cardiovascular Research, 2004, 62, 112-121.	3.8	96
61	The Choline Transporter Resurfaces: New Roles for Synaptic Vesicles?. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2004, 4, 22-37.	3.4	130
62	Distribution of high affinity choline transporter immunoreactivity in the primate central nervous system. Journal of Comparative Neurology, 2003, 463, 341-357.	1.6	67
63	Altered Striatal Function and Muscarinic Cholinergic Receptors in Acetylcholinesterase Knockout Mice. Molecular Pharmacology, 2003, 64, 1309-1316.	2.3	60
64	Vesicular Localization and Activity-Dependent Trafficking of Presynaptic Choline Transporters. Journal of Neuroscience, 2003, 23, 9697-9709.	3.6	202
65	Molecular Cloning of a Human, Hemicholinium-3-Sensitive Choline Transporter. Biochemical and Biophysical Research Communications, 2000, 276, 862-867.	2.1	172
66	NS-398 Upregulates Constitutive Cyclooxygenase-2 Expression in the M-1 Cortical Collecting Duct Cell Line. Journal of the American Society of Nephrology: JASN, 1999, 10, 2261-2271.	6.1	62