

Shawn M Ferguson

List of Publications by Year in descending order

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66
papers

7,710
citations

87888

38
h-index

106344

65
g-index

87
all docs

87
docs citations

87
times ranked

12286
citing authors

#	ARTICLE	IF	CITATIONS
1	The Transcription Factor TFEB Links mTORC1 Signaling to Transcriptional Control of Lysosome Homeostasis. <i>Science Signaling</i> , 2012, 5, ra42.	3.6	1,017
2	Dynamin, a membrane-remodelling GTPase. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 75-88.	37.0	807
3	A Selective Activity-Dependent Requirement for Dynamin 1 in Synaptic Vesicle Endocytosis. <i>Science</i> , 2007, 316, 570-574.	12.6	454
4	Coordinated Actions of Actin and BAR Proteins Upstream of Dynamin at Endocytic Clathrin-Coated Pits. <i>Developmental Cell</i> , 2009, 17, 811-822.	7.0	373
5	The complex relationship between TFEB transcription factor phosphorylation and subcellular localization. <i>EMBO Journal</i> , 2018, 37, .	7.8	332
6	Massive accumulation of luminal protease-deficient axonal lysosomes at Alzheimer's disease amyloid plaques. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3699-708.	7.1	313
7	Recruitment of Endophilin to Clathrin-Coated Pit Necks Is Required for Efficient Vesicle Uncoating after Fission. <i>Neuron</i> , 2011, 72, 587-601.	8.1	294
8	Recruitment of folliculin to lysosomes supports the amino acid-dependent activation of Rag GTPases. <i>Journal of Cell Biology</i> , 2013, 202, 1107-1122.	5.2	286
9	Vesicular Localization and Activity-Dependent Trafficking of Presynaptic Choline Transporters. <i>Journal of Neuroscience</i> , 2003, 23, 9697-9709.	3.6	202
10	Dynamin triple knockout cells reveal off target effects of commonly used dynamin inhibitors. <i>Journal of Cell Science</i> , 2013, 126, 5305-12.	2.0	196
11	Overlapping Role of Dynamin Isoforms in Synaptic Vesicle Endocytosis. <i>Neuron</i> , 2011, 70, 1100-1114.	8.1	190
12	Molecular Cloning of a Human, Hemicholinium-3-Sensitive Choline Transporter. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 862-867.	2.1	172
13	Lethal impairment of cholinergic neurotransmission in hemicholinium-3-sensitive choline transporter knockout mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 8762-8767.	7.1	163
14	C9orf72 binds SMCR8, localizes to lysosomes, and regulates mTORC1 signaling. <i>Molecular Biology of the Cell</i> , 2016, 27, 3040-3051.	2.1	154
15	Identification of apilimod as a first-in-class PIKfyve kinase inhibitor for treatment of B-cell non-Hodgkin lymphoma. <i>Blood</i> , 2017, 129, 1768-1778.	1.4	143
16	Cell- and stimulus-dependent heterogeneity of synaptic vesicle endocytic recycling mechanisms revealed by studies of dynamin 1-null neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2175-2180.	7.1	141
17	Suppression of EGFR endocytosis by dynamin depletion reveals that EGFR signaling occurs primarily at the plasma membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4419-4424.	7.1	140
18	Role of dynamin, synaptojanin, and endophilin in podocyte foot processes. <i>Journal of Clinical Investigation</i> , 2012, 122, 4401-4411.	8.2	137

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19	The Choline Transporter Resurfaces: New Roles for Synaptic Vesicles?. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2004, 4, 22-37.	3.4	130
20	Impaired JIP3-dependent axonal lysosome transport promotes amyloid plaque pathology. <i>Journal of Cell Biology</i> , 2017, 216, 3291-3305.	5.2	107
21	Phagocytosis Enhances Lysosomal and Bactericidal Properties by Activating the Transcription Factor TFEB. <i>Current Biology</i> , 2016, 26, 1955-1964.	3.9	97
22	Localization of cholinergic innervation in guinea pig heart by immunohistochemistry for high-affinity choline transporters. <i>Cardiovascular Research</i> , 2004, 62, 112-121.	3.8	96
23	Axonal transport and maturation of lysosomes. <i>Current Opinion in Neurobiology</i> , 2018, 51, 45-51.	4.2	96
24	A dynamin 1-, dynamin 3- and clathrin-independent pathway of synaptic vesicle recycling mediated by bulk endocytosis. <i>ELife</i> , 2014, 3, e01621.	6.0	93
25	Differential curvature sensing and generating activities of dynamin isoforms provide opportunities for tissue-specific regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E234-42.	7.1	87
26	Dynamin and endocytosis are required for the fusion of osteoclasts and myoblasts. <i>Journal of Cell Biology</i> , 2014, 207, 73-89.	5.2	75
27	Prosaposin is a regulator of progranulin levels and oligomerization. <i>Nature Communications</i> , 2016, 7, 11992.	12.8	68
28	Distribution of high affinity choline transporter immunoreactivity in the primate central nervous system. <i>Journal of Comparative Neurology</i> , 2003, 463, 341-357.	1.6	67
29	Neuronal lysosomes. <i>Neuroscience Letters</i> , 2019, 697, 1-9.	2.1	65
30	NS-398 Upregulates Constitutive Cyclooxygenase-2 Expression in the M-1 Cortical Collecting Duct Cell Line. <i>Journal of the American Society of Nephrology: JASN</i> , 1999, 10, 2261-2271.	6.1	62
31	Altered Striatal Function and Muscarinic Cholinergic Receptors in Acetylcholinesterase Knockout Mice. <i>Molecular Pharmacology</i> , 2003, 64, 1309-1316.	2.3	60
32	Dynamin phosphorylation controls optimization of endocytosis for brief action potential bursts. <i>ELife</i> , 2013, 2, e00845.	6.0	60
33	Beyond indigestion: emerging roles for lysosome-based signaling in human disease. <i>Current Opinion in Cell Biology</i> , 2015, 35, 59-68.	5.4	59
34	Regulation of Choline Transporter Surface Expression and Phosphorylation by Protein Kinase C and Protein Phosphatase 1/2A. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 310, 536-545.	2.5	56
35	Selective saturation of slow endocytosis at a giant glutamatergic central synapse lacking dynamin 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17555-17560.	7.1	54
36	C9orf72: At the intersection of lysosome cell biology and neurodegenerative disease. <i>Traffic</i> , 2017, 18, 267-276.	2.7	54

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37	GATOR1-dependent recruitment of FLCN/FNIP to lysosomes coordinates Rag GTPase heterodimer nucleotide status in response to amino acids. <i>Journal of Cell Biology</i> , 2018, 217, 2765-2776.	5.2	54
38	TSC2 regulates lysosome biogenesis via a non-canonical RAGC and TFEB-dependent mechanism. <i>Nature Communications</i> , 2021, 12, 4245.	12.8	52
39	Murine knockin model for progranulin-deficient frontotemporal dementia with nonsense-mediated mRNA decay. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2849-E2858.	7.1	47
40	Dynamin 2-dependent endocytosis sustains T-cell receptor signaling and drives metabolic reprogramming in T lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4423-4428.	7.1	46
41	PQLC2 recruits the C9orf72 complex to lysosomes in response to cationic amino acid starvation. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	42
42	Reduced release probability prevents vesicle depletion and transmission failure at dynamin mutant synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E515-23.	7.1	40
43	Dynamin 2-dependent endocytosis is required for sustained S1PR1 signaling. <i>Journal of Experimental Medicine</i> , 2014, 211, 685-700.	8.5	40
44	Constitutive activated Cdc42-associated kinase (Ack) phosphorylation at arrested endocytic clathrin-coated pits of cells that lack dynamin. <i>Molecular Biology of the Cell</i> , 2011, 22, 493-502.	2.1	37
45	Dynamin 2 regulation of integrin endocytosis, but not VEGF signaling, is crucial for developmental angiogenesis. <i>Development (Cambridge)</i> , 2014, 141, 1465-1472.	2.5	36
46	Dynamin 2 regulates biphasic insulin secretion and plasma glucose homeostasis. <i>Journal of Clinical Investigation</i> , 2015, 125, 4026-4041.	8.2	36
47	Weak membrane interactions allow Rheb to activate mTORC1 signaling without major lysosome enrichment. <i>Molecular Biology of the Cell</i> , 2019, 30, 2750-2760.	2.1	34
48	Pleiotropic requirements for human TDP-43 in the regulation of cell and organelle homeostasis. <i>Life Science Alliance</i> , 2019, 2, e201900358.	2.8	34
49	ER-lysosome lipid transfer protein VPS13C/PARK23 prevents aberrant mtDNA-dependent STING signaling. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	34
50	Overlapping roles of JIP3 and JIP4 in promoting axonal transport of lysosomes in human iPSC-derived neurons. <i>Molecular Biology of the Cell</i> , 2021, 32, 1094-1103.	2.1	33
51	WDR41 supports lysosomal response to changes in amino acid availability. <i>Molecular Biology of the Cell</i> , 2018, 29, 2213-2227.	2.1	31
52	PLD3 is a neuronal lysosomal phospholipase D associated with β 2-amyloid plaques and cognitive function in Alzheimer's disease. <i>PLoS Genetics</i> , 2021, 17, e1009406.	3.5	26
53	Essential Function of Dynamin in the Invasive Properties and Actin Architecture of v-Src Induced Podosomes/Invadosomes. <i>PLoS ONE</i> , 2013, 8, e77956.	2.5	24
54	Lysosomes relax in the cellular suburbs. <i>Journal of Cell Biology</i> , 2016, 212, 617-619.	5.2	21

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55	Recessive Mutations in AP1B1 Cause Ichthyosis, Deafness, and Photophobia. <i>American Journal of Human Genetics</i> , 2019, 105, 1023-1029.	6.2	21
56	Nonisotopic Assay for the Presynaptic Choline Transporter Reveals Capacity for Allosteric Modulation of Choline Uptake. <i>ACS Chemical Neuroscience</i> , 2012, 3, 767-781.	3.5	19
57	Coordination of Rheb lysosomal membrane interactions with mTORC1 activation. <i>F1000Research</i> , 2020, 9, 450.	1.6	19
58	B-cell non-Hodgkin lymphoma: Selective vulnerability to PIKFYVE inhibition. <i>Autophagy</i> , 2017, 13, 1082-1083.	9.1	15
59	Receptor-like role for PQLC2 amino acid transporter in the lysosomal sensing of cationic amino acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	14
60	A lentiviral system for efficient knockdown of proteins in neuronal cultures. <i>MNI Open Research</i> , 2017, 1, 2.	1.0	13
61	Efficient progranulin exit from the ER requires its interaction with prosaposin, a Surf4 cargo. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	12
62	JIP3 links lysosome transport to regulation of multiple components of the axonal cytoskeleton. <i>Communications Biology</i> , 2022, 5, 5.	4.4	10
63	Organelles in metabolism and stress responses. <i>Molecular Biology of the Cell</i> , 2018, 29, 691-691.	2.1	3
64	Membrane traffic en route to cancer. <i>Science</i> , 2015, 350, 162-163.	12.6	1
65	Lysosomes Dare Cells to be Different(iated). <i>Cell Stem Cell</i> , 2019, 24, 199-200.	11.1	1
66	A Novel Murine Knockâ€in Model for Progranulinâ€deficient Frontotemporal Dementia with Nonsenseâ€mediated mRNA Decay. <i>FASEB Journal</i> , 2018, 32, 807.8.	0.5	0