

Marco Sardiello

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

13,495
citations

159585

30
h-index

243625

44
g-index

45
all docs

45
docs citations

45
times ranked

23446
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	TFEB Links Autophagy to Lysosomal Biogenesis. <i>Science</i> , 2011, 332, 1429-1433.	12.6	2,513
3	A Gene Network Regulating Lysosomal Biogenesis and Function. <i>Science</i> , 2009, 325, 473-477.	12.6	1,958
4	Characterization of the CLEAR network reveals an integrated control of cellular clearance pathways. <i>Human Molecular Genetics</i> , 2011, 20, 3852-3866.	2.9	759
5	Transcriptional Activation of Lysosomal Exocytosis Promotes Cellular Clearance. <i>Developmental Cell</i> , 2011, 21, 421-430.	7.0	594
6	mTORC1-independent TFEB activation via Akt inhibition promotes cellular clearance in neurodegenerative storage diseases. <i>Nature Communications</i> , 2017, 8, 14338.	12.8	318
7	Selective clearance of aberrant tau proteins and rescue of neurotoxicity by transcription factor EB. <i>EMBO Molecular Medicine</i> , 2014, 6, 1142-1160.	6.9	297
8	TFEB enhances astroglial uptake of extracellular tau species and reduces tau spreading. <i>Journal of Experimental Medicine</i> , 2018, 215, 2355-2377.	8.5	173
9	MicroRNA target prediction by expression analysis of host genes. <i>Genome Research</i> , 2009, 19, 481-490.	5.5	168
10	Identification of microRNA-regulated gene networks by expression analysis of target genes. <i>Genome Research</i> , 2012, 22, 1163-1172.	5.5	165
11	Src-dependent impairment of autophagy by oxidative stress in a mouse model of Duchenne muscular dystrophy. <i>Nature Communications</i> , 2014, 5, 4425.	12.8	150
12	CLUH regulates mitochondrial biogenesis by binding mRNAs of nuclear-encoded mitochondrial proteins. <i>Journal of Cell Biology</i> , 2014, 207, 213-223.	5.2	111
13	TFEB regulates lysosomal proteostasis. <i>Human Molecular Genetics</i> , 2013, 22, 1994-2009.	2.9	110
14	Moyamoya disease susceptibility gene RNF213 links inflammatory and angiogenic signals in endothelial cells. <i>Scientific Reports</i> , 2015, 5, 13191.	3.3	105
15	Transcription factor EB: from master coordinator of lysosomal pathways to candidate therapeutic target in degenerative storage diseases. <i>Annals of the New York Academy of Sciences</i> , 2016, 1371, 3-14.	3.8	105
16	Lysosome biogenesis in health and disease. <i>Journal of Neurochemistry</i> , 2019, 148, 573-589.	3.9	97
17	2-Hydroxypropyl- β -cyclodextrin Promotes Transcription Factor EB-mediated Activation of Autophagy. <i>Journal of Biological Chemistry</i> , 2014, 289, 10211-10222.	3.4	92
18	<i>Drosophila</i> Mitf regulates the V-ATPase and the lysosomal-autophagic pathway. <i>Autophagy</i> , 2016, 12, 484-498.	9.1	87

#	ARTICLE	IF	CITATIONS
19	A Voltage-Gated Calcium Channel Regulates Lysosomal Fusion with Endosomes and Autophagosomes and Is Required for Neuronal Homeostasis. <i>PLoS Biology</i> , 2015, 13, e1002103.	5.6	85
20	Trehalose reduces retinal degeneration, neuroinflammation and storage burden caused by a lysosomal hydrolase deficiency. <i>Autophagy</i> , 2018, 14, 1419-1434.	9.1	84
21	CLN8 is an endoplasmic reticulum cargo receptor that regulates lysosome biogenesis. <i>Nature Cell Biology</i> , 2018, 20, 1370-1377.	10.3	80
22	Lysosomal enhancement: A CLEAR answer to cellular degradative needs. <i>Cell Cycle</i> , 2009, 8, 4021-4022.	2.6	71
23	De Novo Missense Variants in TRAF7 Cause Developmental Delay, Congenital Anomalies, and Dysmorphic Features. <i>American Journal of Human Genetics</i> , 2018, 103, 154-162.	6.2	56
24	HOCTAR database: A unique resource for microRNA target prediction. <i>Gene</i> , 2011, 480, 51-58.	2.2	54
25	MitoDrome: a database of <i>Drosophila melanogaster</i> nuclear genes encoding proteins targeted to the mitochondrion. <i>Nucleic Acids Research</i> , 2003, 31, 322-324.	14.5	49
26	VAMP associated proteins are required for autophagic and lysosomal degradation by promoting a PtdIns4P-mediated endosomal pathway. <i>Autophagy</i> , 2019, 15, 1214-1233.	9.1	45
27	NADPH oxidase promotes Parkinsonian phenotypes by impairing autophagic flux in an mTORC1-independent fashion in a cellular model of Parkinson's disease. <i>Scientific Reports</i> , 2016, 6, 22866.	3.3	42
28	AKT modulates the autophagy-lysosome pathway via TFEB. <i>Cell Cycle</i> , 2017, 16, 1237-1238.	2.6	38
29	Energy biogenesis: one key for coordinating two genomes. <i>Trends in Genetics</i> , 2005, 21, 12-16.	6.7	37
30	Lysosomes and Brain Health. <i>Annual Review of Neuroscience</i> , 2018, 41, 255-276.	10.7	37
31	A CLN6-CLN8 complex recruits lysosomal enzymes at the ER for Golgi transfer. <i>Journal of Clinical Investigation</i> , 2020, 130, 4118-4132.	8.2	36
32	Aminode: Identification of Evolutionary Constraints in the Human Proteome. <i>Scientific Reports</i> , 2018, 8, 1357.	3.3	35
33	Peroxisomal biogenesis is genetically and biochemically linked to carbohydrate metabolism in <i>Drosophila</i> and mouse. <i>PLoS Genetics</i> , 2017, 13, e1006825.	3.5	31
34	Physical and functional characterization of the genetic locus of IBtk, an inhibitor of Bruton's tyrosine kinase: evidence for three protein isoforms of IBtk. <i>Nucleic Acids Research</i> , 2008, 36, 4402-4416.	14.5	28
35	Src regulates amino acid-mediated mTORC1 activation by disrupting GATOR1-Rag GTPase interaction. <i>Nature Communications</i> , 2018, 9, 4351.	12.8	28
36	Rotenone induces neurotoxicity through Rac1-dependent activation of NADPH oxidase in SH-SY5Y cells. <i>FEBS Letters</i> , 2014, 588, 472-481.	2.8	27

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37	Diminished mTORC1-Dependent JNK Activation Underlies the Neurodevelopmental Defects Associated with Lysosomal Dysfunction. <i>Cell Reports</i> , 2015, 12, 2009-2020.	6.4	25
38	Tagging genes with cassette-exchange sites. <i>Nucleic Acids Research</i> , 2005, 33, e44-e44.	14.5	18
39	Electrophysiological and Histological Characterization of Rod-Cone Retinal Degeneration and Microglia Activation in a Mouse Model of Mucopolysaccharidosis Type IIIb. <i>Scientific Reports</i> , 2015, 5, 17143.	3.3	16
40	Abnormal glycogen storage in tuberous sclerosis complex caused by impairment of mTORC1-dependent and -independent signaling pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2977-2986.	7.1	16
41	Inhibition of ERK1/2 Restores GSK3 β Activity and Protein Synthesis Levels in a Model of Tuberous Sclerosis. <i>Scientific Reports</i> , 2017, 7, 4174.	3.3	14
42	A Rapid and Sensitive Method for Measuring N-Acetylglucosaminidase Activity in Cultured Cells. <i>PLoS ONE</i> , 2013, 8, e68060.	2.5	14
43	A comparative study of the porin genes encoding VDAC, a voltage-dependent anion channel protein, in <i>Anopheles gambiae</i> and <i>Drosophila melanogaster</i> . <i>Gene</i> , 2003, 317, 111-115.	2.2	13
44	A novel view of the transcriptome revealed from gene trapping in mouse embryonic stem cells. <i>Genome Research</i> , 2007, 17, 1051-1060.	5.5	13