

Diego L Medina

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5911612/publications.pdf>

Version: 2024-02-01

69
papers

18,157
citations

109321

35
h-index

91884

69
g-index

77
all docs

77
docs citations

77
times ranked

26275
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	A lysosome-to-nucleus signalling mechanism senses and regulates the lysosome via mTOR and TFEB. <i>EMBO Journal</i> , 2012, 31, 1095-1108.	7.8	1,507
5	Signals from the lysosome: a control centre for cellular clearance and energy metabolism. <i>Nature Reviews Molecular Cell Biology</i> , 2013, 14, 283-296.	37.0	1,317
6	Lysosomal calcium signalling regulates autophagy through calcineurin and TFEB. <i>Nature Cell Biology</i> , 2015, 17, 288-299.	10.3	1,006
7	Transcriptional Activation of Lysosomal Exocytosis Promotes Cellular Clearance. <i>Developmental Cell</i> , 2011, 21, 421-430.	7.0	594
8	A block of autophagy in lysosomal storage disorders. <i>Human Molecular Genetics</i> , 2008, 17, 119-129.	2.9	456
9	Mechanism of TrkB-Mediated Hippocampal Long-Term Potentiation. <i>Neuron</i> , 2002, 36, 121-137.	8.1	434
10	Defective CFTR induces aggresome formation and lung inflammation in cystic fibrosis through ROS-mediated autophagy inhibition. <i>Nature Cell Biology</i> , 2010, 12, 863-875.	10.3	420
11	mTOR-dependent phosphorylation controls TFEB nuclear export. <i>Nature Communications</i> , 2018, 9, 3312.	12.8	271
12	Lysosomal fusion and SNARE function are impaired by cholesterol accumulation in lysosomal storage disorders. <i>EMBO Journal</i> , 2010, 29, 3607-3620.	7.8	192
13	FGF signalling regulates bone growth through autophagy. <i>Nature</i> , 2015, 528, 272-275.	27.8	170
14	A novel curcumin analog binds to and activates TFEB in vitro and in vivo independent of MTOR inhibition. <i>Autophagy</i> , 2016, 12, 1372-1389.	9.1	141
15	Autophagosome-lysosome fusion triggers a lysosomal response mediated by TLR9 and controlled by OCRL. <i>Nature Cell Biology</i> , 2016, 18, 839-850.	10.3	140
16	Brain Disorders Due to Lysosomal Dysfunction. <i>Annual Review of Neuroscience</i> , 2016, 39, 277-295.	10.7	129
17	Clinical challenges and future therapeutic approaches for neuronal ceroid lipofuscinosis. <i>Lancet Neurology</i> , The, 2019, 18, 107-116.	10.2	128
18	The rapidly evolving view of lysosomal storage diseases. <i>EMBO Molecular Medicine</i> , 2021, 13, e12836.	6.9	118

#	ARTICLE	IF	CITATIONS
19	The Phytoestrogen Genistein Modulates Lysosomal Metabolism and Transcription Factor EB (TFEB) Activation. <i>Journal of Biological Chemistry</i> , 2014, 289, 17054-17069.	3.4	115
20	TRPML1: The Ca(2+)retaker of the lysosome. <i>Cell Calcium</i> , 2018, 69, 112-121.	2.4	105
21	TrkB regulates neocortex formation through the Shc/PLC β -mediated control of neuronal migration. <i>EMBO Journal</i> , 2004, 23, 3803-3814.	7.8	100
22	TRPML1 links lysosomal calcium to autophagosome biogenesis through the activation of the CaMKK β /VPS34 pathway. <i>Nature Communications</i> , 2019, 10, 5630.	12.8	96
23	TFEB-driven endocytosis coordinates MTORC1 signaling and autophagy. <i>Autophagy</i> , 2019, 15, 151-164.	9.1	95
24	Thyrotropin-dependent proliferation of in vitro rat thyroid cell systems. <i>European Journal of Endocrinology</i> , 2000, 143, 161-178.	3.7	91
25	Lysosomal calcium regulates autophagy. <i>Autophagy</i> , 2015, 11, 970-971.	9.1	88
26	Activation of the transcription factor EB rescues lysosomal abnormalities in cystinotic kidney cells. <i>Kidney International</i> , 2016, 89, 862-873.	5.2	85
27	TFEB and the CLEAR network. <i>Methods in Cell Biology</i> , 2015, 126, 45-62.	1.1	80
28	Cystic fibrosis: A disorder with defective autophagy. <i>Autophagy</i> , 2011, 7, 104-106.	9.1	75
29	The activity of Sac1 across ER-TGN contact sites requires the four-phosphate-adaptor-protein-1. <i>Journal of Cell Biology</i> , 2019, 218, 783-797.	5.2	75
30	Selective agonist of TRPML2 reveals direct role in chemokine release from innate immune cells. <i>ELife</i> , 2018, 7, .	6.0	71
31	gene2drug: a computational tool for pathway-based rational drug repositioning. <i>Bioinformatics</i> , 2018, 34, 1498-1505.	4.1	62
32	Regional- and Age-Dependent Reduction in trkB Receptor Expression in the Hippocampus Is Associated with Altered Spine Morphologies. <i>Biological Psychiatry</i> , 2006, 59, 793-800.	1.3	57
33	Somatostatin Is Expressed in FRTL-5 Thyroid Cells and Prevents Thyrotropin-Mediated Down-Regulation of the Cyclin-Dependent Kinase Inhibitor p27kip1. <i>Endocrinology</i> , 1999, 140, 87-95.	2.8	46
34	Somatostatin Interferes with Thyrotropin-induced G1-S Transition Mediated by cAMP-dependent Protein Kinase and Phosphatidylinositol 3-Kinase. <i>Journal of Biological Chemistry</i> , 2000, 275, 15549-15556.	3.4	43
35	High-content drug screening for rare diseases. <i>Journal of Inherited Metabolic Disease</i> , 2017, 40, 601-607.	3.6	38
36	TFEB-mediated increase in peripheral lysosomes regulates store-operated calcium entry. <i>Scientific Reports</i> , 2017, 7, 40797.	3.3	37

#	ARTICLE	IF	CITATIONS
37	Current methods to analyze lysosome morphology, positioning, motility and function. <i>Traffic</i> , 2022, 23, 238-269.	2.7	37
38	High-Throughput Functional Analysis Distinguishes Pathogenic, Nonpathogenic, and Compensatory Transcriptional Changes in Neurodegeneration. <i>Cell Systems</i> , 2018, 7, 28-40.e4.	6.2	32
39	SBDS-Deficient Cells Have an Altered Homeostatic Equilibrium due to Translational Inefficiency Which Explains their Reduced Fitness and Provides a Logical Framework for Intervention. <i>PLoS Genetics</i> , 2017, 13, e1006552.	3.5	31
40	c-Abl Inhibition Activates TFEB and Promotes Cellular Clearance in a Lysosomal Disorder. <i>IScience</i> , 2020, 23, 101691.	4.1	30
41	Light-responsive microRNA miR-211 targets Ezrin to modulate lysosomal biogenesis and retinal cell clearance. <i>EMBO Journal</i> , 2020, 39, e102468.	7.8	30
42	Repurposing of tamoxifen ameliorates CLN3 and CLN7 disease phenotype. <i>EMBO Molecular Medicine</i> , 2021, 13, e13742.	6.9	28
43	Lysosomal calcium and autophagy. <i>International Review of Cell and Molecular Biology</i> , 2021, 362, 141-170.	3.2	26
44	Synthetic Lethality Screening Identifies FDA-Approved Drugs that Overcome ATP7B-Mediated Tolerance of Tumor Cells to Cisplatin. <i>Cancers</i> , 2020, 12, 608.	3.7	25
45	Role of Insulin and Serum on Thyrotropin Regulation of Thyroid Transcription Factor-1 and Pax-8 Genes Expression in FRTL-5 Thyroid Cells. <i>Thyroid</i> , 2000, 10, 295-303.	4.5	24
46	NF- κ B Activity Initiates Human ESC-Derived Neural Progenitor Cell Differentiation by Inducing a Metabolic Maturation Program. <i>Stem Cell Reports</i> , 2018, 10, 1766-1781.	4.8	23
47	Fingolimod phosphate inhibits astrocyte inflammatory activity in mucopolipidosis IV. <i>Human Molecular Genetics</i> , 2018, 27, 2725-2738.	2.9	22
48	Lysosomotropic Drugs: Pharmacological Tools to Study Lysosomal Function. <i>Current Drug Metabolism</i> , 2018, 18, 1147-1158.	1.2	21
49	TFEB Modulates p21/WAF1/CIP1 during the DNA Damage Response. <i>Cells</i> , 2020, 9, 1186.	4.1	19
50	The MDM2 Oncoprotein Promotes Apoptosis in p53-Deficient Human Medullary Thyroid Carcinoma Cells1. <i>Endocrinology</i> , 2000, 141, 420-429.	2.8	16
51	Comparing structural and transcriptional drug networks reveals signatures of drug activity and toxicity in transcriptional responses. <i>Npj Systems Biology and Applications</i> , 2017, 3, 23.	3.0	15
52	Somatostatin Is Expressed in FRTL-5 Thyroid Cells and Prevents Thyrotropin-Mediated Down-Regulation of the Cyclin-Dependent Kinase Inhibitor p27kip1. <i>Endocrinology</i> , 1999, 140, 87-95.	2.8	15
53	TRPML1-/TFEB-Dependent Regulation of Lysosomal Exocytosis. <i>Methods in Molecular Biology</i> , 2019, 1925, 143-144.	0.9	14
54	Autophagy modulator scoring system: a user-friendly tool for quantitative analysis of methodological integrity of chemical autophagy modulator studies. <i>Autophagy</i> , 2020, 16, 195-202.	9.1	14

#	ARTICLE	IF	CITATIONS
55	Automatic identification of small molecules that promote cell conversion and reprogramming. <i>Stem Cell Reports</i> , 2021, 16, 1381-1390.	4.8	14
56	Aberrant upregulation of the glycolytic enzyme PFKFB3 in CLN7 neuronal ceroid lipofuscinosis. <i>Nature Communications</i> , 2022, 13, 536.	12.8	14
57	Correction of oxidative stress enhances enzyme replacement therapy in Pompe disease. <i>EMBO Molecular Medicine</i> , 2021, 13, e14434.	6.9	13
58	Methods to Monitor and Manipulate TFEB Activity During Autophagy. <i>Methods in Enzymology</i> , 2017, 588, 61-78.	1.0	11
59	High-Throughput Screening Identifies Kinase Inhibitors That Increase Dual Adeno-Associated Viral Vector Transduction In Vitro and in Mouse Retina. <i>Human Gene Therapy</i> , 2018, 29, 886-901.	2.7	11
60	Drug Repurposing in Rare Diseases: An Integrative Study of Drug Screening and Transcriptomic Analysis in Nephropathic Cystinosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12829.	4.1	11
61	Introduction of p53 induces cell-cycle arrest in p53-deficient human medullary-thyroid-carcinoma cells. <i>Cell</i> , 1997, 73, 449-455.		10
62	A reverse-engineering approach to dissect post-translational modulators of transcription factor activity from transcriptional data. <i>BMC Bioinformatics</i> , 2015, 16, 279.	2.6	7
63	RhoA Activation Promotes Transformation and Loss of Thyroid Cell Differentiation Interfering with Thyroid Transcription Factor-1 Activity. <i>Molecular Endocrinology</i> , 2002, 16, 33-44.	3.7	6
64	Pharmacological approaches to tackle NCLs. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165553.	3.8	6
65	The MDM2 Oncoprotein Promotes Apoptosis in p53-Deficient Human Medullary Thyroid Carcinoma Cells. <i>Endocrinology</i> , 2000, 141, 420-429.	2.8	6
66	Cellular and Gene Expression Response to the Combination of Genistein and Kaempferol in the Treatment of Mucopolysaccharidosis Type I. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1058.	4.1	5
67	RhoA Activation Promotes Transformation and Loss of Thyroid Cell Differentiation Interfering with Thyroid Transcription Factor-1 Activity. <i>Molecular Endocrinology</i> , 2002, 16, 33-44.	3.7	4
68	The Regulation of MiTF/TFE Transcription Factors Across Model Organisms: from Brain Physiology to Implication for Neurodegeneration. <i>Molecular Neurobiology</i> , 2022, 59, 5000-5023.	4.0	3
69	Ca ²⁺ -Dependent Regulation of TFEB and Lysosomal Function. <i>Methods in Molecular Biology</i> , 2019, 1925, 145-155.	0.9	2