Aurelio A Teleman

List of Publications by Year
in descending order

81 papers	7,497 citations	66343 42 h-index	58581 82 g-index
99 all docs	99 docs citations	99 times ranked	11368 citing authors

#	Article	IF	Citations
1	The activity of glyoxylase 1 is regulated by glucose-responsive phosphorylation on Tyr136. Molecular Metabolism, 2022, 55, 101406.	6.5	4
2	Parkinson's disease protein PARK7 prevents metabolite and protein damage caused by a glycolytic metabolite. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	29
3	Cyclin B/CDK1 and Cyclin A/CDK2 phosphorylate DENR to promote mitotic protein translation and faithful cell division. Nature Communications, 2022, 13, 668.	12.8	17
4	Deep Metabolic Profiling Assessment of Tissue Extraction Protocols for Three Model Organisms. Frontiers in Chemistry, 2022, 10, 869732.	3.6	6
5	G3BPs tether the TSC complex to lysosomes and suppress mTORC1 signaling. Cell, 2021, 184, 655-674.e27.	28.9	65
6	Stearic acid blunts growth-factor signaling via oleoylation of GNAI proteins. Nature Communications, 2021, 12, 4590.	12.8	18
7	Metabolic decisions in development and diseaseâ€"a Keystone Symposia report. Annals of the New York Academy of Sciences, 2021, 1506, 55-73.	3.8	6
8	Ecdysone regulates Drosophila wing disc size via a TORC1 dependent mechanism. Nature Communications, 2021, 12, 6684.	12.8	12
9	Phosphorylation of ribosomal protein S6 differentially affects mRNA translation based on ORF length. Nucleic Acids Research, 2021, 49, 13062-13074.	14.5	35
10	A novel regulator of ER Ca2+ drives Hippo-mediated tumorigenesis. Oncogene, 2020, 39, 1378-1387.	5.9	10
11	Metabolites Regulate Cell Signaling and Growth via Covalent Modification of Proteins. Developmental Cell, 2020, 54, 156-170.	7.0	77
12	Phosphorylation of T107 by CamKIIÎ´ Regulates the Detoxification Efficiency and Proteomic Integrity of Glyoxalase 1. Cell Reports, 2020, 32, 108160.	6.4	12
13	DENR promotes translation reinitiation via ribosome recycling to drive expression of oncogenes including ATF4. Nature Communications, 2020, 11, 4676.	12.8	58
14	Selective 40S Footprinting Reveals Cap-Tethered Ribosome Scanning in Human Cells. Molecular Cell, 2020, 79, 561-574.e5.	9.7	96
15	Fitness trade-offs incurred by ovary-to-gut steroid signalling in Drosophila. Nature, 2020, 584, 415-419.	27.8	83
16	Cdk4 and Cdk6 Couple the Cell-Cycle Machinery to Cell Growth via mTORC1. Cell Reports, 2020, 31, 107504.	6.4	96
17	Gene expression atlas of a developing tissue by single cell expression correlation analysis. Nature Methods, 2019, 16, 750-756.	19.0	58
18	Damage sensing by a Nox-Ask1-MKK3-p38 signaling pathway mediates regeneration in the adult Drosophila midgut. Nature Communications, 2019, 10, 4365.	12.8	49

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19	Drosophila ZDHHC8 palmitoylates scribble and Ras64B and controls growth and viability. PLoS ONE, 2019, 14, e0198149.	2.5	15
20	Crebl2 regulates cell metabolism in muscle and liver cells. Scientific Reports, 2019, 9, 19869.	3.3	10
21	Effects of the Reactive Metabolite Methylglyoxal on Cellular Signalling, Insulin Action and Metabolism â€“ What We Know in Mammals and What We Can Learn From Yeast. Experimental and Clinical Endocrinology and Diabetes, 2019, 127, 203-214.	1.2	8
22	Changes in global translation elongation or initiation rates shape the proteome via the Kozak sequence. Scientific Reports, 2018, 8, 4018.	3.3	34
23	Unbalanced lipolysis results in lipotoxicity and mitochondrial damage in peroxisome-deficient <i>Pex19</i> mutants. Molecular Biology of the Cell, 2018, 29, 396-407.	2.1	40
24	Elevated Levels of the Reactive Metabolite Methylglyoxal Recapitulate Progression of Type 2 Diabetes. Cell Metabolism, 2018, 27, 926-934.e8.	16.2	117
25	Flies Eat Their Veggies to Survive the Cold. Developmental Cell, 2018, 46, 671-672.	7.0	1
26	Translation acrobatics: how cancer cells exploit alternate modes of translational initiation. EMBO Reports, 2018, 19, .	4.5	73
27	DENRâ€“MCTS1 heterodimerization and tRNA recruitment are required for translation reinitiation. PLoS Biology, 2018, 16, e2005160.	5.6	33
28	Dietary stearic acid regulates mitochondria in vivo in humans. Nature Communications, 2018, 9, 3129.	12.8	80
29	Phenotypic characterization of SETD3 knockout Drosophila. PLoS ONE, 2018, 13, e0201609.	2.5	6
30	Dietary rescue of lipotoxicity-induced mitochondrial damage in Peroxin19 mutants. PLoS Biology, 2018, 16, e2004893.	5.6	20
31	SETD3 protein is the actin-specific histidine N-methyltransferase. ELife, 2018, 7, .	6.0	77
32	THADA Regulates the Organismal Balance between Energy Storage and Heat Production. Developmental Cell, 2017, 41, 72-81.e6.	7.0	51
33	Oxygenation and adenosine deaminase support growth and proliferation of <i>ex vivo</i> cultured <i>Drosophila</i> wing imaginal discs. Development (Cambridge), 2017, 144, 2529-2538.	2.5	14
34	Evidence Against a Role for the Parkinsonism-associated Protein DJ-1 in Methylglyoxal Detoxification. Journal of Biological Chemistry, 2017, 292, 685-690.	3.4	45
35	CycD/Cdk4 and Discontinuities in Dpp Signaling Activate TORC1 in the Drosophila Wing Disc. Developmental Cell, 2017, 42, 376-387.e5.	7.0	54
36	Bin1 directly remodels actin dynamics through its <scp>BAR</scp> domain. EMBO Reports, 2017, 18, 2051-2066.	4.5	42

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37	Identification of transcripts with short stuORFs as targets for DENRâ€¢MCTS1-dependent translation in human cells. Scientific Reports, 2017, 7, 3722.	3.3	42
38	Reply to Richarme: Evidence against a role of DJ-1 in methylglyoxal detoxification. Journal of Biological Chemistry, 2017, 292, 12784-12785.	3.4	7
39	Open questions: completing the parts list and finding the integrating signals. BMC Biology, 2017, 15, 47.	3.8	2
40	Lysosomal recruitment of TSC2 is a universal response to cellular stress. Nature Communications, 2016, 7, 10662.	12.8	129
41	<scp>eIF</scp>4A inactivates <scp>TORC</scp>1 in response to amino acidÂstarvation. EMBO Journal, 2016, 35, 1058-1076.	7.8	26
42	De Novo Mutations in DENR Disrupt Neuronal Development and Link Congenital Neurological Disorders to Faulty mRNA Translation Re-initiation. Cell Reports, 2016, 15, 2251-2265.	6.4	30
43	Protocols to Study Growth and Metabolism in Drosophila. Methods in Molecular Biology, 2016, 1478, 279-290.	0.9	2
44	Role for Torsin in Lipid Metabolism. Developmental Cell, 2016, 38, 223-224.	7.0	4
45	Metabolism meets development at Wiston House. Development (Cambridge), 2016, 143, 3045-3049.	2.5	5
46	TSC2 mediates hyperosmotic stress-induced inactivation of mTORC1. Scientific Reports, 2015, 5, 13828.	3.3	25
47	PPP2R5C Couples Hepatic Glucose and Lipid Homeostasis. PLoS Genetics, 2015, 11, e1005561.	3.5	33
48	Regulation of mitochondrial morphology and function by stearoylation of TFR1. Nature, 2015, 525, 124-128.	27.8	174
49	REPTOR and REPTOR-BP Regulate Organismal Metabolism and Transcription Downstream of TORC1. Developmental Cell, 2015, 33, 272-284.	7.0	86
50	Chicken or the egg: Warburg effect and mitochondrial dysfunction. F1000prime Reports, 2015, 7, 41.	5.9	64
51	Regulation of TORC1 in Response to Amino Acid Starvation via Lysosomal Recruitment of TSC2. Cell, 2014, 156, 786-799.	28.9	337
52	DENRâ€"MCT-1 promotes translation re-initiation downstream of uORFs to control tissue growth. Nature, 2014, 512, 208-212.	27.8	148
53	Brk regulates wing disc growth in part via repression of Myc expression. EMBO Reports, 2013, 14, 261-268.	4.5	33
54	Wnt6 is required for maxillary palp formation in Drosophila. BMC Biology, 2013, 11, 104.	3.8	27

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55	Insulin Signaling Regulates Fatty Acid Catabolism at the Level of CoA Activation. PLoS Genetics, 2012, 8, e1002478.	3.5	93
56	Drosophila: A Model for Understanding Obesity and Diabetic Complications. Experimental and Clinical Endocrinology and Diabetes, 2012, 120, 184-185.	1.2	34
57	Tissue-Specific Coupling between Insulin/IGF and TORC1 Signaling via PRAS40 in Drosophila. Developmental Cell, 2012, 22, 172-182.	7.0	47
58	Insulin/IGF signaling drives cell proliferation in part via Yorkie/YAP. Developmental Biology, 2012, 367, 187-196.	2.0	126
59	Privileged Signaling for Brain Growth. Cell, 2011, 146, 346-347.	28.9	2
60	InÂVivo Mapping of Hydrogen Peroxide and Oxidized Glutathione Reveals Chemical and Regional Specificity of Redox Homeostasis. Cell Metabolism, 2011, 14, 819-829.	16.2	298
61	dDOR Is an EcR Coactivator that Forms a Feed-Forward Loop Connecting Insulin and Ecdysone Signaling. Current Biology, 2010, 20, 1799-1808.	3.9	75
62	The nuclear cofactor DOR regulates autophagy in mammalian and <i>Drosophila</i> cells. EMBO Reports, 2010, 11, 37-44.	4.5	68
63	Molecular mechanisms of metabolic regulation by insulin in <i>Drosophila</i>. Biochemical Journal, 2010, 425, 13-26.	3.7	343
64	miR-200 De-FOGs Insulin Signaling. Cell Metabolism, 2010, 11, 8-9.	16.2	10
65	PP2A Regulatory Subunit PP2A-Bâ€² Counteracts S6K Phosphorylation. Cell Metabolism, 2010, 11, 438-444.	16.2	110
66	MAP4K3 regulates body size and metabolism in Drosophila. Developmental Biology, 2010, 344, 150-157.	2.0	57
67	Akt Phosphorylates Both Tsc1 and Tsc2 in Drosophila, but Neither Phosphorylation Is Required for Normal Animal Growth. PLoS ONE, 2009, 4, e6305.	2.5	30
68	Nutritional Control of Protein Biosynthetic Capacity by Insulin via Myc in Drosophila. Cell Metabolism, 2008, 7, 21-32.	16.2	224
69	On the mechanism of wing size determination in fly development. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3835-3840.	7.1	327
70	Isolation of microRNA targets by miRNP immunopurification. Rna, 2007, 13, 1198-1204.	3.5	268
71	Drosophila lacking microRNA miR-278 are defective in energy homeostasis. Genes and Development, 2006, 20, 417-422.	5.9	211
72	4E-BP functions as a metabolic brake used under stress conditions but not during normal growth. Genes and Development, 2005, 19, 1844-1848.	5.9	224

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73	The Growth Regulators warts/lats and melted Interact in a Bistable Loop to Specify Opposite Fates in Drosophila R8 Photoreceptors. Cell, 2005, 122, 775-787.	28.9	163
74	Drosophila Melted Modulates FOXO and TOR Activity. Developmental Cell, 2005, 9, 271-281.	7.0	109
75	Shaping Morphogen Gradients. Cell, 2001, 105, 559-562.	28.9	160
76	Dpp Gradient Formation in the Drosophila Wing Imaginal Disc. Cell, 2000, 103, 971-980.	28.9	435
77	Use of timeâ€lapse microscopy to visualize rapid movement of the replication origin region of the chromosome during the cell cycle in <i>Bacillus subtilis</i>. Molecular Microbiology, 1998, 28, 883-892.	2.5	189
78	Chromosome arrangement within a bacterium. Current Biology, 1998, 8, 1102-1109.	3.9	186
79	Chromosome and Low Copy Plasmid Segregation in E. coli: Visual Evidence for Distinct Mechanisms. Cell, 1997, 90, 1113-1121.	28.9	386
80	Bipolar Localization of the Replication Origin Regions of Chromosomes in Vegetative and Sporulating Cells of B. subtilis. Cell, 1997, 88, 667-674.	28.9	357
81	Use of green fluorescent protein for visualization of cell-specific gene expression and subcellular protein localization during sporulation in Bacillus subtilis. Journal of Bacteriology, 1995, 177, 5906-5911.	2.2	146