Alejo Efeyan

List of Publications by Year
in descending order

36 papers	10,422 citations	236612 25 h-index	344852 36 g-index
38 all docs	38 docs citations	38 times ranked	19162 citing authors

#	Article	IF	Citations
1	mTOR: from growth signal integration to cancer, diabetes and ageing. Nature Reviews Molecular Cell Biology, 2011, 12, 21-35.	16.1	3,464
2	mTORC1 Senses Lysosomal Amino Acids Through an Inside-Out Mechanism That Requires the Vacuolar H ⁺ -ATPase. Science, 2011, 334, 678-683.	6.0	1,369
3	Senescence in premalignant tumours. Nature, 2005, 436, 642-642.	13.7	1,280
4	Nutrient-sensing mechanisms and pathways. Nature, 2015, 517, 302-310.	13.7	860
5	p53: Guardian of the Genome and Policeman of the Oncogenes. Cell Cycle, 2007, 6, 1006-1010.	1.3	440
6	mTOR and cancer: many loops in one pathway. Current Opinion in Cell Biology, 2010, 22, 169-176.	2.6	375
7	Regulation of mTORC1 by the Rag GTPases is necessary for neonatal autophagy and survival. Nature, 2013, 493, 679-683.	13.7	374
8	Amino acids and mTORC1: from lysosomes to disease. Trends in Molecular Medicine, 2012, 18, 524-533.	3.5	370
9	Pten Positively Regulates Brown Adipose Function, Energy Expenditure, and Longevity. Cell Metabolism, 2012, 15, 382-394.	7.2	308
10	Germinal Center Selection and Affinity Maturation Require Dynamic Regulation of mTORC1 Kinase. Immunity, 2017, 46, 1045-1058.e6.	6.6	232
11	Recurrent mTORC1-activating RRAGC mutations in follicular lymphoma. Nature Genetics, 2016, 48, 183-188.	9.4	160
12	mTORC1-dependent AMD1 regulation sustains polyamine metabolism in prostate cancer. Nature, 2017, 547, 109-113.	13.7	142
13	Increased gene dosage of Ink4a/Arf results in cancer resistance and normal aging. Genes and Development, 2004, 18, 2736-2746.	2.7	123
14	The mTORâ€“Autophagy Axis and the Control of Metabolism. Frontiers in Cell and Developmental Biology, 2021, 9, 655731.	1.8	119
15	Induction of p53-Dependent Senescence by the MDM2 Antagonist Nutlin-3a in Mouse Cells of Fibroblast Origin. Cancer Research, 2007, 67, 7350-7357.	0.4	116
16	Policing of oncogene activity by p53. Nature, 2006, 443, 159-159.	13.7	107
17	DEPTOR Cell-Autonomously Promotes Adipogenesis, and Its Expression Is Associated with Obesity. Cell Metabolism, 2012, 16, 202-212.	7.2	99
18	RagA, but Not RagB, Is Essential for Embryonic Development and Adult Mice. Developmental Cell, 2014, 29, 321-329.	3.1	81

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19	A High-Throughput Loss-of-Function Screening Identifies Novel p53 Regulators. Cell Cycle, 2006, 5, 1880-1885.	1.3	52
20	Limited Role of Murine ATM in Oncogene-Induced Senescence and p53-Dependent Tumor Suppression. PLoS ONE, 2009, 4, e5475.	1.1	50
21	Nutrients and growth factors in mTORC1 activation. Biochemical Society Transactions, 2013, 41, 902-905.	1.6	46
22	Oncogenic Rag GTPase signalling enhances B cell activation and drives follicular lymphoma sensitive to pharmacological inhibition of mTOR. Nature Metabolism, 2019, 1, 775-789.	5.1	40
23	A minimally invasive assay for individual assessment of the ATM/CHEK2/p53 pathway activity. Cell Cycle, 2011, 10, 1152-1161.	1.3	36
24	p21, p27 and p53 in estrogen and antiprogestin-induced tumor regression of experimental mouse mammary ductal carcinomas. Carcinogenesis, 2002, 23, 749-758.	1.3	34
25	Cyclin D3 drives inertial cell cycling in dark zone germinal center B cells. Journal of Experimental Medicine, 2021, 218, .	4.2	29
26	Nutrient mTORC1 signaling underpins regulatory T cell control of immune tolerance. Journal of Experimental Medicine, 2020, 217, .	4.2	24
27	Amino acidâ€"insensitive mTORC1 regulation enables nutritional stress resilience in hematopoietic stem cells. Journal of Clinical Investigation, 2017, 127, 1405-1413.	3.9	23
28	A YAP/TAZ-TEAD signalling module links endothelial nutrient acquisition to angiogenic growth. Nature Metabolism, 2022, 4, 672-682.	5.1	20
29	Limited survival and impaired hepatic fasting metabolism in mice with constitutive Rag GTPase signaling. Nature Communications, 2021, 12, 3660.	5.8	13
30	Establishment of Two Hormone-responsive Mouse Mammary Carcinoma Cell Lines Derived from a Metastatic Mammary Tumor. Breast Cancer Research and Treatment, 2004, 83, 233-244.	1.1	10
31	Isolation of a stromal cell line from an early passage of a mouse mammary tumor line: A model for stromal parenchymal interactions. Journal of Cellular Physiology, 2005, 202, 672-682.	2.0	6
32	Inhibition of Rag GTPase signaling in mice suppresses B cell responses and lymphomagenesis with minimal detrimental trade-offs. Cell Reports, 2021, 36, 109372.	2.9	6
33	Universal guidelines for the conversion of proteins and dyes into functional nanothermometers. Journal of Biophotonics, 2019, 12, e201900044.	1.1	5
34	Harnessing DNA for nanothermometry. Journal of Biophotonics, 2021, 14, e202000341.	1.1	2
35	Protocol for the assessment of mTOR activity in mouse primary hepatocytes. STAR Protocols, 2021, 2, 100918.	0.5	2
36	From mouse genetics to targeting the Rag GTPase pathway. Molecular and Cellular Oncology, 2021, 8, 1979370.	0.3	0