

Eric Batchelor

List of Publications by Year in descending order

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33
papers

3,027
citations

361413

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395702

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34
all docs

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docs citations

34
times ranked

3842
citing authors

#	ARTICLE	IF	CITATIONS
1	Estradiol deficiency reduces the satellite cell pool by impairing cell cycle progression. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C1123-C1137.	4.6	5
2	Progress and challenges in understanding the regulation and function of p53 dynamics. <i>Biochemical Society Transactions</i> , 2021, 49, 2123-2131.	3.4	4
3	FUBP1 and FUBP2 enforce distinct epigenetic setpoints for MYC expression in primary single murine cells. <i>Communications Biology</i> , 2020, 3, 545.	4.4	8
4	Rucaparib Treatment Alters p53 Oscillations in Single Cells to Enhance DNA-Double-Strand-Break-Induced Cell Cycle Arrest. <i>Cell Reports</i> , 2020, 33, 108240.	6.4	3
5	Dissecting transcriptional amplification by MYC. <i>ELife</i> , 2020, 9, .	6.0	41
6	Tuning of mRNA stability through altering 3' UTR sequences generates distinct output expression in a synthetic circuit driven by p53 oscillations. <i>Scientific Reports</i> , 2019, 9, 5976.	3.3	20
7	Protein stability of p53 targets determines their temporal expression dynamics in response to p53 pulsing. <i>Journal of Cell Biology</i> , 2019, 218, 1282-1297.	5.2	20
8	p53 pulse modulation differentially regulates target gene promoters to regulate cell fate decisions. <i>Molecular Systems Biology</i> , 2019, 15, e8685.	7.2	29
9	Recent progress and open challenges in modeling p53 dynamics in single cells. <i>Current Opinion in Systems Biology</i> , 2017, 3, 54-59.	2.6	20
10	Determining the Limitations and Benefits of Noise in Gene Regulation and Signal Transduction through Single Cell, Microscopy-Based Analysis. <i>Journal of Molecular Biology</i> , 2017, 429, 1143-1154.	4.2	13
11	NF- κ B Promotes Ovarian Tumorigenesis via Classical Pathways That Support Proliferative Cancer Cells and Alternative Pathways That Support ALDH+ Cancer Stem-like Cells. <i>Cancer Research</i> , 2017, 77, 6927-6940.	0.9	77
12	CRISPR/Cas9-mediated gene knockout is insensitive to target copy number but is dependent on guide RNA potency and Cas9/sgRNA threshold expression level. <i>Nucleic Acids Research</i> , 2017, 45, 12039-12053.	14.5	64
13	Global Inhibition with Specific Activation: How p53 and MYC Redistribute the Transcriptome in the DNA Double-Strand Break Response. <i>Molecular Cell</i> , 2017, 67, 1013-1025.e9.	9.7	55
14	Single-cell Gene Expression Profiling Using FACS and qPCR with Internal Standards. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	5
15	Myc Regulates Chromatin Decompaction and Nuclear Architecture during B Cell Activation. <i>Molecular Cell</i> , 2017, 67, 566-578.e10.	9.7	174
16	Flexible CRISPR library construction using parallel oligonucleotide retrieval. <i>Nucleic Acids Research</i> , 2017, 45, e101-e101.	14.5	11
17	Disabled cell density sensing leads to dysregulated cholesterol synthesis in glioblastoma. <i>Oncotarget</i> , 2017, 8, 14860-14875.	1.8	30
18	p53 Pulses Diversify Target Gene Expression Dynamics in an mRNA Half-Life-Dependent Manner and Delineate Co-regulated Target Gene Subnetworks. <i>Cell Systems</i> , 2016, 2, 272-282.	6.2	68

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19	Far Upstream Element Binding Protein Plays a Crucial Role in Embryonic Development, Hematopoiesis, and Stabilizing Myc Expression Levels. <i>American Journal of Pathology</i> , 2016, 186, 701-715.	3.8	32
20	Using Computational Modeling and Experimental Synthetic Perturbations to Probe Biological Circuits. <i>Methods in Molecular Biology</i> , 2015, 1244, 259-276.	0.9	4
21	Promoter decoding of transcription factor dynamics. <i>Molecular Systems Biology</i> , 2013, 9, 703.	7.2	1
22	p53 Dynamics Control Cell Fate. <i>Science</i> , 2012, 336, 1440-1444.	12.6	655
23	Suppressing variation in synthetic circuits. <i>Molecular Systems Biology</i> , 2011, 7, 520.	7.2	1
24	Stimulus-dependent dynamics of p53 in single cells. <i>Molecular Systems Biology</i> , 2011, 7, 488.	7.2	283
25	Fourier analysis and systems identification of the p53 feedback loop. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13550-13555.	7.1	85
26	Basal Dynamics of p53 Reveal Transcriptionally Attenuated Pulses in Cycling Cells. <i>Cell</i> , 2010, 142, 89-100.	28.9	223
27	A synthetic-natural hybrid oscillator in human cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17047-17052.	7.1	54
28	The ups and downs of p53: understanding protein dynamics in single cells. <i>Nature Reviews Cancer</i> , 2009, 9, 371-377.	28.4	208
29	Recurrent Initiation: A Mechanism for Triggering p53 Pulses in Response to DNA Damage. <i>Molecular Cell</i> , 2008, 30, 277-289.	9.7	383
30	Imaging OmpR localization in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2006, 59, 1767-1778.	2.5	40
31	The <i>Escherichia coli</i> CpxA-CpxR Envelope Stress Response System Regulates Expression of the Porins OmpF and OmpC. <i>Journal of Bacteriology</i> , 2005, 187, 5723-5731.	2.2	151
32	Continuous Control in Bacterial Regulatory Circuits. <i>Journal of Bacteriology</i> , 2004, 186, 7618-7625.	2.2	39
33	Robustness and the cycle of phosphorylation and dephosphorylation in a two-component regulatory system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 691-696.	7.1	220