

Hilary A Coller

List of Publications by Year in descending order

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51
papers

3,026
citations

331670

21
h-index

254184

43
g-index

54
all docs

54
docs citations

54
times ranked

5398
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Description of Cellular Quiescence. PLoS Biology, 2006, 4, e83.	5.6	426
2	Quiescent Fibroblasts Exhibit High Metabolic Activity. PLoS Biology, 2010, 8, e1000514.	5.6	323
3	Control of the Reversibility of Cellular Quiescence by the Transcriptional Repressor HES1. Science, 2008, 321, 1095-1100.	12.6	270
4	Staying alive. Cell Cycle, 2012, 11, 1680-1696.	2.6	211
5	Lactate dehydrogenase activity drives hair follicle stem cell activation. Nature Cell Biology, 2017, 19, 1017-1026.	10.3	203
6	Is Cancer a Metabolic Disease?. American Journal of Pathology, 2014, 184, 4-17.	3.8	192
7	Extracellular Matrix Remodeling Regulates Glucose Metabolism through TXNIP Destabilization. Cell, 2018, 175, 117-132.e21.	28.9	180
8	H4K20 methylation regulates quiescence and chromatin compaction. Molecular Biology of the Cell, 2013, 24, 3025-3037.	2.1	123
9	“Myc”ed Messages: Myc Induces Transcription of E2F1 while Inhibiting Its Translation via a microRNA Polycistron. PLoS Genetics, 2007, 3, e146.	3.5	104
10	let-7 Overexpression Leads to an Increased Fraction of Cells in G2/M, Direct Down-regulation of Cdc34, and Stabilization of Wee1 Kinase in Primary Fibroblasts. Journal of Biological Chemistry, 2009, 284, 6605-6609.	3.4	102
11	Quantitative Dynamics of the Link between Cellular Metabolism and Histone Acetylation. Journal of Biological Chemistry, 2013, 288, 12142-12151.	3.4	98
12	What's taking so long? S-phase entry from quiescence versus proliferation. Nature Reviews Molecular Cell Biology, 2007, 8, 667-670.	37.0	95
13	The Essence of Quiescence. Science, 2011, 334, 1074-1075.	12.6	83
14	Regulating the angiogenic balance in tissues: A potential role for the proliferative state of fibroblasts. Cell Cycle, 2008, 7, 2056-2070.	2.6	58
15	A microRNA network regulates proliferative timing and extracellular matrix synthesis during cellular quiescence in fibroblasts. Genome Biology, 2012, 13, R121.	9.6	57
16	Functional Interactions Between microRNAs and RNA Binding Proteins. MicroRNA (Shariqah, United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	54
17	The paradox of metabolism in quiescent stem cells. FEBS Letters, 2019, 593, 2817-2839.	2.8	54
18	Reactive oxygen species and bacterial biofilms in diabetic wound healing. Physiological Genomics, 2016, 48, 889-896.	2.3	50

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19	Integrative analysis of the inter-tumoral heterogeneity of triple-negative breast cancer. <i>Scientific Reports</i> , 2018, 8, 11807.	3.3	43
20	Quiescent fibroblasts are protected from proteasome inhibition-mediated toxicity. <i>Molecular Biology of the Cell</i> , 2012, 23, 3566-3581.	2.1	31
21	An In Vitro Model of Cellular Quiescence in Primary Human Dermal Fibroblasts. <i>Methods in Molecular Biology</i> , 2018, 1686, 27-47.	0.9	26
22	Alternative polyadenylation factors link cell cycle to migration. <i>Genome Biology</i> , 2018, 19, 176.	8.8	25
23	RECK isoforms have opposing effects on cell migration. <i>Molecular Biology of the Cell</i> , 2018, 29, 1825-1838.	2.1	20
24	Clustering of mutant mitochondrial DNA copies suggests stem cells are common in human bronchial epithelium. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 578, 256-271.	1.0	17
25	“How Do We Do This at a Distance?” A Descriptive Study of Remote Undergraduate Research Programs during COVID-19. <i>CBE Life Sciences Education</i> , 2022, 21, ar1.	2.3	17
26	Methylation of histone 4’s lysine 20: a critical analysis of the state of the field. <i>Physiological Genomics</i> , 2021, 53, 22-32.	2.3	14
27	Widespread changes in mRNA stability contribute to quiescence-specific gene expression patterns in a fibroblast model of quiescence. <i>BMC Genomics</i> , 2017, 18, 123.	2.8	13
28	An American Physiological Society cross-journal Call for Papers on “Inter-Organ Communication in Homeostasis and Disease”. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L42-L49.	2.9	13
29	Is There a Histone Code for Cellular Quiescence?. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 739780.	3.7	13
30	Regulation of Cell Cycle Entry and Exit: A Single Cell Perspective. , 2019, 10, 317-344.		12
31	Towards a Machine-Learning-Assisted Dielectric Sensing Platform for Point-of-Care Wound Monitoring. , 2020, 4, 1-4.		12
32	Splicing Busts a Move: Isoform Switching Regulates Migration. <i>Trends in Cell Biology</i> , 2020, 30, 74-85.	7.9	11
33	Intron retention is a robust marker of intertumoral heterogeneity in pancreatic ductal adenocarcinoma. <i>Npj Genomic Medicine</i> , 2020, 5, 55.	3.8	10
34	Partners in the Warburg effect. <i>ELife</i> , 2016, 5, e15938.	6.0	10
35	Mapping Metabolism: Monitoring Lactate Dehydrogenase Activity Directly in Tissue. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	9
36	Fibroblasts Prompt Tumors to Mobilize Their Glycogen Reserves. <i>Trends in Cell Biology</i> , 2019, 29, 278-280.	7.9	9

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37	It's the Sequence, Stupid!. <i>Science</i> , 2008, 322, 380-381.	12.6	7
38	Alternative polyadenylation can regulate post-translational membrane localization. <i>Trends in Cell & Molecular Biology</i> , 2015, 10, 37-47.	0.5	6
39	MYC sets a tumour-stroma metabolic loop. <i>Nature Cell Biology</i> , 2018, 20, 506-507.	10.3	5
40	RECK isoforms differentially regulate fibroblast migration by modulating tubulin post-translational modifications. <i>Biochemical and Biophysical Research Communications</i> , 2019, 510, 211-218.	2.1	5
41	RNAs that make a heart beat. <i>Annals of Translational Medicine</i> , 2016, 4, 469-469.	1.7	5
42	Determining Genome-wide Transcript Decay Rates in Proliferating and Quiescent Human Fibroblasts. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	4
43	A Mouse Model to Investigate the Role of Cancer-associated Fibroblasts in Tumor Growth. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	2
44	The Runt-related transcription factor 1 in prostate cancer-associated fibroblasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16238-16239.	7.1	1
45	The return of quiescence metabolites. <i>Nature Cell Biology</i> , 2021, 23, 303-304.	10.3	1
46	DNA replication licensing in stem cells: Gatekeeping the commitment to proliferation. <i>Journal of Cell Biology</i> , 2018, 217, 1563-1565.	5.2	0
47	Incoming Editor-in-Chief Editorial. <i>Physiological Genomics</i> , 2021, 53, 283-284.	2.3	0
48	Co-regulation of long non-coding RNAs and protein-coding genes during cell quiescence. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
49	Prereplication complex proteins get caught moonlighting. <i>PLoS Biology</i> , 2022, 20, e3001549.	5.6	0
50	Stressed-out yeast do not pass GO. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	0
51	Bruins-in-Genomics: Evaluation of the impact of a UCLA undergraduate summer program in computational biology on participating students. <i>PLoS ONE</i> , 2022, 17, e0268861.	2.5	0