

James J Collins

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

5,773
citations

218381

26
h-index

214527

47
g-index

56
all docs

56
docs citations

56
times ranked

9430
citing authors

#	ARTICLE	IF	CITATIONS
1	The good, the bad, and the ugly: From planarians to parasites. <i>Current Topics in Developmental Biology</i> , 2022, 147, 345-373.	1.0	3
2	A male-derived nonribosomal peptide pheromone controls female schistosome development. <i>Cell</i> , 2022, 185, 1506-1520.e17.	13.5	25
3	Schistosome Sulfotransferases: Mode of Action, Expression and Localization. <i>Pharmaceutics</i> , 2022, 14, 1416.	2.0	3
4	<i>Schistosoma mansoni</i> venom allergen-like protein 6 (SmVAL6) maintains tegumental barrier function. <i>International Journal for Parasitology</i> , 2021, 51, 251-261.	1.3	4
5	SchistoCyte Atlas: A Single-Cell Transcriptome Resource for Adult Schistosomes. <i>Trends in Parasitology</i> , 2021, 37, 585-587.	1.5	19
6	Analysis of <i>Schistosoma mansoni</i> Extracellular Vesicles Surface Glycans Reveals Potential Immune Evasion Mechanism and New Insights on Their Origins of Biogenesis. <i>Pathogens</i> , 2021, 10, 1401.	1.2	8
7	The <i>Schistosoma mansoni</i> nuclear receptor FTZ-F1 maintains esophageal gland function via transcriptional regulation of <i>Ameg-8.3</i> . <i>PLoS Pathogens</i> , 2021, 17, e1010140.	2.1	6
8	Large-scale RNAi screening uncovers therapeutic targets in the parasite <i>Schistosoma mansoni</i> . <i>Science</i> , 2020, 369, 1649-1653.	6.0	50
9	A single-cell RNA-seq atlas of <i>Schistosoma mansoni</i> identifies a key regulator of blood feeding. <i>Science</i> , 2020, 369, 1644-1649.	6.0	108
10	Labeling of the <i>Schistosoma mansoni</i> Tegument. <i>Methods in Molecular Biology</i> , 2020, 2151, 65-74.	0.4	1
11	A rotifer-derived paralytic compound prevents transmission of schistosomiasis to a mammalian host. <i>PLoS Biology</i> , 2019, 17, e3000485.	2.6	11
12	Systematically improved in vitro culture conditions reveal new insights into the reproductive biology of the human parasite <i>Schistosoma mansoni</i> . <i>PLoS Biology</i> , 2019, 17, e3000254.	2.6	65
13	Flatworm-specific transcriptional regulators promote the specification of tegumental progenitors in <i>Schistosoma mansoni</i> . <i>ELife</i> , 2018, 7, .	2.8	56
14	Platyhelminthes. <i>Current Biology</i> , 2017, 27, R252-R256.	1.8	36
15	Methods for Studying the Germline of the Human Parasite <i>Schistosoma mansoni</i> . <i>Methods in Molecular Biology</i> , 2017, 1463, 35-47.	0.4	9
16	MiR-277/4989 regulate transcriptional landscape during juvenile to adult transition in the parasitic helminth <i>Schistosoma mansoni</i> . <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005559.	1.3	45
17	NF-YB Regulates Spermatogonial Stem Cell Self-Renewal and Proliferation in the Planarian <i>Schmidtea mediterranea</i> . <i>PLoS Genetics</i> , 2016, 12, e1006109.	1.5	24
18	Schistosomiasis as a disease of stem cells. <i>Current Opinion in Genetics and Development</i> , 2016, 40, 95-102.	1.5	31

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19	Mass Spectrometry Imaging and Identification of Peptides Associated with Cephalic Ganglia Regeneration in <i>Schmidtea mediterranea</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 8109-8120.	1.6	23
20	Identification of new markers for the <i>Schistosoma mansoni</i> vitelline lineage. <i>International Journal for Parasitology</i> , 2016, 46, 405-410.	1.3	67
21	RNAi Reveals Phase-Specific Global Regulators of Human Somatic Cell Reprogramming. <i>Cell Reports</i> , 2016, 15, 2597-2607.	2.9	47
22	Tissue Degeneration following Loss of <i>Schistosoma mansoni</i> <i>cbp1</i> Is Associated with Increased Stem Cell Proliferation and Parasite Death In Vivo. <i>PLoS Pathogens</i> , 2016, 12, e1005963.	2.1	33
23	Stem cell progeny contribute to the schistosome host-parasite interface. <i>ELife</i> , 2016, 5, e12473.	2.8	45
24	Tryptophan hydroxylase Is Required for Eye Melanogenesis in the Planarian <i>Schmidtea mediterranea</i> . <i>PLoS ONE</i> , 2015, 10, e0127074.	1.1	18
25	Systematic Identification of Factors for Provirus Silencing in Embryonic Stem Cells. <i>Cell</i> , 2015, 163, 230-245.	13.5	162
26	Zfp322a Regulates Mouse ES Cell Pluripotency and Enhances Reprogramming Efficiency. <i>PLoS Genetics</i> , 2014, 10, e1004038.	1.5	21
27	Epigenetic Landscapes Explain Partially Reprogrammed Cells and Identify Key Reprogramming Genes. <i>PLoS Computational Biology</i> , 2014, 10, e1003734.	1.5	100
28	Editorial overview: Antimicrobials: Grappling with the complexities of antibiotics and resistance. <i>Current Opinion in Microbiology</i> , 2014, 21, v-vi.	2.3	3
29	Integrating Biological Redesign: Where Synthetic Biology Came From and Where It Needs to Go. <i>Cell</i> , 2014, 157, 151-161.	13.5	211
30	A Parkinson's disease gene regulatory network identifies the signaling protein RGS2 as a modulator of LRRK2 activity and neuronal toxicity. <i>Human Molecular Genetics</i> , 2014, 23, 4887-4905.	1.4	45
31	Alternative Splicing of MBD2 Supports Self-Renewal in Human Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2014, 15, 92-101.	5.2	93
32	Paper-Based Synthetic Gene Networks. <i>Cell</i> , 2014, 159, 940-954.	13.5	597
33	Toehold Switches: De-Novo-Designed Regulators of Gene Expression. <i>Cell</i> , 2014, 159, 925-939.	13.5	646
34	Antibiotics induce redox-related physiological alterations as part of their lethality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2100-9.	3.3	698
35	A lophotrochozoan-specific nuclear hormone receptor is required for reproductive system development in the planarian. <i>Developmental Biology</i> , 2014, 396, 150-157.	0.9	17
36	CellNet: Network Biology Applied to Stem Cell Engineering. <i>Cell</i> , 2014, 158, 903-915.	13.5	490

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37	Dissecting Engineered Cell Types and Enhancing Cell Fate Conversion via CellNet. <i>Cell</i> , 2014, 158, 889-902.	13.5	238
38	Using Targeted Chromatin Regulators to Engineer Combinatorial and Spatial Transcriptional Regulation. <i>Cell</i> , 2014, 158, 110-120.	13.5	120
39	The Distribution of Genomic Variations in Human iPSCs Is Related to Replication-Timing Reorganization during Reprogramming. <i>Cell Reports</i> , 2014, 7, 70-78.	2.9	24
40	Bactericidal Antibiotics Induce Mitochondrial Dysfunction and Oxidative Damage in Mammalian Cells. <i>Science Translational Medicine</i> , 2013, 5, 192ra85.	5.8	391
41	Silver Enhances Antibiotic Activity Against Gram-Negative Bacteria. <i>Science Translational Medicine</i> , 2013, 5, 190ra81.	5.8	574
42	It's No Fluke: The Planarian as a Model for Understanding Schistosomes. <i>PLoS Pathogens</i> , 2013, 9, e1003396.	2.1	37
43	Adult somatic stem cells in the human parasite <i>Schistosoma mansoni</i> . <i>Nature</i> , 2013, 494, 476-479.	13.7	188
44	An Atlas for <i>Schistosoma mansoni</i> Organs and Life-Cycle Stages Using Cell Type-Specific Markers and Confocal Microscopy. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1009.	1.3	116
45	Genome-Wide Analyses Reveal a Role for Peptide Hormones in Planarian Germline Development. <i>PLoS Biology</i> , 2010, 8, e1000509.	2.6	249
46	Journal club. <i>Nature</i> , 2009, 460, 155-155.	13.7	2
47	A Systems Biology Approach to Study the Acquisition of Adult Repopulating Potential During Hematopoietic Stem Cell Ontogeny. <i>Blood</i> , 2009, 114, 1479-1479.	0.6	1