James J Collins

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/113466/publications.pdf

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47	5,773	218677	214800
papers	citations	26 h-index	47 g-index

56	56	56	9430
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antibiotics induce redox-related physiological alterations as part of their lethality. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2100-9.	7.1	698
2	Toehold Switches: De-Novo-Designed Regulators of Gene Expression. Cell, 2014, 159, 925-939.	28.9	646
3	Paper-Based Synthetic Gene Networks. Cell, 2014, 159, 940-954.	28.9	597
4	Silver Enhances Antibiotic Activity Against Gram-Negative Bacteria. Science Translational Medicine, 2013, 5, 190ra81.	12.4	574
5	CellNet: Network Biology Applied to Stem Cell Engineering. Cell, 2014, 158, 903-915.	28.9	490
6	Bactericidal Antibiotics Induce Mitochondrial Dysfunction and Oxidative Damage in Mammalian Cells. Science Translational Medicine, 2013, 5, 192ra85.	12.4	391
7	Genome-Wide Analyses Reveal a Role for Peptide Hormones in Planarian Germline Development. PLoS Biology, 2010, 8, e1000509.	5.6	249
8	Dissecting Engineered Cell Types and Enhancing Cell Fate Conversion via CellNet. Cell, 2014, 158, 889-902.	28.9	238
9	Integrating Biological Redesign: Where Synthetic Biology Came From and Where It Needs to Go. Cell, 2014, 157, 151-161.	28.9	211
10	Adult somatic stem cells in the human parasite Schistosoma mansoni. Nature, 2013, 494, 476-479.	27.8	188
11	Systematic Identification of Factors for Provirus Silencing in Embryonic Stem Cells. Cell, 2015, 163, 230-245.	28.9	162
12	Using Targeted Chromatin Regulators to Engineer Combinatorial and Spatial Transcriptional Regulation. Cell, 2014, 158, 110-120.	28.9	120
13	An Atlas for Schistosoma mansoni Organs and Life-Cycle Stages Using Cell Type-Specific Markers and Confocal Microscopy. PLoS Neglected Tropical Diseases, 2011, 5, e1009.	3.0	116
14	A single-cell RNA-seq atlas of Schistosoma mansoni identifies a key regulator of blood feeding. Science, 2020, 369, 1644-1649.	12.6	108
15	Epigenetic Landscapes Explain Partially Reprogrammed Cells and Identify Key Reprogramming Genes. PLoS Computational Biology, 2014, 10, e1003734.	3.2	100
16	Alternative Splicing of MBD2 Supports Self-Renewal in Human Pluripotent Stem Cells. Cell Stem Cell, 2014, 15, 92-101.	11.1	93
17	Identification of new markers for the Schistosoma mansoni vitelline lineage. International Journal for Parasitology, 2016, 46, 405-410.	3.1	67
18	Systematically improved in vitro culture conditions reveal new insights into the reproductive biology of the human parasite Schistosoma mansoni. PLoS Biology, 2019, 17, e3000254.	5.6	65

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19	Flatworm-specific transcriptional regulators promote the specification of tegumental progenitors in Schistosoma mansoni. ELife, 2018, 7, .	6.0	56
20	Large-scale RNAi screening uncovers therapeutic targets in the parasite Schistosoma mansoni. Science, 2020, 369, 1649-1653.	12.6	50
21	RNAi Reveals Phase-Specific Global Regulators of Human Somatic Cell Reprogramming. Cell Reports, 2016, 15, 2597-2607.	6.4	47
22	A Parkinson's disease gene regulatory network identifies the signaling protein RGS2 as a modulator of LRRK2 activity and neuronal toxicity. Human Molecular Genetics, 2014, 23, 4887-4905.	2.9	45
23	MiR-277/4989 regulate transcriptional landscape during juvenile to adult transition in the parasitic helminth Schistosoma mansoni. PLoS Neglected Tropical Diseases, 2017, 11, e0005559.	3.0	45
24	Stem cell progeny contribute to the schistosome host-parasite interface. ELife, 2016, 5, e12473.	6.0	45
25	It's No Fluke: The Planarian as a Model for Understanding Schistosomes. PLoS Pathogens, 2013, 9, e1003396.	4.7	37
26	Platyhelminthes. Current Biology, 2017, 27, R252-R256.	3.9	36
27	Tissue Degeneration following Loss of Schistosoma mansoni cbp1 Is Associated with Increased Stem Cell Proliferation and Parasite Death In Vivo. PLoS Pathogens, 2016, 12, e1005963.	4.7	33
28	Schistosomiasis as a disease of stem cells. Current Opinion in Genetics and Development, 2016, 40, 95-102.	3.3	31
29	A male-derived nonribosomal peptide pheromone controls female schistosome development. Cell, 2022, 185, 1506-1520.e17.	28.9	25
30	The Distribution of Genomic Variations in Human iPSCs Is Related to Replication-Timing Reorganization during Reprogramming. Cell Reports, 2014, 7, 70-78.	6.4	24
31	NF-YB Regulates Spermatogonial Stem Cell Self-Renewal and Proliferation in the Planarian Schmidtea mediterranea. PLoS Genetics, 2016, 12, e1006109.	3.5	24
32	Mass Spectrometry Imaging and Identification of Peptides Associated with Cephalic Ganglia Regeneration in Schmidtea mediterranea. Journal of Biological Chemistry, 2016, 291, 8109-8120.	3.4	23
33	Zfp322a Regulates Mouse ES Cell Pluripotency and Enhances Reprogramming Efficiency. PLoS Genetics, 2014, 10, e1004038.	3.5	21
34	SchistoCyte Atlas: A Single-Cell Transcriptome Resource for Adult Schistosomes. Trends in Parasitology, 2021, 37, 585-587.	3.3	19
35	Tryptophan hydroxylase Is Required for Eye Melanogenesis in the Planarian Schmidtea mediterranea. PLoS ONE, 2015, 10, e0127074.	2.5	18
36	A lophotrochozoan-specific nuclear hormone receptor is required for reproductive system development in the planarian. Developmental Biology, 2014, 396, 150-157.	2.0	17

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37	A rotifer-derived paralytic compound prevents transmission of schistosomiasis to a mammalian host. PLoS Biology, 2019, 17, e3000485.	5.6	11
38	Methods for Studying the Germline of the Human Parasite Schistosoma mansoni. Methods in Molecular Biology, 2017, 1463, 35-47.	0.9	9
39	Analysis of Schistosoma mansoni Extracellular Vesicles Surface Glycans Reveals Potential Immune Evasion Mechanism and New Insights on Their Origins of Biogenesis. Pathogens, 2021, 10, 1401.	2.8	8
40	TheÂSchistosoma mansoniÂnuclear receptor FTZ-F1 maintains esophageal gland function via transcriptional regulation ofÂmeg-8.3. PLoS Pathogens, 2021, 17, e1010140.	4.7	6
41	Schistosoma mansoni venom allergen-like protein 6 (SmVAL6) maintains tegumental barrier function. International Journal for Parasitology, 2021, 51, 251-261.	3.1	4
42	Editorial overview: Antimicrobials: Grappling with the complexities of antibiotics and resistance. Current Opinion in Microbiology, 2014, 21, v-vi.	5.1	3
43	The good, the bad, and the ugly: From planarians to parasites. Current Topics in Developmental Biology, 2022, 147, 345-373.	2.2	3
44	Schistosome Sulfotransferases: Mode of Action, Expression and Localization. Pharmaceutics, 2022, 14, 1416.	4.5	3
45	Journal club. Nature, 2009, 460, 155-155.	27.8	2
46	A Systems Biology Approach to Study the Acquisition of Adult Repopulating Potential During Hematopoietic Stem Cell Ontogeny.. Blood, 2009, 114, 1479-1479.	1.4	1
47	Labeling of the Schistosoma mansoni Tegument. Methods in Molecular Biology, 2020, 2151, 65-74.	0.9	1