

Christopher Barry

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

650
citations

687363

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h-index

996975

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16
all docs

16
docs citations

16
times ranked

907
citing authors

#	ARTICLE	IF	CITATIONS
1	Interspecies chimeric conditions affect the developmental rate of human pluripotent stem cells. PLoS Computational Biology, 2021, 17, e1008778.	3.2	11
2	Automated minute scale RNA-seq of pluripotent stem cell differentiation reveals early divergence of human and mouse gene expression kinetics. PLoS Computational Biology, 2019, 15, e1007543.	3.2	9
3	Species-specific developmental timing is maintained by pluripotent stem cells ex utero. Developmental Biology, 2017, 423, 101-110.	2.0	43
4	Uniform neural tissue models produced on synthetic hydrogels using standard culture techniques. Experimental Biology and Medicine, 2017, 242, 1679-1689.	2.4	31
5	Oscope identifies oscillatory genes in unsynchronized single-cell RNA-seq experiments. Nature Methods, 2015, 12, 947-950.	19.0	171
6	Golgi complexâ€™ plasma membrane trafficking directed by an autonomous, tribasic Golgi export signal. Molecular Biology of the Cell, 2014, 25, 866-878.	2.1	30
7	Polybasic Trafficking Signal Mediates Golgi Export, ER Retention or ER Export and Retrieval Based on Membrane-Proximity. PLoS ONE, 2014, 9, e94194.	2.5	18
8	Comparative RNA-seq Analysis in the Unsequenced Axolotl: The Oncogene Burst Highlights Early Gene Expression in the Blastema. PLoS Computational Biology, 2013, 9, e1002936.	3.2	125
9	Different activities of the reovirus FAST proteins and influenza hemagglutinin in cellâ€™cell fusion assays and in response to membrane curvature agents. Virology, 2010, 397, 119-129.	2.4	19
10	Features of a Spatially Constrained Cystine Loop in the p10 FAST Protein Ectodomain Define a New Class of Viral Fusion Peptides. Journal of Biological Chemistry, 2010, 285, 16424-16433.	3.4	36
11	Multifaceted Sequence-Dependent and -Independent Roles for Reovirus FAST Protein Cytoplasmic Tails in Fusion Pore Formation and Syncytiogenesis. Journal of Virology, 2009, 83, 12185-12195.	3.4	27
12	Aquareovirus Effects Syncytiogenesis by Using a Novel Member of the FAST Protein Family Translated from a Noncanonical Translation Start Site. Journal of Virology, 2009, 83, 5951-5955.	3.4	41
13	Enhanced Fusion Pore Expansion Mediated by the Trans-Acting Endodomain of the Reovirus FAST Proteins. PLoS Pathogens, 2009, 5, e1000331.	4.7	28
14	A Virus-Encoded Cellâ€™Cell Fusion Machine Dependent on Surrogate Adhesins. PLoS Pathogens, 2008, 4, e1000016.	4.7	43
15	Leaky Scanning and Scanning-independent Ribosome Migration on the Tricistronic S1 mRNA of Avian Reovirus. Journal of Biological Chemistry, 2007, 282, 25613-25622.	3.4	18