

Justin Brumbaugh

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,731
citations

279487

23
h-index

454577

30
g-index

32
all docs

32
docs citations

32
times ranked

5140
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal-Transport Analysis of Single-Cell Gene Expression Identifies Developmental Trajectories in Reprogramming. <i>Cell</i> , 2019, 176, 928-943.e22.	13.5	411
2	Proteomic and phosphoproteomic comparison of human ES and iPS cells. <i>Nature Methods</i> , 2011, 8, 821-827.	9.0	254
3	The histone chaperone CAF-1 safeguards somatic cell identity. <i>Nature</i> , 2015, 528, 218-224.	13.7	244
4	Prolonged Mek1/2 suppression impairs the developmental potential of embryonic stem cells. <i>Nature</i> , 2017, 548, 219-223.	13.7	211
5	Mass spectrometry identifies and quantifies 74 unique histone H4 isoforms in differentiating human embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4093-4098.	3.3	167
6	Human Pumilio Proteins Recruit Multiple Deadenylases to Efficiently Repress Messenger RNAs. <i>Journal of Biological Chemistry</i> , 2012, 287, 36370-36383.	1.6	165
7	Transcription Factors Drive Tet2-Mediated Enhancer Demethylation to Reprogram Cell Fate. <i>Cell Stem Cell</i> , 2018, 23, 727-741.e9.	5.2	156
8	Nudt21 Controls Cell Fate by Connecting Alternative Polyadenylation to Chromatin Signaling. <i>Cell</i> , 2018, 172, 106-120.e21.	13.5	123
9	Lineage conversion induced by pluripotency factors involves transient passage through an iPSC stage. <i>Nature Biotechnology</i> , 2015, 33, 761-768.	9.4	100
10	Small molecules facilitate rapid and synchronous iPSC generation. <i>Nature Methods</i> , 2014, 11, 1170-1176.	9.0	91
11	Phosphorylation regulates human OCT4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7162-7168.	3.3	87
12	The RNA Helicase DDX6 Controls Cellular Plasticity by Modulating P-Body Homeostasis. <i>Cell Stem Cell</i> , 2019, 25, 622-638.e13.	5.2	82
13	Reduced MEK inhibition preserves genomic stability in naive human embryonic stem cells. <i>Nature Methods</i> , 2018, 15, 732-740.	9.0	74
14	DUSP9 Modulates DNA Hypomethylation in Female Mouse Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2017, 20, 706-719.e7.	5.2	63
15	A Dual Parameter FRET Probe for Measuring PKC and PKA Activity in Living Cells. <i>Journal of the American Chemical Society</i> , 2006, 128, 24-25.	6.6	52
16	A Serial shRNA Screen for Roadblocks to Reprogramming Identifies the Protein Modifier SUMO2. <i>Stem Cell Reports</i> , 2016, 6, 704-716.	2.3	50
17	NANOG Is Multiply Phosphorylated and Directly Modified by ERK2 and CDK1 In Vitro. <i>Stem Cell Reports</i> , 2014, 2, 18-25.	2.3	47
18	Instant spectral assignment for advanced decision tree-driven mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8411-8416.	3.3	46

#	ARTICLE	IF	CITATIONS
19	Reprogramming: identifying the mechanisms that safeguard cell identity. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	45
20	Nuclear deformation guides chromatin reorganization in cardiac development and disease. <i>Nature Biomedical Engineering</i> , 2021, 5, 1500-1516.	11.6	41
21	Inducible histone K-to-M mutations are dynamic tools to probe the physiological role of site-specific histone methylation in vitro and in vivo. <i>Nature Cell Biology</i> , 2019, 21, 1449-1461.	4.6	40
22	Membrane-Permeant Phosphoinositide Derivatives as Modulators of Growth Factor Signaling and Neurite Outgrowth. <i>Chemistry and Biology</i> , 2009, 16, 1190-1196.	6.2	31
23	Higher-energy Collision-activated Dissociation Without a Dedicated Collision Cell. <i>Molecular and Cellular Proteomics</i> , 2011, 10, O111.009456.	2.5	31
24	F-box Protein FBXL16 Binds PP2A-B55 [±] and Regulates Differentiation of Embryonic Stem Cells along the FLK1+ Lineage. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 780-791.	2.5	22
25	Unraveling the histone's potential: A proteomics perspective. <i>Epigenetics</i> , 2008, 3, 254-257.	1.3	13
26	Proteomics and pluripotency. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2011, 46, 493-506.	2.3	13
27	Probabilistic Modeling of Reprogramming to Induced Pluripotent Stem Cells. <i>Cell Reports</i> , 2016, 17, 3395-3406.	2.9	13
28	Removing Reprogramming Roadblocks: Mbd3 Depletion Allows Deterministic iPSC Generation. <i>Cell Stem Cell</i> , 2013, 13, 379-381.	5.2	11
29	Single- and dual-parameter FRET kinase probes based on pleckstrin. <i>Nature Protocols</i> , 2006, 1, 1044-1055.	5.5	8
30	Editorial: Chromatin Regulation in Cell Fate Decisions. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 734020.	1.8	1