Justin Brumbaugh

List of Publications by Year in descending order

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	Editorial: Chromatin Regulation in Cell Fate Decisions. Frontiers in Cell and Developmental Biology, 2021, 9, 734020.	1.8	1
2	Nuclear deformation guides chromatin reorganization in cardiac development and disease. Nature Biomedical Engineering, 2021, 5, 1500-1516.	11.6	41
3	Inducible histone K-to-M mutations are dynamic tools to probe the physiological role of site-specific histone methylation in vitro and in vivo. Nature Cell Biology, 2019, 21, 1449-1461.	4.6	40
4	The RNA Helicase DDX6 Controls Cellular Plasticity by Modulating P-Body Homeostasis. Cell Stem Cell, 2019, 25, 622-638.e13.	5.2	82
5	Optimal-Transport Analysis of Single-Cell Gene Expression Identifies Developmental Trajectories in Reprogramming. Cell, 2019, 176, 928-943.e22.	13.5	411
6	Reprogramming: identifying the mechanisms that safeguard cell identity. Development (Cambridge), 2019, 146, .	1.2	45
7	Nudt21 Controls Cell Fate by Connecting Alternative Polyadenylation to Chromatin Signaling. Cell, 2018, 172, 106-120.e21.	13.5	123
8	Transcription Factors Drive Tet2-Mediated Enhancer Demethylation to Reprogram Cell Fate. Cell Stem Cell, 2018, 23, 727-741.e9.	5.2	156
9	Reduced MEK inhibition preserves genomic stability in naive human embryonic stem cells. Nature Methods, 2018, 15, 732-740.	9.0	74
10	DUSP9 Modulates DNA Hypomethylation in Female Mouse Pluripotent Stem Cells. Cell Stem Cell, 2017, 20, 706-719.e7.	5.2	63
11	Prolonged Mek1/2 suppression impairs the developmental potential of embryonic stem cells. Nature, 2017, 548, 219-223.	13.7	211
12	Probabilistic Modeling of Reprogramming to Induced Pluripotent Stem Cells. Cell Reports, 2016, 17, 3395-3406.	2.9	13
13	A Serial shRNA Screen for Roadblocks to Reprogramming Identifies the Protein Modifier SUMO2. Stem Cell Reports, 2016, 6, 704-716.	2.3	50
14	The histone chaperone CAF-1 safeguards somatic cell identity. Nature, 2015, 528, 218-224.	13.7	244
15	Lineage conversion induced by pluripotency factors involves transient passage through an iPSC stage. Nature Biotechnology, 2015, 33, 761-768.	9.4	100
16	F-box Protein FBXL16 Binds PP2A-B55Î± and Regulates Differentiation of Embryonic Stem Cells along the FLK1+ Lineage. Molecular and Cellular Proteomics, 2014, 13, 780-791.	2.5	22
17	Small molecules facilitate rapid and synchronous iPSC generation. Nature Methods, 2014, 11, 1170-1176.	9.0	91
18	NANOG Is Multiply Phosphorylated and Directly Modified by ERK2 and CDK1 InÂVitro. Stem Cell Reports, 2014, 2, 18-25.	2.3	47

#	Article	IF	Citations
19	Removing Reprogramming Roadblocks: Mbd3 Depletion Allows Deterministic iPSC Generation. Cell Stem Cell, 2013, 13, 379-381.	5.2	11
20	Phosphorylation regulates human OCT4. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7162-7168.	3.3	87
21	Human Pumilio Proteins Recruit Multiple Deadenylases to Efficiently Repress Messenger RNAs. Journal of Biological Chemistry, 2012, 287, 36370-36383.	1.6	165
22	Instant spectral assignment for advanced decision tree-driven mass spectrometry. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8411-8416.	3.3	46
23	Proteomics and pluripotency. Critical Reviews in Biochemistry and Molecular Biology, 2011, 46, 493-506.	2.3	13
24	Proteomic and phosphoproteomic comparison of human ES and iPS cells. Nature Methods, 2011, 8, 821-827.	9.0	254
25	Higher-energy Collision-activated Dissociation Without a Dedicated Collision Cell. Molecular and Cellular Proteomics, 2011, 10, O111.009456.	2.5	31
26	Membrane-Permeant Phosphoinositide Derivatives as Modulators of Growth Factor Signaling and Neurite Outgrowth. Chemistry and Biology, 2009, 16, 1190-1196.	6.2	31
27	Unraveling the histone's potential: A proteomics perspective. Epigenetics, 2008, 3, 254-257.	1.3	13
28	Mass spectrometry identifies and quantifies 74 unique histone H4 isoforms in differentiating human embryonic stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4093-4098.	3.3	167
29	A Dual Parameter FRET Probe for Measuring PKC and PKA Activity in Living Cells. Journal of the American Chemical Society, 2006, 128, 24-25.	6.6	52
30	Single- and dual-parameter FRET kinase probes based on pleckstrin. Nature Protocols, 2006, 1, 1044-1055.	5.5	8