

Bradley J Merrill

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,231
citations

331670

21
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

3704
citing authors

#	ARTICLE	IF	CITATIONS
1	Repression of Nanog Gene Transcription by Tcf3 Limits Embryonic Stem Cell Self-Renewal. <i>Molecular and Cellular Biology</i> , 2006, 26, 7479-7491.	2.3	277
2	Opposing effects of Tcf3 and Tcf1 control Wnt stimulation of embryonic stem cell self-renewal. <i>Nature Cell Biology</i> , 2011, 13, 762-770.	10.3	274
3	Alternative splicing regulates mouse embryonic stem cell pluripotency and differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10514-10519.	7.1	222
4	Tcf3: a transcriptional regulator of axis induction in the early embryo. <i>Development (Cambridge)</i> , 2004, 131, 263-274.	2.5	209
5	Tcf3 Functions as a Steady-State Limiter of Transcriptional Programs of Mouse Embryonic Stem Cell Self-Renewal. <i>Stem Cells</i> , 2008, 26, 1951-1960.	3.2	147
6	Canonical Wnt/ β -Catenin Regulation of Liver Receptor Homolog-1 Mediates Pluripotency Gene Expression. <i>Stem Cells</i> , 2010, 28, 1794-1804.	3.2	120
7	Enhanced Bacterial Immunity and Mammalian Genome Editing via RNA-Polymerase-Mediated Dislodging of Cas9 from Double-Strand DNA Breaks. <i>Molecular Cell</i> , 2018, 71, 42-55.e8.	9.7	112
8	Regulation of Tcf7l1 DNA Binding and Protein Stability as Principal Mechanisms of Wnt/ β -Catenin Signaling. <i>Cell Reports</i> , 2013, 4, 1-9.	6.4	109
9	Function of Wnt/ β -catenin in counteracting Tcf3 repression through the Tcf3/ β -catenin interaction. <i>Development (Cambridge)</i> , 2012, 139, 2118-2129.	2.5	97
10	Cryo-EM structures reveal coordinated domain motions that govern DNA cleavage by Cas9. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 679-685.	8.2	97
11	Wnt Pathway Regulation of Embryonic Stem Cell Self-Renewal. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a007971-a007971.	5.5	77
12	A Novel Asparaginase with low Glutaminase Coactivity Is Highly Efficacious against Both T- and B-cell Acute Lymphoblastic Leukemias <i>In Vivo</i> . <i>Cancer Research</i> , 2018, 78, 1549-1560.	0.9	67
13	Tcf7l1 prepares epiblast cells in the gastrulating mouse embryo for lineage specification. <i>Development (Cambridge)</i> , 2013, 140, 1665-1675.	2.5	62
14	Complementary Wnt Sources Regulate Lymphatic Vascular Development via PROX1-Dependent Wnt/ β -Catenin Signaling. <i>Cell Reports</i> , 2018, 25, 571-584.e5.	6.4	55
15	Cysteine oxidation of copper transporter CTR1 drives VEGFR2 signalling and angiogenesis. <i>Nature Cell Biology</i> , 2022, 24, 35-50.	10.3	53
16	Co-incident insertion enables high efficiency genome engineering in mouse embryonic stem cells. <i>Nucleic Acids Research</i> , 2016, 44, 7997-8010.	14.5	48
17	Transcription factor 7-like 1 is involved in hypothalamo-pituitary axis development in mice and humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E548-57.	7.1	47
18	DDB2 Is a Novel Regulator of Wnt Signaling in Colon Cancer. <i>Cancer Research</i> , 2017, 77, 6562-6575.	0.9	26

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19	Intracellular Ca ²⁺ Homeostasis and Nuclear Export Mediate Exit from Naive Pluripotency. <i>Cell Stem Cell</i> , 2019, 25, 210-224.e6.	11.1	24
20	Netrin-1 promotes naive pluripotency through Neo1 and Unc5b co-regulation of Wnt and MAPK signalling. <i>Nature Cell Biology</i> , 2020, 22, 389-400.	10.3	24
21	Method for Dual Viral Vector Mediated CRISPR-Cas9 Gene Disruption in Primary Human Endothelial Cells. <i>Scientific Reports</i> , 2017, 7, 42127.	3.3	23
22	<i>TCF7L1</i> suppresses primitive streak gene expression to support human embryonic stem cell pluripotency. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	18
23	Stem Cells and TCF Proteins: A Role for β -Catenin-Independent Functions. <i>Stem Cell Reviews and Reports</i> , 2007, 3, 39-48.	5.6	16
24	Develop-WNTs in Somatic Cell Reprogramming. <i>Cell Stem Cell</i> , 2008, 3, 465-466.	11.1	14
25	Sequential Activation of Guide RNAs to Enable Successive CRISPR-Cas9 Activities. <i>Molecular Cell</i> , 2021, 81, 226-238.e5.	9.7	7
26	Non-cell-autonomous stimulation of stem cell proliferation following ablation of Tcf3. <i>Experimental Cell Research</i> , 2010, 316, 1050-1060.	2.6	6