Joshua M Brickman

List of Publications by Year
in descending order

62	4,089	147801 31	123424 61
papers	citations	h-index	g-index

71	71	71	5097
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mutations in the homeobox gene HESX1/Hesx1 associated with septo-optic dysplasia in human and mouse. Nature Genetics, 1998, 19, 125-133.	21.4	719
2	Time-Resolved Analysis Reveals Rapid Dynamics and Broad Scope of the CBP/p300 Acetylome. Cell, 2018, 174, 231-244.e12.	28.9	313
3	An HMG-like protein that can switch a transcriptional activator to a repressor. Nature, 1994, 371, 175-179.	27.8	229
4	Functional Heterogeneity of Embryonic Stem Cells Revealed through Translational Amplification of an Early Endodermal Transcript. PLoS Biology, 2010, 8, e1000379.	5.6	219
5	Totipotent Embryonic Stem Cells Arise in Ground-State Culture Conditions. Cell Reports, 2013, 3, 1945-1957.	6.4	207
6	Conserved roles for Oct4 homologues in maintaining multipotency during early vertebrate development. Development (Cambridge), 2006, 133, 2011-2022.	2.5	144
7	Targeted Mutagenesis of the Hira Gene Results in Gastrulation Defects and Patterning Abnormalities of Mesoendodermal Derivatives Prior to Early Embryonic Lethality. Molecular and Cellular Biology, 2002, 22, 2318-2328.	2.3	126
8	Molecular effects of novel mutations inHesx1/HESX1associated with human pituitary disorders. Development (Cambridge), 2001, 128, 5189-5199.	2.5	118
9	Anterior Definitive Endoderm from ESCs Reveals a Role for FGF Signaling. Cell Stem Cell, 2008, 3, 402-415.	11.1	113
10	A homozygous mutation in HESX1 is associated with evolving hypopituitarism due to impaired repressor-corepressor interaction. Journal of Clinical Investigation, 2003, 112, 1192-1201.	8.2	110
11	Gene expression heterogeneities in embryonic stem cell populations: origin and function. Current Opinion in Cell Biology, 2011, 23, 650-656.	5.4	96
12	Erk Signaling Suppresses Embryonic Stem Cell Self-Renewal to Specify Endoderm. Cell Reports, 2014, 9, 2056-2070.	6.4	96
13	NaÃ¯ve human pluripotent stem cells respond to Wnt, Nodal, and LIF signalling to produce expandable naÃ¯ve extra-embryonic endoderm. Development (Cambridge), 2019, 146, .	2.5	95
14	Enhancers are activated by p300/CBP activity-dependent PIC assembly, RNAPII recruitment, and pause release. Molecular Cell, 2021, 81, 2166-2182.e6.	9.7	94
15	New eukaryotic transcriptional repressers. Nature, 1993, 363, 648-652.	27.8	92
16	Properties of embryoid bodies. Wiley Interdisciplinary Reviews: Developmental Biology, 2017, 6, e259.	5.9	76
17	HHEX is a transcriptional regulator of the VEGFC/FLT4/PROX1 signaling axis during vascular development. Nature Communications, 2018, 9, 2704.	12.8	70
18	Interactions between an HMG-1 protein and members of the Rel family. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 10679-10683.	7.1	69

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19	Insulin fine-tunes self-renewal pathways governing naive pluripotency and extra-embryonic endoderm. Nature Cell Biology, 2017, 19, 1164-1177.	10.3	67
20	Dynamic lineage priming is driven via direct enhancer regulation by ERK. Nature, 2019, 575, 355-360.	27.8	64
21	Transcriptional Activation by Oct4 Is Sufficient for the Maintenance and Induction of Pluripotency. Cell Reports, 2012, 1, 99-109.	6.4	61
22	Embryonic Stem Cell Culture Conditions Support Distinct States Associated with Different Developmental Stages and Potency. Stem Cell Reports, 2016, 7, 177-191.	4.8	55
23	LIF supports primitive endoderm expansion during pre-implantation development. Development (Cambridge), 2015, 142, 3488-99.	2.5	52
24	From pluripotency to totipotency: an experimentalist's guide to cellular potency. Development (Cambridge), 2020, 147, .	2.5	47
25	Hex acts with Î²-catenin to regulate anteroposterior patterning via a Groucho-related co-repressor and Nodal. Development (Cambridge), 2006, 133, 3709-3722.	2.5	45
26	Interactions of a Rel protein with its inhibitor.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 10242-10246.	7.1	44
27	Four simple rules that are sufficient to generate the mammalian blastocyst. PLoS Biology, 2017, 15, e2000737.	5.6	44
28	A Conserved Oct4/POUV-Dependent Network Links Adhesion and Migration to Progenitor Maintenance. Current Biology, 2013, 23, 2233-2244.	3.9	41
29	Pluripotency and tumorigenicity. Nature Genetics, 2002, 32, 557-558.	21.4	40
30	Inhibition of Cortical Neuron Differentiation by Groucho/TLE1 Requires Interaction with WRPW, but Not Eh1, Repressor Peptides. Journal of Biological Chemistry, 2008, 283, 24881-24888.	3.4	38
31	Investigation of microsphere-mediated cellular delivery by chemical, microscopic and gene expression analysis. Molecular BioSystems, 2010, 6, 399-409.	2.9	34
32	The POU-er of gene nomenclature. Development (Cambridge), 2014, 141, 2921-2923.	2.5	33
33	FGF signalling as a mediator of lineage transitionsâ€"Evidence from embryonic stem cell differentiation. Journal of Cellular Biochemistry, 2010, 110, 10-20.	2.6	32
34	PI3K/Akt1 signalling specifies foregut precursors by generating regionalized extra-cellular matrix. ELife, 2013, 2, e00806.	6.0	32
35	Cell-state transitions and collective cell movement generate an endoderm-like region in gastruloids. ELife, 2022, 11, .	6.0	32
36	The molecular underpinnings of totipotency. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130549.	4.0	31

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37	Microsphere-based tracing and molecular delivery in embryonic stem cells. Biomaterials, 2009, 30, 5853-5861.	11.4	28
38	Polycomb enables primitive endoderm lineage priming in embryonic stem cells. ELife, 2016, 5, .	6.0	28
39	Characterizing Embryonic Gene Expression Patterns in the Mouse Using Nonredundant Sequence-Based Selection. Genome Research, 2003, 13, 2609-2620.	5.5	27
40	Microsphereâ€Mediated Protein Delivery into Cells. ChemBioChem, 2009, 10, 1453-1456.	2.6	27
41	HOXB4 Can Enhance the Differentiation of Embryonic Stem Cells by Modulating the Hematopoietic Niche. Stem Cells, 2012, 30, 150-160.	3.2	25
42	Gro/TLE enables embryonic stem cell differentiation by repressing pluripotent gene expression. Developmental Biology, 2015, 397, 56-66.	2.0	25
43	Molecular Genetics of Septo-Optic Dysplasia. Hormone Research in Paediatrics, 2000, 53, 26-33.	1.8	15
44	Identification of the central intermediate in the extra-embryonic to embryonic endoderm transition through single-cell transcriptomics. Nature Cell Biology, 2022, 24, 833-844.	10.3	15
45	Microspheres as a vehicle for biomolecule delivery to neural stem cells. New Biotechnology, 2009, 25, 442-449.	4.4	14
46	Expression-independent gene trap vectors for random and targeted mutagenesis in embryonic stem cells. Nucleic Acids Research, 2009, 37, e129-e129.	14.5	12
47	A novel triple fusion reporter system for use in gene trap mutagenesis. Genesis, 2007, 45, 353-360.	1.6	11
48	Transcriptional regulation of Hhex in hematopoiesis and hematopoietic stem cell ontogeny. Developmental Biology, 2017, 424, 236-245.	2.0	11
49	Long-term feeder-free culture of human pancreatic progenitors on fibronectin or matrix-free polymer potentiates Î² cell differentiation. Stem Cell Reports, 2022, 17, 1215-1228.	4.8	11
50	Differentiation of Embryonic Stem Cells into Anterior Definitive Endoderm. Current Protocols in Stem Cell Biology, 2009, 10, Unit 1G.3.	3.0	10
51	A Wider Context for Gene Trap Mutagenesis. Methods in Enzymology, 2010, 477, 271-295.	1.0	9
52	Genetic Deletion of Hesx1 Promotes Exit from the Pluripotent State and Impairs Developmental Diapause. Stem Cell Reports, 2019, 13, 970-979.	4.8	9
53	Surveillance for Secure Differentiation. Cell Stem Cell, 2017, 20, 3-5.	11.1	7
54	Oct4: The Final Frontier, Differentiation Defining Pluripotency. Developmental Cell, 2013, 25, 547-548.	7.0	5

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55	Resolving Heterogeneity: Fluorescence-Activated Cell Sorting of Dynamic Cell Populations from Feeder-Free Mouse Embryonic Stem Cell Culture. Methods in Molecular Biology, 2015, 1341, 25-40.	0.9	3
56	Differentiation of Mouse Embryonic Stem Cells into Ventral Foregut Precursors. Current Protocols in Stem Cell Biology, 2016, 36, 1G.3.1-1G.3.12.	3.0	3
57	Can a Cell Put Its Arms around a Memory?. Cell Stem Cell, 2020, 26, 609-610.	11.1	3
58	An automated microfluidic device for time-lapse imaging of mouse embryonic stem cells. Biomicrofluidics, 2019, 13, 054102.	2.4	2
59	Survival of the fattest. ELife, 2013, 2, e01760.	6.0	2
60	Changes in Cell Morphology and Actin Organization in Embryonic Stem Cells Cultured under Different Conditions. Cells, 2021, 10, 2859.	4.1	2
61	Differentiation and Expansion of Human Extra-Embryonic Endoderm Cell Lines from NaÃ¯ve Pluripotent Stem Cells. Methods in Molecular Biology, 2022, 2416, 105-116.	0.9	1
62	Optical quantification of forces at play during stem cell differentiation. , 2016, , .		0