Joshua M Brickman

List of Publications by Year
in descending order

62 papers	4,089 citations	147801 31 h-index	123424 61 g-index
71 all docs	71 docs citations	71 times ranked	5097 citing authors

#	Article	IF	Citations
1	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
2	Cell-state transitions and collective cell movement generate an endoderm-like region in gastruloids. ELife, 2022, 11, .	6.0	32
3	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
4	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
5	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
6	Changes in Cell Morphology and Actin Organization in Embryonic Stem Cells Cultured under Different Conditions. Cells, 2021, 10, 2859.	4.1	2
7	From pluripotency to totipotency: an experimentalist's guide to cellular potency. Development (Cambridge), 2020, 147, .	2.5	47
8	Can a Cell Put Its Arms around a Memory?. Cell Stem Cell, 2020, 26, 609-610.	11.1	3
9	Dynamic lineage priming is driven via direct enhancer regulation by ERK. Nature, 2019, 575, 355-360.	27.8	64
10	An automated microfluidic device for time-lapse imaging of mouse embryonic stem cells. Biomicrofluidics, 2019, 13, 054102.	2.4	2
11	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
12	Genetic Deletion of Hesx1 Promotes Exit from the Pluripotent State and Impairs Developmental Diapause. Stem Cell Reports, 2019, 13, 970-979.	4.8	9
13	Time-Resolved Analysis Reveals Rapid Dynamics and Broad Scope of the CBP/p300 Acetylome. Cell, 2018, 174, 231-244.e12.	28.9	313
14	HHEX is a transcriptional regulator of the VEGFC/FLT4/PROX1 signaling axis during vascular development. Nature Communications, 2018, 9, 2704.	12.8	70
15	Transcriptional regulation of Hhex in hematopoiesis and hematopoietic stem cell ontogeny. Developmental Biology, 2017, 424, 236-245.	2.0	11
16	Properties of embryoid bodies. Wiley Interdisciplinary Reviews: Developmental Biology, 2017, 6, e259.	5.9	76
17	Surveillance for Secure Differentiation. Cell Stem Cell, 2017, 20, 3-5.	11.1	7
18	Insulin fine-tunes self-renewal pathways governing naive pluripotency and extra-embryonic endoderm. Nature Cell Biology, 2017, 19, 1164-1177.	10.3	67

#	Article	IF	Citations
19	Four simple rules that are sufficient to generate the mammalian blastocyst. PLoS Biology, 2017, 15, e2000737.	5.6	44
20	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
21	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
22	Optical quantification of forces at play during stem cell differentiation. , 2016, , .		0
23	Polycomb enables primitive endoderm lineage priming in embryonic stem cells. ELife, 2016, 5, .	6.0	28
24	LIF supports primitive endoderm expansion during pre-implantation development. Development (Cambridge), 2015, 142, 3488-99.	2.5	52
25	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
26	Gro/TLE enables embryonic stem cell differentiation by repressing pluripotent gene expression. Developmental Biology, 2015, 397, 56-66.	2.0	25
27	The molecular underpinnings of totipotency. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130549.	4.0	31
28	Erk Signaling Suppresses Embryonic Stem Cell Self-Renewal to Specify Endoderm. Cell Reports, 2014, 9, 2056-2070.	6.4	96
29	The POU-er of gene nomenclature. Development (Cambridge), 2014, 141, 2921-2923.	2.5	33
30	Totipotent Embryonic Stem Cells Arise in Ground-State Culture Conditions. Cell Reports, 2013, 3, 1945-1957.	6.4	207
31	A Conserved Oct4/POUV-Dependent Network Links Adhesion and Migration to Progenitor Maintenance. Current Biology, 2013, 23, 2233-2244.	3.9	41
32	Oct4: The Final Frontier, Differentiation Defining Pluripotency. Developmental Cell, 2013, 25, 547-548.	7.0	5
33	PI3K/Akt1 signalling specifies foregut precursors by generating regionalized extra-cellular matrix. ELife, 2013, 2, e00806.	6.0	32
34	Survival of the fattest. ELife, 2013, 2, e01760.	6.0	2
35	Transcriptional Activation by Oct4 Is Sufficient for the Maintenance and Induction of Pluripotency. Cell Reports, 2012, 1, 99-109.	6.4	61
36	HOXB4 Can Enhance the Differentiation of Embryonic Stem Cells by Modulating the Hematopoietic Niche. Stem Cells, 2012, 30, 150-160.	3.2	25

#	Article	IF	Citations
37	Gene expression heterogeneities in embryonic stem cell populations: origin and function. Current Opinion in Cell Biology, 2011, 23, 650-656.	5.4	96
38	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
39	Functional Heterogeneity of Embryonic Stem Cells Revealed through Translational Amplification of an Early Endodermal Transcript. PLoS Biology, 2010, 8, e1000379.	5.6	219
40	A Wider Context for Gene Trap Mutagenesis. Methods in Enzymology, 2010, 477, 271-295.	1.0	9
41	Investigation of microsphere-mediated cellular delivery by chemical, microscopic and gene expression analysis. Molecular BioSystems, 2010, 6, 399-409.	2.9	34
42	Expression-independent gene trap vectors for random and targeted mutagenesis in embryonic stem cells. Nucleic Acids Research, 2009, 37, e129-e129.	14.5	12
43	Microsphereâ€Mediated Protein Delivery into Cells. ChemBioChem, 2009, 10, 1453-1456.	2.6	27
44	Microspheres as a vehicle for biomolecule delivery to neural stem cells. New Biotechnology, 2009, 25, 442-449.	4.4	14
45	Microsphere-based tracing and molecular delivery in embryonic stem cells. Biomaterials, 2009, 30, 5853-5861.	11.4	28
46	Differentiation of Embryonic Stem Cells into Anterior Definitive Endoderm. Current Protocols in Stem Cell Biology, 2009, 10, Unit 1G.3.	3.0	10
47	Anterior Definitive Endoderm from ESCs Reveals a Role for FGF Signaling. Cell Stem Cell, 2008, 3, 402-415.	11.1	113
48	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
49	A novel triple fusion reporter system for use in gene trap mutagenesis. Genesis, 2007, 45, 353-360.	1.6	11
50	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
51	Conserved roles for Oct4 homologues in maintaining multipotency during early vertebrate development. Development (Cambridge), 2006, 133, 2011-2022.	2.5	144
52	Characterizing Embryonic Gene Expression Patterns in the Mouse Using Nonredundant Sequence-Based Selection. Genome Research, 2003, 13, 2609-2620.	5.5	27
53	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
54	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

#	Article	IF	Citations
55	Pluripotency and tumorigenicity. Nature Genetics, 2002, 32, 557-558.	21.4	40
56	Molecular effects of novel mutations in<i>Hesx1/HESX1</i>associated with human pituitary disorders. Development (Cambridge), 2001, 128, 5189-5199.	2.5	118
57	Molecular Genetics of Septo-Optic Dysplasia. Hormone Research in Paediatrics, 2000, 53, 26-33.	1.8	15
58	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
59	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
60	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
61	An HMG-like protein that can switch a transcriptional activator to a repressor. Nature, 1994, 371, 175-179.	27.8	229
62	New eukaryotic transcriptional repressers. Nature, 1993, 363, 648-652.	27.8	92