

James Ellis

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96
papers

6,157
citations

38
h-index

78
g-index

132
ext. papers

7,047
ext. citations

10.6
avg, IF

5.43
L-index

#	Paper	IF	Citations
96	Stage-specific optimization of activin/nodal and BMP signaling promotes cardiac differentiation of mouse and human pluripotent stem cell lines. <i>Cell Stem Cell</i> , 2011 , 8, 228-40	18	865
95	Correction of sickle cell disease in transgenic mouse models by gene therapy. <i>Science</i> , 2001 , 294, 2368-71	33.3	454
94	A chemical probe selectively inhibits G9a and GLP methyltransferase activity in cells. <i>Nature Chemical Biology</i> , 2011 , 7, 566-74	11.7	386
93	Directed differentiation of human pluripotent stem cells into mature airway epithelia expressing functional CFTR protein. <i>Nature Biotechnology</i> , 2012 , 30, 876-82	44.5	292
92	Silencing and variegation of gammaretrovirus and lentivirus vectors. <i>Human Gene Therapy</i> , 2005 , 16, 1241-6	4.8	279
91	Isolation of human iPS cells using EOS lentiviral vectors to select for pluripotency. <i>Nature Methods</i> , 2009 , 6, 370-6	21.6	234
90	MBNL proteins repress ES-cell-specific alternative splicing and reprogramming. <i>Nature</i> , 2013 , 498, 241-5	50.4	222
89	Isolation of MECP2-null Rett Syndrome patient hiPS cells and isogenic controls through X-chromosome inactivation. <i>Human Molecular Genetics</i> , 2011 , 20, 2103-15	5.6	209
88	A vertebrate Polycomb response element governs segmentation of the posterior hindbrain. <i>Cell</i> , 2009 , 138, 885-97	56.2	194
87	Silencing of gene expression: implications for design of retrovirus vectors. <i>Reviews in Medical Virology</i> , 2001 , 11, 205-17	11.7	148
86	Retroviral vector silencing during iPS cell induction: an epigenetic beacon that signals distinct pluripotent states. <i>Journal of Cellular Biochemistry</i> , 2008 , 105, 940-8	4.7	131
85	Open and closed domains in the mouse genome are configured as 10-nm chromatin fibres. <i>EMBO Reports</i> , 2012 , 13, 992-6	6.5	125
84	Retrovirus vector silencing is de novo methylase independent and marked by a repressive histone code. <i>EMBO Journal</i> , 2000 , 19, 5884-94	13	122
83	Constitutive heterochromatin reorganization during somatic cell reprogramming. <i>EMBO Journal</i> , 2011 , 30, 1778-89	13	116
82	Retrovirus silencing, variegation, extinction, and memory are controlled by a dynamic interplay of multiple epigenetic modifications. <i>Molecular Therapy</i> , 2004 , 10, 27-36	11.7	113
81	High-level erythroid-specific gene expression in primary human and murine hematopoietic cells with self-inactivating lentiviral vectors. <i>Blood</i> , 2001 , 98, 2664-72	2.2	102
80	Rett syndrome induced pluripotent stem cell-derived neurons reveal novel neurophysiological alterations. <i>Molecular Psychiatry</i> , 2012 , 17, 1261-71	15.1	89

79	Induced pluripotent stem cells and reprogramming: seeing the science through the hype. <i>Nature Reviews Genetics</i> , 2009 , 10, 878-83	30.1	85
78	iPS cells to model CDKL5-related disorders. <i>European Journal of Human Genetics</i> , 2011 , 19, 1246-55	5.3	71
77	EOS lentiviral vector selection system for human induced pluripotent stem cells. <i>Nature Protocols</i> , 2009 , 4, 1828-44	18.8	67
76	MECP2e1 isoform mutation affects the form and function of neurons derived from Rett syndrome patient iPS cells. <i>Neurobiology of Disease</i> , 2015 , 76, 37-45	7.5	65
75	SHANK2 mutations associated with autism spectrum disorder cause hyperconnectivity of human neurons. <i>Nature Neuroscience</i> , 2019 , 22, 556-564	25.5	63
74	Alternative induced pluripotent stem cell characterization criteria for in vitro applications. <i>Cell Stem Cell</i> , 2009 , 4, 198-9; author reply 202	18	59
73	Complete Disruption of Autism-Susceptibility Genes by Gene Editing Predominantly Reduces Functional Connectivity of Isogenic Human Neurons. <i>Stem Cell Reports</i> , 2018 , 11, 1211-1225	8	58
72	Modeling and rescue of the vascular phenotype of Williams-Beuren syndrome in patient induced pluripotent stem cells. <i>Stem Cells Translational Medicine</i> , 2013 , 2, 2-15	6.9	56
71	MECP2 isoform-specific vectors with regulated expression for Rett syndrome gene therapy. <i>PLoS ONE</i> , 2009 , 4, e6810	3.7	55
70	Retrovirus silencing and vector design: relevance to normal and cancer stem cells?. <i>Current Gene Therapy</i> , 2005 , 5, 367-73	4.3	54
69	The beta-globin locus control region enhances transcription of but does not confer position-independent expression onto the lacZ gene in transgenic mice.. <i>EMBO Journal</i> , 1996 , 15, 3713-3721	12.1	53
68	Retrovirus silencer blocking by the cHS4 insulator is CTCF independent. <i>Nucleic Acids Research</i> , 2003 , 31, 5317-23	20.1	52
67	The regulation of human globin gene switching. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1993 , 339, 183-91	5.8	51
66	Optimizing neuronal differentiation from induced pluripotent stem cells to model ASD. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 109	6.1	47
65	Transgenic mouse overexpressing syntaxin-1A as a diabetes model. <i>Diabetes</i> , 2005 , 54, 2744-54	0.9	46
64	Amelioration of retroviral vector silencing in locus control region beta-globin-transgenic mice and transduced F9 embryonic cells. <i>Journal of Virology</i> , 1999 , 73, 5490-6	6.6	44
63	MECP2 Is Post-transcriptionally Regulated during Human Neurodevelopment by Combinatorial Action of RNA-Binding Proteins and miRNAs. <i>Cell Reports</i> , 2016 , 17, 720-734	10.6	44
62	Nuclear matrix association of the human beta-globin locus utilizing a novel approach to quantitative real-time PCR. <i>Nucleic Acids Research</i> , 2003 , 31, 3257-66	20.1	43

61	or human iPSC-derived neurons from individuals with autism develop hyperactive neuronal networks. <i>ELife</i> , 2019 , 8,	8.9	41
60	Preclinical target validation using patient-derived cells. <i>Nature Reviews Drug Discovery</i> , 2015 , 14, 149-50	64.1	40
59	Ataxia-telangiectasia mutated (ATM) deficiency decreases reprogramming efficiency and leads to genomic instability in iPS cells. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 407, 321-6	3.4	39
58	The Personal Genome Project Canada: findings from whole genome sequences of the inaugural 56 participants. <i>Cmaj</i> , 2018 , 190, E126-E136	3.5	37
57	The pluripotency factor Nanog regulates pericentromeric heterochromatin organization in mouse embryonic stem cells. <i>Genes and Development</i> , 2016 , 30, 1101-15	12.6	37
56	X-chromosome inactivation in rett syndrome human induced pluripotent stem cells. <i>Frontiers in Psychiatry</i> , 2012 , 3, 24	5	35
55	Cartilage tissue engineering identifies abnormal human induced pluripotent stem cells. <i>Scientific Reports</i> , 2013 , 3, 1978	4.9	35
54	Full Activity From Human β Globin Locus Control Region Transgenes Requires 5'HS1, Distal β Globin Promoter, and 3' β Globin Sequences. <i>Blood</i> , 1998 , 92, 653-663	2.2	32
53	Synaptic Dysfunction in Human Neurons With Autism-Associated Deletions in PTCHD1-AS. <i>Biological Psychiatry</i> , 2020 , 87, 139-149	7.9	32
52	Human induced pluripotent stem cell-derived lung progenitor and alveolar epithelial cells attenuate hyperoxia-induced lung injury. <i>Cytotherapy</i> , 2018 , 20, 108-125	4.8	31
51	Evaluation of beta-globin gene therapy constructs in single copy transgenic mice. <i>Nucleic Acids Research</i> , 1997 , 25, 1296-302	20.1	31
50	Introduction of specific point mutations into RNA polymerase II by gene targeting in mouse embryonic stem cells: evidence for a DNA mismatch repair mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990 , 87, 4680-4	11.5	31
49	Retrovirus vectors containing an internal attachment site: evidence that circles are not intermediates to murine retrovirus integration. <i>Journal of Virology</i> , 1989 , 63, 2844-6	6.6	30
48	eGFP reporter genes silence LCRbeta-globin transgene expression via CpG dinucleotides. <i>Molecular Therapy</i> , 2005 , 11, 591-9	11.7	29
47	Reprogramming progeria fibroblasts re-establishes a normal epigenetic landscape. <i>Aging Cell</i> , 2017 , 16, 870-887	9.9	28
46	Targeting of pancreatic glia in type 1 diabetes. <i>Diabetes</i> , 2008 , 57, 918-28	0.9	27
45	A rapid screening procedure for the identification of high-titer retrovirus packaging clones. <i>Gene Therapy</i> , 1997 , 4, 744-9	4	26
44	The beta-globin locus control region versus gene therapy vectors: a struggle for expression. <i>Clinical Genetics</i> , 2001 , 59, 17-24	4	26

43	Spatiotemporal Proteomic Profiling of Human Cerebral Development. <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 1548-1562	7.6	25
42	iPSC technology: platform for drug discovery. <i>Point. Clinical Pharmacology and Therapeutics</i> , 2011 , 89, 639-41	6.1	24
41	Human induced pluripotent stem cell derived neurons as a model for Williams-Beuren syndrome. <i>Molecular Brain</i> , 2015 , 8, 77	4.5	22
40	Epigenetics of induced pluripotency, the seven-headed dragon. <i>Stem Cell Research and Therapy</i> , 2010 , 1, 3	8.3	22
39	Retrovirus silencing by an epigenetic TRIM. <i>Cell</i> , 2007 , 131, 13-4	56.2	22
38	Coding regions affect mRNA stability in human cells. <i>Rna</i> , 2019 , 25, 1751-1764	5.8	21
37	Real-time fluorescence tracking of dynamic transgene variegation in stem cells. <i>Molecular Therapy</i> , 2007 , 15, 810-7	11.7	21
36	Regulation of human globin gene switching. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1993 , 58, 7-13	3.9	21
35	Locus control region activity by 5'HS3 requires a functional interaction with β globin gene regulatory elements: expression of novel β globin hybrid transgenes. <i>Blood</i> , 2000 , 95, 3242-3249	2.2	20
34	Fyn Kinase regulates GluN2B subunit-dominant NMDA receptors in human induced pluripotent stem cell-derived neurons. <i>Scientific Reports</i> , 2016 , 6, 23837	4.9	19
33	Shifts in Ribosome Engagement Impact Key Gene Sets in Neurodevelopment and Ubiquitination in Rett Syndrome. <i>Cell Reports</i> , 2020 , 30, 4179-4196.e11	10.6	18
32	Kinetics and epigenetics of retroviral silencing in mouse embryonic stem cells defined by deletion of the D4Z4 element. <i>Molecular Therapy</i> , 2013 , 21, 1536-50	11.7	18
31	Benefits of utilizing gene-modified iPSCs for clinical applications. <i>Cell Stem Cell</i> , 2010 , 7, 429-30	18	17
30	"Agouti NOD": identification of a CBA-derived Idd locus on Chromosome 7 and its use for chimera production with NOD embryonic stem cells. <i>Mammalian Genome</i> , 2005 , 16, 775-83	3.2	17
29	Generation of infant- and pediatric-derived urinary induced pluripotent stem cells competent to form kidney organoids. <i>Pediatric Research</i> , 2020 , 87, 647-655	3.2	17
28	Retinoblastoma gene promoter directs transgene expression exclusively to the nervous system. <i>Journal of Biological Chemistry</i> , 2001 , 276, 593-600	5.4	16
27	Unexpected acceleration of type 1 diabetes by transgenic expression of B7-H1 in NOD mouse peri-islet glia. <i>Diabetes</i> , 2010 , 59, 2588-96	0.9	15
26	Control of Long-Term Synaptic Potentiation and Learning by Alternative Splicing of the NMDA Receptor Subunit GluN1. <i>Cell Reports</i> , 2019 , 29, 4285-4294.e5	10.6	14

25	Over-expression of either MECP2_e1 or MECP2_e2 in neuronally differentiated cells results in different patterns of gene expression. <i>PLoS ONE</i> , 2014 , 9, e91742	3.7	13
24	Methylglyoxal couples metabolic and translational control of Notch signalling in mammalian neural stem cells. <i>Nature Communications</i> , 2020 , 11, 2018	17.4	10
23	LCR-regulated transgene expression levels depend on the Oct-1 site in the AT-rich region of beta-globin intron-2. <i>Blood</i> , 2003 , 101, 1603-10	2.2	10
22	Deviation of islet autoreactivity to cryptic epitopes protects NOD mice from diabetes. <i>European Journal of Immunology</i> , 2003 , 33, 546-55	6.1	10
21	Everolimus Rescues the Phenotype of Elastin Insufficiency in Patient Induced Pluripotent Stem Cell-Derived Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 1325-1339	9.4	9
20	Beta-globin LCR and intron elements cooperate and direct spatial reorganization for gene therapy. <i>PLoS Genetics</i> , 2008 , 4, e1000051	6	8
19	Initiation of DNA replication at the human beta-globin 3Q enhancer. <i>Nucleic Acids Research</i> , 2005 , 33, 4412-24	2.4	7
18	Modeling complex neuropsychiatric disease with induced pluripotent stem cells. <i>F1000 Biology Reports</i> , 2010 , 2, 84		7
17	Machine Learning Identifies Clinical and Genetic Factors Associated With Anthracycline Cardiotoxicity in Pediatric Cancer Survivors. <i>JACC: CardioOncology</i> , 2020 , 2, 690-706	3.8	6
16	Precision Health Resource of Control iPSC Lines for Versatile Multilineage Differentiation. <i>Stem Cell Reports</i> , 2019 , 13, 1126-1141	8	6
15	Personalized Medicine in the Genomics Era: highlights from an international symposium on childhood heart disease. <i>Future Cardiology</i> , 2012 , 8, 157-60	1.3	5
14	JAGGED1/NOTCH3 activation promotes aortic hypermuscularization and stenosis in elastin deficiency.. <i>Journal of Clinical Investigation</i> , 2022 ,	15.9	4
13	Rapid transcriptional pulsing dynamics of high expressing retroviral transgenes in embryonic stem cells. <i>PLoS ONE</i> , 2012 , 7, e37130	3.7	4
12	5QHS1 and the distal beta-globin promoter functionally interact in single copy beta-globin transgenic mice. <i>Annals of the New York Academy of Sciences</i> , 1998 , 850, 377-81	6.5	3
11	Whole genome sequencing delineates regulatory and novel genic variants in childhood cardiomyopathy		3
10	Full Activity From Human β Globin Locus Control Region Transgenes Requires 5'HS1, Distal β Globin Promoter, and 3' β Globin Sequences. <i>Blood</i> , 1998 , 92, 653-663	2.2	2
9	Modeling neuronal consequences of autism-associated gene regulatory variants with human induced pluripotent stem cells. <i>Molecular Autism</i> , 2020 , 11, 33	6.5	1
8	Wide phenotypic spectrum of human stem cell-derived excitatory neurons with Rett syndrome-associated MECP2 mutations		1

7	Regulation, diversity and function of MECP2 exon and 3'UTR isoforms. <i>Human Molecular Genetics</i> , 2020 , 29, R89-R99	5.6	1
6	Quantification of mRNA ribosomal engagement in human neurons using parallel translating ribosome affinity purification (TRAP) and RNA sequencing. <i>STAR Protocols</i> , 2021 , 2, 100229	1.4	1
5	Identification of TIA1 mRNA targets during human neuronal development. <i>Molecular Biology Reports</i> , 2021 , 48, 6349-6361	2.8	1
4	Whole genome sequencing delineates regulatory, copy number, and cryptic splice variants in early onset cardiomyopathy.. <i>Npj Genomic Medicine</i> , 2022 , 7, 18	6.2	0
3	Alternative polyadenylation is a determinant of oncogenic Ras function.. <i>Science Advances</i> , 2021 , 7, eabg0562	0.5	0
2	Locus control region activity by 5'HS3 requires a functional interaction with β globin gene regulatory elements: expression of novel β globin hybrid transgenes. <i>Blood</i> , 2000 , 95, 3242-3249	2.2	
1	Silencing and Variegation of Gammaretrovirus and Lentivirus Vectors. <i>Human Gene Therapy</i> , 2005 , 0509248-051001	1.6	155001