James Ellis

List of Publications by Year in Descending Order

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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	JAGGED1/NOTCH3 activation promotes aortic hypermuscularization and stenosis in elastin deficiency.. *Journal of Clinical Investigation*, **2022**,	15.9	4
95	Whole genome sequencing delineates regulatory, copy number, and cryptic splice variants in early onset cardiomyopathy.. *Npj Genomic Medicine*, **2022**, 7, 18	6.2	0
94	Quantification of mRNA ribosomal engagement in human neurons using parallel translating ribosome affinity purification (TRAP) and RNA sequencing. *STAR Protocols*, **2021**, 2, 100229	1.4	1
93	Identification of TIA1 mRNA targets during human neuronal development. *Molecular Biology Reports*, **2021**, 48, 6349-6361	2.8	1
92	Alternative polyadenylation is a determinant of oncogenic Ras function.. *Science Advances*, **2021**, 7, eabh0562	14.9	0
91	Modeling neuronal consequences of autism-associated gene regulatory variants with human induced pluripotent stem cells. *Molecular Autism*, **2020**, 11, 33	6.5	1
90	Shifts in Ribosome Engagement Impact Key Gene Sets in Neurodevelopment and Ubiquitination in Rett Syndrome. *Cell Reports*, **2020**, 30, 4179-4196.e11	10.6	18
89	Everolimus Rescues the Phenotype of Elastin Insufficiency in Patient Induced Pluripotent Stem Cell-Derived Vascular Smooth Muscle Cells. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2020**, 40, 1325-1339	9.4	9
88	Methylglyoxal couples metabolic and translational control of Notch signalling in mammalian neural stem cells. *Nature Communications*, **2020**, 11, 2018	17.4	10
87	Machine Learning Identifies Clinical and Genetic Factors Associated With Anthracycline Cardiotoxicity in Pediatric Cancer Survivors. *JACC: CardioOncology*, **2020**, 2, 690-706	3.8	6
86	Regulation, diversity and function of MECP2 exon and 3UTR isoforms. *Human Molecular Genetics*, **2020**, 29, R89-R99	5.6	1
85	Generation of infant- and pediatric-derived urinary induced pluripotent stem cells competent to form kidney organoids. *Pediatric Research*, **2020**, 87, 647-655	3.2	17
84	Synaptic Dysfunction in Human Neurons With Autism-Associated Deletions in PTCHD1-AS. *Biological Psychiatry*, **2020**, 87, 139-149	7.9	32
83	Coding regions affect mRNA stability in human cells. *Rna*, **2019**, 25, 1751-1764	5.8	21
82	SHANK2 mutations associated with autism spectrum disorder cause hyperconnectivity of human neurons. *Nature Neuroscience*, **2019**, 22, 556-564	25.5	63
81	or human iPSC-derived neurons from individuals with autism develop hyperactive neuronal networks. *ELife*, **2019**, 8,	8.9	41
80	Control of Long-Term Synaptic Potentiation and Learning by Alternative Splicing of the NMDA Receptor Subunit GluN1. *Cell Reports*, **2019**, 29, 4285-4294.e5	10.6	14

79	Precision Health Resource of Control iPSC Lines for Versatile Multilineage Differentiation. *Stem Cell Reports*, **2019**, 13, 1126-1141	8	6
78	The Personal Genome Project Canada: findings from whole genome sequences of the inaugural 56 participants. *Cmaj*, **2018**, 190, E126-E136	3.5	37
77	Human induced pluripotent stem cell-derived lung progenitor and alveolar epithelial cells attenuate hyperoxia-induced lung injury. *Cytotherapy*, **2018**, 20, 108-125	4.8	31
76	Complete Disruption of Autism-Susceptibility Genes by Gene Editing Predominantly Reduces Functional Connectivity of Isogenic Human Neurons. *Stem Cell Reports*, **2018**, 11, 1211-1225	8	58
75	Reprogramming progeria fibroblasts re-establishes a normal epigenetic landscape. *Aging Cell*, **2017** , 16, 870-887	9.9	28
74	Spatiotemporal Proteomic Profiling of Human Cerebral Development. *Molecular and Cellular Proteomics*, **2017**, 16, 1548-1562	7.6	25
73	Fyn Kinase regulates GluN2B subunit-dominant NMDA receptors in human induced pluripotent stem cell-derived neurons. *Scientific Reports*, **2016**, 6, 23837	4.9	19
72	The pluripotency factor Nanog regulates pericentromeric heterochromatin organization in mouse embryonic stem cells. *Genes and Development*, **2016**, 30, 1101-15	12.6	37
71	MECP2 Is Post-transcriptionally Regulated during Human Neurodevelopment by Combinatorial Action of RNA-Binding Proteins and miRNAs. *Cell Reports*, **2016**, 17, 720-734	10.6	44
70	Preclinical target validation using patient-derived cells. *Nature Reviews Drug Discovery*, **2015**, 14, 149-50	64.1	40
69	Human induced pluripotent stem cell derived neurons as a model for Williams-Beuren syndrome. *Molecular Brain*, **2015**, 8, 77	4.5	22
68	MECP2e1 isoform mutation affects the form and function of neurons derived from Rett syndrome patient iPS cells. *Neurobiology of Disease*, **2015**, 76, 37-45	7.5	65
67	Over-expression of either MECP2_e1 or MECP2_e2 in neuronally differentiated cells results in different patterns of gene expression. *PLoS ONE*, **2014**, 9, e91742	3.7	13
66	Optimizing neuronal differentiation from induced pluripotent stem cells to model ASD. *Frontiers in Cellular Neuroscience*, **2014**, 8, 109	6.1	47
65	Kinetics and epigenetics of retroviral silencing in mouse embryonic stem cells defined by deletion of the D4Z4 element. *Molecular Therapy*, **2013**, 21, 1536-50	11.7	18
64	Cartilage tissue engineering identifies abnormal human induced pluripotent stem cells. *Scientific Reports*, **2013**, 3, 1978	4.9	35
63	MBNL proteins repress ES-cell-specific alternative splicing and reprogramming. *Nature*, **2013**, 498, 241-5	50.4	222
62	Modeling and rescue of the vascular phenotype of Williams-Beuren syndrome in patient induced pluripotent stem cells. *Stem Cells Translational Medicine*, **2013**, 2, 2-15	6.9	56

61	Rett syndrome induced pluripotent stem cell-derived neurons reveal novel neurophysiological alterations. *Molecular Psychiatry*, **2012**, 17, 1261-71	15.1	89
60	Directed differentiation of human pluripotent stem cells into mature airway epithelia expressing functional CFTR protein. *Nature Biotechnology*, **2012**, 30, 876-82	44.5	292
59	Personalized Medicine in the Genomics Era: highlights from an international symposium on childhood heart disease. *Future Cardiology*, **2012**, 8, 157-60	1.3	5
58	Open and closed domains in the mouse genome are configured as 10-nm chromatin fibres. *EMBO Reports*, **2012**, 13, 992-6	6.5	125
57	X-chromosome inactivation in rett syndrome human induced pluripotent stem cells. *Frontiers in Psychiatry*, **2012**, 3, 24	5	35
56	Rapid transcriptional pulsing dynamics of high expressing retroviral transgenes in embryonic stem cells. *PLoS ONE*, **2012**, 7, e37130	3.7	4
55	Ataxia-telangiectasia mutated (ATM) deficiency decreases reprogramming efficiency and leads to genomic instability in iPS cells. *Biochemical and Biophysical Research Communications*, **2011**, 407, 321-6	3.4	39
54	Stage-specific optimization of activin/nodal and BMP signaling promotes cardiac differentiation of mouse and human pluripotent stem cell lines. *Cell Stem Cell*, **2011**, 8, 228-40	18	865
53	A chemical probe selectively inhibits G9a and GLP methyltransferase activity in cells. *Nature Chemical Biology*, **2011**, 7, 566-74	11.7	386
52	iPSC technology: platform for drug discovery. Point. *Clinical Pharmacology and Therapeutics*, **2011**, 89, 639-41	6.1	24
51	Constitutive heterochromatin reorganization during somatic cell reprogramming. *EMBO Journal*, **2011**, 30, 1778-89	13	116
50	iPS cells to model CDKL5-related disorders. *European Journal of Human Genetics*, **2011**, 19, 1246-55	5.3	71
49	Isolation of MECP2-null Rett Syndrome patient hiPS cells and isogenic controls through X-chromosome inactivation. *Human Molecular Genetics*, **2011**, 20, 2103-15	5.6	209
48	Unexpected acceleration of type 1 diabetes by transgenic expression of B7-H1 in NOD mouse peri-islet glia. *Diabetes*, **2010**, 59, 2588-96	0.9	15
47	Benefits of utilizing gene-modified iPSCs for clinical applications. *Cell Stem Cell*, **2010**, 7, 429-30	18	17
46	Epigenetics of induced pluripotency, the seven-headed dragon. *Stem Cell Research and Therapy*, **2010**, 1, 3	8.3	22
45	Modeling complex neuropsychiatric disease with induced pluripotent stem cells. *F1000 Biology Reports*, **2010**, 2, 84		7
44	MECP2 isoform-specific vectors with regulated expression for Rett syndrome gene therapy. *PLoS ONE*, **2009**, 4, e6810	3.7	55

43	Isolation of human iPS cells using EOS lentiviral vectors to select for pluripotency. *Nature Methods*, **2009**, 6, 370-6	21.6	234
42	EOS lentiviral vector selection system for human induced pluripotent stem cells. *Nature Protocols*, **2009**, 4, 1828-44	18.8	67
41	Induced pluripotent stem cells and reprogramming: seeing the science through the hype. *Nature Reviews Genetics*, **2009**, 10, 878-83	30.1	85
40	A vertebrate Polycomb response element governs segmentation of the posterior hindbrain. *Cell*, **2009**, 138, 885-97	56.2	194
39	Alternative induced pluripotent stem cell characterization criteria for in vitro applications. *Cell Stem Cell*, **2009**, 4, 198-9; author reply 202	18	59
38	Targeting of pancreatic glia in type 1 diabetes. *Diabetes*, **2008**, 57, 918-28	0.9	27
37	Beta-globin LCR and intron elements cooperate and direct spatial reorganization for gene therapy. *PLoS Genetics*, **2008**, 4, e1000051	6	8
36	Retroviral vector silencing during iPS cell induction: an epigenetic beacon that signals distinct pluripotent states. *Journal of Cellular Biochemistry*, **2008**, 105, 940-8	4.7	131
35	Real-time fluorescence tracking of dynamic transgene variegation in stem cells. *Molecular Therapy*, **2007**, 15, 810-7	11.7	21
34	Retrovirus silencing by an epigenetic TRIM. *Cell*, **2007**, 131, 13-4	56.2	22
33	Initiation of DNA replication at the human beta-globin 3Qenhancer. *Nucleic Acids Research*, **2005**, 33, 4412-24	7.4	7
32	Transgenic mouse overexpressing syntaxin-1A as a diabetes model. *Diabetes*, **2005**, 54, 2744-54	0.9	46
31	Silencing and variegation of gammaretrovirus and lentivirus vectors. *Human Gene Therapy*, **2005**, 16, 1241-6	4.8	279
30	"Agouti NOD": identification of a CBA-derived Idd locus on Chromosome 7 and its use for chimera production with NOD embryonic stem cells. *Mammalian Genome*, **2005**, 16, 775-83	3.2	17
29	Retrovirus silencing and vector design: relevance to normal and cancer stem cells?. *Current Gene Therapy*, **2005**, 5, 367-73	4.3	54
28	eGFP reporter genes silence LCRbeta-globin transgene expression via CpG dinucleotides. *Molecular Therapy*, **2005**, 11, 591-9	11.7	29
27	Silencing and Variegation of Gammaretrovirus and Lentivirus Vectors. *Human Gene Therapy*, **2005**, 05092062155001	4.8	
26	Retrovirus silencing, variegation, extinction, and memory are controlled by a dynamic interplay of multiple epigenetic modifications. *Molecular Therapy*, **2004**, 10, 27-36	11.7	113

25	LCR-regulated transgene expression levels depend on the Oct-1 site in the AT-rich region of beta -globin intron-2. *Blood*, **2003**, 101, 1603-10	2.2	10
24	Deviation of islet autoreactivity to cryptic epitopes protects NOD mice from diabetes. *European Journal of Immunology*, **2003**, 33, 546-55	6.1	10
23	Retrovirus silencer blocking by the cHS4 insulator is CTCF independent. *Nucleic Acids Research*, **2003**, 31, 5317-23	20.1	52
22	Nuclear matrix association of the human beta-globin locus utilizing a novel approach to quantitative real-time PCR. *Nucleic Acids Research*, **2003**, 31, 3257-66	20.1	43
21	High-level erythroid-specific gene expression in primary human and murine hematopoietic cells with self-inactivating lentiviral vectors. *Blood*, **2001**, 98, 2664-72	2.2	102
20	The beta-globin locus control region versus gene therapy vectors: a struggle for expression. *Clinical Genetics*, **2001**, 59, 17-24	4	26
19	Silencing of gene expression: implications for design of retrovirus vectors. *Reviews in Medical Virology*, **2001**, 11, 205-17	11.7	148
18	Retinoblastoma gene promoter directs transgene expression exclusively to the nervous system. *Journal of Biological Chemistry*, **2001**, 276, 593-600	5.4	16
17	Correction of sickle cell disease in transgenic mouse models by gene therapy. *Science*, **2001**, 294, 2368-71	33.3	454
16	Retrovirus vector silencing is de novo methylase independent and marked by a repressive histone code. *EMBO Journal*, **2000**, 19, 5884-94	13	122
15	Locus control region activity by 5?HS3 requires a functional interaction with Eglobin gene regulatory elements: expression of novel Eglobin hybrid transgenes. *Blood*, **2000**, 95, 3242-3249	2.2	20
14	Locus control region activity by 5?HS3 requires a functional interaction with Eglobin gene regulatory elements: expression of novel Eglobin hybrid transgenes. *Blood*, **2000**, 95, 3242-3249	2.2	
13	Amelioration of retroviral vector silencing in locus control region beta-globin-transgenic mice and transduced F9 embryonic cells. *Journal of Virology*, **1999**, 73, 5490-6	6.6	44
12	5HS1 and the distal beta-globin promoter functionally interact in single copy beta-globin transgenic mice. *Annals of the New York Academy of Sciences*, **1998**, 850, 377-81	6.5	3
11	Full Activity From Human EGlobin Locus Control Region Transgenes Requires 5?HS1, Distal EGlobin Promoter, and 3? EGlobin Sequences. *Blood*, **1998**, 92, 653-663	2.2	32
10	Full Activity From Human EGlobin Locus Control Region Transgenes Requires 5?HS1, Distal EGlobin Promoter, and 3? EGlobin Sequences. *Blood*, **1998**, 92, 653-663	2.2	2
9	Evaluation of beta-globin gene therapy constructs in single copy transgenic mice. *Nucleic Acids Research*, **1997**, 25, 1296-302	20.1	31
8	A rapid screening procedure for the identification of high-titer retrovirus packaging clones. *Gene Therapy*, **1997**, 4, 744-9	4	26

7	The beta-globin locus control region enhances transcription of but does not confer position-independent expression onto the lacZ gene in transgenic mice.. *EMBO Journal*, **1996**, 15, 3713-3721	12	53
6	The regulation of human globin gene switching. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **1993**, 339, 183-91	5.8	51
5	Regulation of human globin gene switching. *Cold Spring Harbor Symposia on Quantitative Biology*, **1993**, 58, 7-13	3.9	21
4	Introduction of specific point mutations into RNA polymerase II by gene targeting in mouse embryonic stem cells: evidence for a DNA mismatch repair mechanism. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 4680-4	11.5	31
3	Retrovirus vectors containing an internal attachment site: evidence that circles are not intermediates to murine retrovirus integration. *Journal of Virology*, **1989**, 63, 2844-6	6.6	30
2	Wide phenotypic spectrum of human stem cell-derived excitatory neurons with Rett syndrome-associated MECP2 mutations		1
1	Whole genome sequencing delineates regulatory and novel genic variants in childhood cardiomyopathy		3