Jeffrey M Trimarchi

List of Publications by Year
in descending order

38 papers	4,022 citations	304743 22 h-index	315739 38 g-index
38 all docs	38 docs citations	38 times ranked	5329 citing authors

#	Article	IF	Citations
1	Sibling rivalry in the E2F family. Nature Reviews Molecular Cell Biology, 2002, 3, 11-20.	37.0	1,072
2	The transcriptome of retinal MÃ¼ller glial cells. Journal of Comparative Neurology, 2008, 509, 225-238.	1.6	343
3	Disentangling neural cell diversity using single-cell transcriptomics. Nature Neuroscience, 2016, 19, 1131-1141.	14.8	283
4	E2F-6, a member of the E2F family that can behave as a transcriptional repressor. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 2850-2855.	7.1	201
5	E2F4 Is Essential for Normal Erythrocyte Maturation and Neonatal Viability. Molecular Cell, 2000, 6, 281-291.	9.7	174
6	Individual Retinal Progenitor Cells Display Extensive Heterogeneity of Gene Expression. PLoS ONE, 2008, 3, e1588.	2.5	163
7	Molecular heterogeneity of developing retinal ganglion and amacrine cells revealed through single cell gene expression profiling. Journal of Comparative Neurology, 2007, 502, 1047-1065.	1.6	147
8	A sequence-oriented comparison of gene expression measurements across different hybridization-based technologies. Nature Biotechnology, 2006, 24, 832-840.	17.5	144
9	The E2F6 transcription factor is a component of the mammalian Bmi1-containing polycomb complex. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 1519-1524.	7.1	144
10	Adaptive reversion of an episomal frameshift mutation in Escherichia coli requires conjugal functions but not actual conjugation.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 5487-5490.	7.1	135
11	Transcription factor <i>Olig2</i> defines subpopulations of retinal progenitor cells biased toward specific cell fates. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7882-7887.	7.1	128
12	Coexpression of Normally Incompatible Developmental Pathways in Retinoblastoma Genesis. Cancer Cell, 2011, 20, 260-275.	16.8	123
13	Proofreading-defective DNA polymerase II increases adaptive mutation in Escherichia coli.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 7951-7955.	7.1	120
14	Otx2 and Onecut1 Promote the Fates of Cone Photoreceptors and Horizontal Cells and Repress Rod Photoreceptors. Developmental Cell, 2013, 26, 59-72.	7.0	119
15	Development and diversification of retinal amacrine interneurons at single cell resolution. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9495-9500.	7.1	110
16	Identification of molecular markers of bipolar cells in the murine retina. Journal of Comparative Neurology, 2008, 507, 1795-1810.	1.6	109
17	Transplantation of iPSC-derived TM cells rescues glaucoma phenotypes in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3492-500.	7.1	89
18	Transcriptome sequencing of single cells with Smart-Seq. Nature Biotechnology, 2012, 30, 763-765.	17.5	73

#	Article	IF	Citations
19	Thyroid hormone components are expressed in three sequential waves during development of the chick retina. BMC Developmental Biology, 2008, 8, 101.	2.1	64
20	Molecular signatures of retinal ganglion cells revealed through single cell profiling. Scientific Reports, 2019, 9, 15778.	3.3	55
21	Identification of genes expressed preferentially in the developing peripheral margin of the optic cup. Developmental Dynamics, 2009, 238, 2327-2329.	1.8	44
22	Single cell transcriptome profiling of developing chick retinal cells. Journal of Comparative Neurology, 2017, 525, 2735-2781.	1.6	25
23	Loss of Gq/11 Genes Does Not Abolish Melanopsin Phototransduction. PLoS ONE, 2014, 9, e98356.	2.5	20
24	Analysis of gene expression in wildâ€type and Notch1 mutant retinal cells by single cell profiling. Developmental Dynamics, 2013, 242, 1147-1159.	1.8	19
25	Onecut1 and Onecut2 Play Critical Roles in the Development of the Mouse Retina. PLoS ONE, 2014, 9, e110194.	2.5	16
26	Repeated evolution of eye loss in Mexican cavefish: Evidence of similar developmental mechanisms in independently evolved populations. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2020, 334, 423-437.	1.3	16
27	Temporal requirement of the alternative-splicing factor <i>Sfrs1</i>for the survival of retinal neurons. Development (Cambridge), 2008, 135, 3923-3933.	2.5	15
28	Single-cell Profiling of Developing and Mature Retinal Neurons. Journal of Visualized Experiments, 2012, , .	0.3	12
29	Complementary feature selection from alternative splicing events and gene expression for phenotype prediction. Bioinformatics, 2016, 32, i421-i429.	4.1	12
30	Making of a Retinal Cell. International Review of Cell and Molecular Biology, 2014, 308, 273-321.	3.2	8
31	Single-cell RNA-Seq of Defined Subsets of Retinal Ganglion Cells. Journal of Visualized Experiments, 2017, , .	0.3	7
32	The Trim family of genes and the retina: Expression and functional characterization. PLoS ONE, 2018, 13, e0202867.	2.5	7
33	Expression Profiling of Developing Zebrafish Retinal Cells. Zebrafish, 2016, 13, 272-280.	1.1	6
34	ALS-associated genes display CNS expression in the developing zebrafish. Gene Expression Patterns, 2018, 30, 14-31.	0.8	6
35	Validation of oligoarrays for quantitative exploration of the transcriptome. BMC Genomics, 2008, 9, 258.	2.8	5
36	Plasma-seq: a novel strategy for metastatic prostate cancer analysis. Genome Medicine, 2013, 5, 35.	8.2	5

#	Article	IF	Citations
37	Transcriptomic analyses of Onecut1 and Onecut2 deficient retinas. Genomics Data, 2015, 4, 88-89.	1.3	2
38	Polo-Like Kinase 3 Appears Dispensable for Normal Retinal Development Despite Robust Embryonic Expression. PLoS ONE, 2016, 11, e0150878.	2.5	1