

Florian T Merkle

List of Publications by Year in descending order

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33
papers

7,026
citations

304602

22
h-index

434063

31
g-index

38
all docs

38
docs citations

38
times ranked

9896
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural Stem Cells Confer Unique Pinwheel Architecture to the Ventricular Surface in Neurogenic Regions of the Adult Brain. <i>Cell Stem Cell</i> , 2008, 3, 265-278.	5.2	885
2	Mosaic Organization of Neural Stem Cells in the Adult Brain. <i>Science</i> , 2007, 317, 381-384.	6.0	730
3	Radial glia give rise to adult neural stem cells in the subventricular zone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17528-17532.	3.3	727
4	Adult Ependymal Cells Are Postmitotic and Are Derived from Radial Glial Cells during Embryogenesis. <i>Journal of Neuroscience</i> , 2005, 25, 10-18.	1.7	621
5	Directed Differentiation and Functional Maturation of Cortical Interneurons from Human Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2013, 12, 559-572.	5.2	505
6	Regional Astrocyte Allocation Regulates CNS Synaptogenesis and Repair. <i>Science</i> , 2012, 337, 358-362.	6.0	448
7	Human pluripotent stem cells recurrently acquire and expand dominant negative P53 mutations. <i>Nature</i> , 2017, 545, 229-233.	13.7	409
8	Pathways Disrupted in Human ALS Motor Neurons Identified through Genetic Correction of Mutant SOD1. <i>Cell Stem Cell</i> , 2014, 14, 781-795.	5.2	392
9	Origin and function of olfactory bulb interneuron diversity. <i>Trends in Neurosciences</i> , 2008, 31, 392-400.	4.2	366
10	Neural stem cells in mammalian development. <i>Current Opinion in Cell Biology</i> , 2006, 18, 704-709.	2.6	275
11	Adult neural stem cells in distinct microdomains generate previously unknown interneuron types. <i>Nature Neuroscience</i> , 2014, 17, 207-214.	7.1	222
12	Loss-of-function mutations in the <i>C9ORF72</i> mouse ortholog cause fatal autoimmune disease. <i>Science Translational Medicine</i> , 2016, 8, 347ra93.	5.8	217
13	Modeling Human Disease with Pluripotent Stem Cells: from Genome Association to Function. <i>Cell Stem Cell</i> , 2013, 12, 656-668.	5.2	176
14	The Heterogeneity of Adult Neural Stem Cells and the Emerging Complexity of Their Niche. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2008, 73, 357-365.	2.0	154
15	Efficient CRISPR-Cas9-Mediated Generation of Knockin Human Pluripotent Stem Cells Lacking Undesired Mutations at the Targeted Locus. <i>Cell Reports</i> , 2015, 11, 875-883.	2.9	146
16	Population-scale single-cell RNA-seq profiling across dopaminergic neuron differentiation. <i>Nature Genetics</i> , 2021, 53, 304-312.	9.4	146
17	Generation of neuropeptidergic hypothalamic neurons from human pluripotent stem cells. <i>Development (Cambridge)</i> , 2015, 142, 633-643.	1.2	131
18	Distinctive Neurons of the Anterior Cingulate and Frontoinsular Cortex: A Historical Perspective. <i>Cerebral Cortex</i> , 2012, 22, 245-250.	1.6	112

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19	The mouse C9ORF72 ortholog is enriched in neurons known to degenerate in ALS and FTD. <i>Nature Neuroscience</i> , 2013, 16, 1725-1727.	7.1	67
20	Evolutionarily conserved regulation of hypocretin neuron specification by Lhx9. <i>Development (Cambridge)</i> , 2015, 142, 1113-24.	1.2	55
21	Human BDNF/TrkB variants impair hippocampal synaptogenesis and associate with neurobehavioural abnormalities. <i>Scientific Reports</i> , 2020, 10, 9028.	1.6	40
22	Whole-genome analysis of human embryonic stem cells enables rational line selection based on genetic variation. <i>Cell Stem Cell</i> , 2022, 29, 472-486.e7.	5.2	27
23	Comprehensive Protocols for CRISPR/Cas9-based Gene Editing in Human Pluripotent Stem Cells. <i>Current Protocols in Stem Cell Biology</i> , 2016, 38, 5B.6.1-5B.6.60.	3.0	26
24	The genetic architecture of DNA replication timing in human pluripotent stem cells. <i>Nature Communications</i> , 2021, 12, 6746.	5.8	26
25	Generation and Characterization of Functional Human Hypothalamic Neurons. <i>Current Protocols in Neuroscience</i> , 2017, 81, 3.33.1-3.33.24.	2.6	21
26	Quantitative mass spectrometry for human melanocortin peptides in vitro and in vivo suggests prominent roles for I ² -MSH and desacetyl I [±] -MSH in energy homeostasis. <i>Molecular Metabolism</i> , 2018, 17, 82-97.	3.0	21
27	Functional heterogeneity of POMC neurons relies on mTORC1 signaling. <i>Cell Reports</i> , 2021, 37, 109800.	2.9	19
28	Proopiomelanocortin Processing in the Hypothalamus Is Directly Regulated by Saturated Fat: Implications for the Development of Obesity. <i>Neuroendocrinology</i> , 2020, 110, 92-104.	1.2	16
29	Rapid sensing of l-leucine by human and murine hypothalamic neurons: Neurochemical and mechanistic insights. <i>Molecular Metabolism</i> , 2018, 10, 14-27.	3.0	12
30	The Use of Electronic Consent for COVID-19 Clinical Trials: Lessons for Emergency Care Research During a Pandemic and Beyond. <i>Academic Emergency Medicine</i> , 2020, 27, 1183-1186.	0.8	11
31	A comparative transcriptomic analysis of glucagon-like peptide-1 receptor- and glucose-dependent insulinotropic polypeptide receptor-expressing cells in the hypothalamus. <i>Appetite</i> , 2022, 174, 106022.	1.8	11
32	Culturing human pluripotent stem cells from diverse culture histories. <i>Protocol Exchange</i> , 0, , .	0.3	1
33	Science shines in a new virtual SY-Stem. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	0