

Matthias Heidenreich

List of Publications by Year in descending order

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13
papers

4,964
citations

687363

13
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

9478
citing authors

#	ARTICLE	IF	CITATIONS
1	Place fields of single spikes in hippocampus involve Kcnq3 channel-dependent entrainment of complex spike bursts. <i>Nature Communications</i> , 2021, 12, 4801.	12.8	6
2	Effects of 3D culturing conditions on the transcriptomic profile of stem-cell-derived neurons. <i>Nature Biomedical Engineering</i> , 2018, 2, 540-554.	22.5	78
3	Multiplex gene editing by CRISPR-Cpf1 using a single crRNA array. <i>Nature Biotechnology</i> , 2017, 35, 31-34.	17.5	736
4	Div-Seq: Single-nucleus RNA-Seq reveals dynamics of rare adult newborn neurons. <i>Science</i> , 2016, 353, 925-928.	12.6	482
5	Applications of CRISPR-Cas systems in neuroscience. <i>Nature Reviews Neuroscience</i> , 2016, 17, 36-44.	10.2	245
6	KCNQ5 K+ channels control hippocampal synaptic inhibition and fast network oscillations. <i>Nature Communications</i> , 2015, 6, 6254.	12.8	56
7	In vivo interrogation of gene function in the mammalian brain using CRISPR-Cas9. <i>Nature Biotechnology</i> , 2015, 33, 102-106.	17.5	675
8	CRISPR-Cas9 Knockin Mice for Genome Editing and Cancer Modeling. <i>Cell</i> , 2014, 159, 440-455.	28.9	1,566
9	Stretch-Activation of Angiotensin II Type 1 Receptors Contributes to the Myogenic Response of Mouse Mesenteric and Renal Arteries. <i>Circulation Research</i> , 2014, 115, 263-272.	4.5	108
10	Optical control of mammalian endogenous transcription and epigenetic states. <i>Nature</i> , 2013, 500, 472-476.	27.8	733
11	Vestibular Role of KCNQ4 and KCNQ5 K+ Channels Revealed by Mouse Models. <i>Journal of Biological Chemistry</i> , 2013, 288, 9334-9344.	3.4	36
12	KCNQ4 K+ channels tune mechanoreceptors for normal touch sensation in mouse and man. <i>Nature Neuroscience</i> , 2012, 15, 138-145.	14.8	95
13	The KCNQ5 potassium channel mediates a component of the afterhyperpolarization current in mouse hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10232-10237.	7.1	106