

Fabian H Sinz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3041168/publications.pdf>

Version: 2024-02-01

19
papers

2,077
citations

687363

13
h-index

839539

18
g-index

35
all docs

35
docs citations

35
times ranked

2879
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous spike-time locking to multiple frequencies. <i>Journal of Neurophysiology</i> , 2020, 123, 2355-2372.	1.8	7
2	Tracking activity patterns of a multispecies community of gymnotiform weakly electric fish in their neotropical habitat without tagging. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	23
3	Cell type composition and circuit organization of clonally related excitatory neurons in the juvenile mouse neocortex. <i>ELife</i> , 2020, 9, .	6.0	37
4	Engineering a Less Artificial Intelligence. <i>Neuron</i> , 2019, 103, 967-979.	8.1	113
5	Inception loops discover what excites neurons most using deep predictive models. <i>Nature Neuroscience</i> , 2019, 22, 2060-2065.	14.8	104
6	Response to Comment on "Principles of connectivity among morphologically defined cell types in adult neocortex". <i>Science</i> , 2016, 353, 1108-1108.	12.6	13
7	Alternative Splicing Substantially Diversifies the Transcriptome during Early Photomorphogenesis and Correlates with the Energy Availability in Arabidopsis. <i>Plant Cell</i> , 2016, 28, 2715-2734.	6.6	97
8	Principles of connectivity among morphologically defined cell types in adult neocortex. <i>Science</i> , 2015, 350, aac9462.	12.6	736
9	Encoding of social signals in all three electrosensory pathways of <i>Eigenmannia virescens</i> . <i>Journal of Neurophysiology</i> , 2014, 112, 2076-2091.	1.8	17
10	Population code in mouse V1 facilitates readout of natural scenes through increased sparseness. <i>Nature Neuroscience</i> , 2014, 17, 851-857.	14.8	167
11	What Is the Limit of Redundancy Reduction with Divisive Normalization?. <i>Neural Computation</i> , 2013, 25, 2809-2814.	2.2	4
12	Temporal Adaptation Enhances Efficient Contrast Gain Control on Natural Images. <i>PLoS Computational Biology</i> , 2013, 9, e1002889.	3.2	23
13	Lower bounds on the redundancy of natural images. <i>Vision Research</i> , 2010, 50, 2213-2222.	1.4	16
14	Natural Image Coding in V1: How Much Use Is Orientation Selectivity?. <i>PLoS Computational Biology</i> , 2009, 5, e1000336.	3.2	38
15	Characterization of the p-generalized normal distribution. <i>Journal of Multivariate Analysis</i> , 2009, 100, 817-820.	1.0	16
16	Trading convexity for scalability. , 2006, , .		179
17	Inference with the Universum. , 2006, , .		128
18	Learning Depth from Stereo. <i>Lecture Notes in Computer Science</i> , 2004, , 245-252.	1.3	28

#	ARTICLE	IF	CITATIONS
19	Likelihood Estimation in Deep Belief Networks. <i>Frontiers in Computational Neuroscience</i> , 0, 4, .	2.1	0