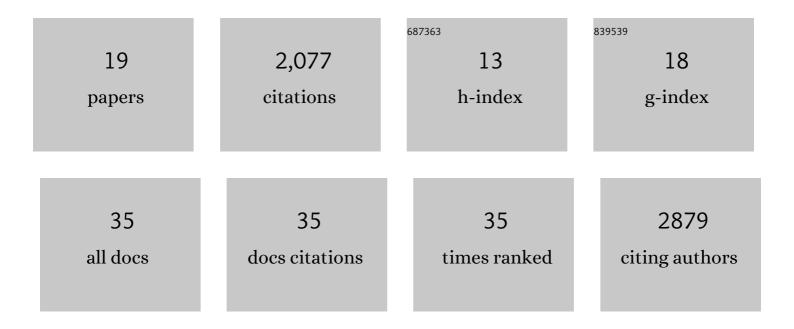
Fabian H Sinz

List of Publications by Year in descending order

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FARIAN H SINZ

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

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Likelihood Estimation in Deep Belief Networks. Frontiers in Computational Neuroscience, 0, 4, . | 2.1 | Ο |

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