

Ferenc Mechler

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,762
citations

567144

15
h-index

839398

18
g-index

18
all docs

18
docs citations

18
times ranked

1740
citing authors

#	ARTICLE	IF	CITATIONS
1	Cannabinoid Neuromodulation in the Adult Early Visual Cortex. PLoS ONE, 2014, 9, e87362.	1.1	11
2	Dipole characterization of single neurons from their extracellular action potentials. Journal of Computational Neuroscience, 2012, 32, 73-100.	0.6	40
3	Three-dimensional localization of neurons in cortical tetrode recordings. Journal of Neurophysiology, 2011, 106, 828-848.	0.9	40
4	Sparse coding and high-order correlations in fine-scale cortical networks. Nature, 2010, 466, 617-621.	13.7	284
5	Laminar and Orientation-Dependent Characteristics of Spatial Nonlinearities: Implications for the Computational Architecture of Visual Cortex. Journal of Neurophysiology, 2009, 102, 3414-3432.	0.9	9
6	Subpopulations of neurons in visual area V2 perform differentiation and integration operations in space and time. Frontiers in Systems Neuroscience, 2009, 3, 15.	1.2	16
7	Speed Dependence of Tuning to One-Dimensional Features in V1. Journal of Neurophysiology, 2007, 97, 2423-2438.	0.9	5
8	Responses of V1 Neurons to Two-Dimensional Hermite Functions. Journal of Neurophysiology, 2006, 95, 379-400.	0.9	39
9	Entrainment to Video Displays in Primary Visual Cortex of Macaque and Humans. Journal of Neuroscience, 2004, 24, 8278-8288.	1.7	113
10	The contribution of spike threshold to the dichotomy of cortical simple and complex cells. Nature Neuroscience, 2004, 7, 1113-1122.	7.1	200
11	Neural Coding of Spatial Phase in V1 of the Macaque Monkey. Journal of Neurophysiology, 2003, 89, 3304-3327.	0.9	78
12	On the classification of simple and complex cells. Vision Research, 2002, 42, 1017-1033.	0.7	186
13	Detection and Discrimination of Relative Spatial Phase by V1 Neurons. Journal of Neuroscience, 2002, 22, 6129-6157.	1.7	48
14	Formal and Attribute-Specific Information in Primary Visual Cortex. Journal of Neurophysiology, 2001, 85, 305-318.	0.9	34
15	Temporal Coding of Contrast in Primary Visual Cortex: When, What, and Why. Journal of Neurophysiology, 2001, 85, 1039-1050.	0.9	183
16	Independent and Redundant Information in Nearby Cortical Neurons. Science, 2001, 294, 2566-2568.	6.0	245
17	Interspike Intervals, Receptive Fields, and Information Encoding in Primary Visual Cortex. Journal of Neuroscience, 2000, 20, 1964-1974.	1.7	144
18	Robust Temporal Coding of Contrast by V1 Neurons for Transient But Not for Steady-State Stimuli. Journal of Neuroscience, 1998, 18, 6583-6598.	1.7	87