

Mehdi Adibi

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

413
citations

1163117
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22
all docs

22
docs citations

22
times ranked

468
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensory Adaptation in the Whisker-Mediated Tactile System: Physiology, Theory, and Function. <i>Frontiers in Neuroscience</i> , 2021, 15, 770011.	2.8	8
2	Editorial: Sensory Adaptation. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 809000.	2.5	5
3	Whisker-Mediated Touch System in Rodents: From Neuron to Behavior. <i>Frontiers in Systems Neuroscience</i> , 2019, 13, 40.	2.5	54
4	Neurons and astrocytes interaction in neuronal network: A game-theoretic approach. <i>Journal of Theoretical Biology</i> , 2019, 470, 76-89.	1.7	3
5	Response dynamics of rat barrel cortex neurons to repeated sensory stimulation. <i>Scientific Reports</i> , 2017, 7, 11445.	3.3	18
6	Correlation between Cortical State and Locus Coeruleus Activity: Implications for Sensory Coding in Rat Barrel Cortex. <i>Frontiers in Neural Circuits</i> , 2016, 10, 14.	2.8	38
7	Dynamics of Population Activity in Rat Sensory Cortex: Network Correlations Predict Anatomical Arrangement and Information Content. <i>Frontiers in Neural Circuits</i> , 2016, 10, 49.	2.8	10
8	Population Decoding in Rat Barrel Cortex: Optimizing the Linear Readout of Correlated Population Responses. <i>PLoS Computational Biology</i> , 2014, 10, e1003415.	3.2	33
9	Sampling Time and Performance in Rat Whisker Sensory System. <i>PLoS ONE</i> , 2014, 9, e116357.	2.5	10
10	Adaptation Improves Neural Coding Efficiency Despite Increasing Correlations in Variability. <i>Journal of Neuroscience</i> , 2013, 33, 2108-2120.	3.6	82
11	Informational Basis of Sensory Adaptation: Entropy and Single-Spike Efficiency in Rat Barrel Cortex. <i>Journal of Neuroscience</i> , 2013, 33, 14921-14926.	3.6	17
12	Behavioral study of whisker-mediated vibration sensation in rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 971-976.	7.1	60
13	A Comparison of Neuronal and Behavioral Detection and Discrimination Performances in Rat Whisker System. <i>Journal of Neurophysiology</i> , 2011, 105, 356-365.	1.8	50
14	Utility Fair Non-cooperative Game Approach for Resource Allocation in Multi-cell OFDM Systems. , 2010, , .		4
15	An analytical closed-form expression for the ergodic capacity of Rayleigh fading MIMO channels and optimal antenna allocation. , 2008, , .		4
16	Optimality of multichannel beamforming for spatially correlated multiple-antenna Rayleigh fading channels with channel covariance information at transmitter. , 2008, , .		0
17	Transmit covariance for spatially-correlated multiple-antenna Ricean fading channels with channel distribution side information at transmitter. , 2008, , .		1
18	A Game Theoretic Approach for SINR-Constrained Power Control in 3G Cellular CDMA Communication Systems. , 2007, , .		4

#	ARTICLE	IF	CITATIONS
19	Comparison of Cooperative and Non-Cooperative Game Schemes for SINR-Constrained Power Allocation in Multiple Antenna CDMA Communication Systems. , 2007, , .		5
20	Some Results on Stochastic Resonance in One-Bit Quantizers. , 2007, , .		0
21	Configural and analytical processing of familiar and unfamiliar objects. Cognitive Brain Research, 2005, 24, 436-441.	3.0	7