

Andreas Klaus

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4374871/publications.pdf>

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16
papers

1,074
citations

687363

13
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

1520
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Statistical Analyses Support Power Law Distributions Found in Neuronal Avalanches. PLoS ONE, 2011, 6, e19779. | 2.5 | 197 |
| 2 | The Spatiotemporal Organization of the Striatum Encodes Action Space. Neuron, 2017, 95, 1171-1180.e7. | 8.1 | 192 |
| 3 | What, If, and When to Move: Basal Ganglia Circuits and Self-Paced Action Initiation. Annual Review of Neuroscience, 2019, 42, 459-483. | 10.7 | 184 |
| 4 | Irregular spiking of pyramidal neurons organizes as scale-invariant neuronal avalanches in the awake state. ELife, 2015, 4, e07224. | 6.0 | 131 |
| 5 | AUTAPSE TURNS NEURON INTO OSCILLATOR. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 623-633. | 1.7 | 73 |
| 6 | Critical Slowing Down Governs the Transition to Neuron Spiking. PLoS Computational Biology, 2015, 11, e1004097. | 3.2 | 53 |
| 7 | Scale-Invariant Neuronal Avalanche Dynamics and the Cut-Off in Size Distributions. PLoS ONE, 2014, 9, e99761. | 2.5 | 52 |
| 8 | The Interplay between Long- and Short-Range Temporal Correlations Shapes Cortex Dynamics across Vigilance States. Journal of Neuroscience, 2017, 37, 10114-10124. | 3.6 | 39 |
| 9 | Striatal Fast-Spiking Interneurons: From Firing Patterns to Postsynaptic Impact. Frontiers in Systems Neuroscience, 2011, 5, 57. | 2.5 | 32 |
| 10 | Altered avalanche dynamics in a developmental NMDAR hypofunction model of cognitive impairment. Translational Psychiatry, 2018, 8, 3. | 4.8 | 32 |
| 11 | Optimum spatiotemporal receptive fields for vision in dim light. Journal of Vision, 2009, 9, 18-18. | 0.3 | 22 |
| 12 | Multi-electrode Array Recordings of Neuronal Avalanches in Organotypic Cultures. Journal of Visualized Experiments, 2011, , . | 0.3 | 19 |
| 13 | A Low-Correlation Resting State of the Striatum during Cortical Avalanches and Its Role in Movement Suppression. PLoS Biology, 2016, 14, e1002582. | 5.6 | 19 |
| 14 | Simultaneous calcium fluorescence imaging and MR of <i>ex vivo</i> organotypic cortical cultures: a new test bed for functional MRI. NMR in Biomedicine, 2015, 28, 1726-1738. | 2.8 | 17 |
| 15 | Neuronal avalanches and the cortico-striatal network. BMC Neuroscience, 2012, 13, . | 1.9 | 4 |
| 16 | Mapping of Cortical Avalanches to the Striatum. Advances in Cognitive Neurodynamics, 2015, , 291-297. | 0.1 | 3 |