

# 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	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
2	Altered avalanche dynamics in a developmental NMDAR hypofunction model of cognitive impairment. Translational Psychiatry, 2018, 8, 3.	4.8	32
3	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
4	The Spatiotemporal Organization of the Striatum Encodes Action Space. Neuron, 2017, 95, 1171-1180.e7.	8.1	192
5	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
6	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
7	Critical Slowing Down Governs the Transition to Neuron Spiking. PLoS Computational Biology, 2015, 11, e1004097.	3.2	53
8	Mapping of Cortical Avalanches to the Striatum. Advances in Cognitive Neurodynamics, 2015, , 291-297.	0.1	3
9	Irregular spiking of pyramidal neurons organizes as scale-invariant neuronal avalanches in the awake state. ELife, 2015, 4, e07224.	6.0	131
10	Scale-Invariant Neuronal Avalanche Dynamics and the Cut-Off in Size Distributions. PLoS ONE, 2014, 9, e99761.	2.5	52
11	Neuronal avalanches and the cortico-striatal network. BMC Neuroscience, 2012, 13, .	1.9	4
12	Striatal Fast-Spiking Interneurons: From Firing Patterns to Postsynaptic Impact. Frontiers in Systems Neuroscience, 2011, 5, 57.	2.5	32
13	Multi-electrode Array Recordings of Neuronal Avalanches in Organotypic Cultures. Journal of Visualized Experiments, 2011, , .	0.3	19
14	Statistical Analyses Support Power Law Distributions Found in Neuronal Avalanches. PLoS ONE, 2011, 6, e19779.	2.5	197
15	Optimum spatiotemporal receptive fields for vision in dim light. Journal of Vision, 2009, 9, 18-18.	0.3	22
16	AUTAPSE TURNS NEURON INTO OSCILLATOR. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 623-633.	1.7	73