Alexander Kraskov

List of Publications by Year
in descending order

46	7,107	159585 30	223800 46
papers	citations	h-index	g-index

53	53	53	7553
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Classification of Cortical Neurons by Spike Shape and the Identification of Pyramidal Neurons. Cerebral Cortex, 2021, 31, 5131-5138.	2.9	19
2	Pattern of paresis in ALS is consistent with the physiology of the corticomotoneuronal projections to different muscle groups. Journal of Neurology, Neurosurgery and Psychiatry, 2020, 91, 991-998.	1.9	24
3	Movement initiation and grasp representation in premotor and primary motor cortex mirror neurons. ELife, 2020, 9, .	6.0	17
4	Tractography-based parcellation does not provide strong evidence of anatomical organisation within the thalamus. NeuroImage, 2019, 199, 418-426.	4.2	9
5	Starting and stopping movement by the primate brain. Brain and Neuroscience Advances, 2019, 3, 239821281983714.	3.4	7
6	The Corticospinal Discrepancy: Where are all the Slow Pyramidal Tract Neurons?. Cerebral Cortex, 2019, 29, 3977-3981.	2.9	24
7	Scene-selective coding by single neurons in the human parahippocampal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1153-1158.	7.1	37
8	Expression of Kv3.1b potassium channel is widespread in macaque motor cortex pyramidal cells: A histological comparison between rat and macaque. Journal of Comparative Neurology, 2017, 525, 2164-2174.	1.6	40
9	Modulation of the Intracortical LFP during Action Execution and Observation. Journal of Neuroscience, 2015, 35, 8451-8461.	3.6	27
10	Axon diameters and conduction velocities in the macaque pyramidal tract. Journal of Neurophysiology, 2014, 112, 1229-1240.	1.8	93
11	Single-Cell Responses to Face Adaptation in the Human Medial Temporal Lobe. Neuron, 2014, 84, 363-369.	8.1	37
12	Corticospinal mirror neurons. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130174.	4.0	60
13	Do monkey F5 mirror neurons show changes in firing rate during repeated observation of natural actions?. Journal of Neurophysiology, 2014, 111, 1214-1226.	1.8	23
14	M1 Corticospinal Mirror Neurons and Their Role in Movement Suppression during Action Observation. Current Biology, 2013, 23, 236-243.	3.9	215
15	Influence of spiking activity on cortical local field potentials. Journal of Physiology, 2013, 591, 5291-5303.	2.9	80
16	The Activity of Primary Motor Cortex Corticospinal Neurons during Tool Use by Macaque Monkeys. Journal of Neuroscience, 2012, 32, 17351-17364.	3.6	43
17	The role of inhibition in action observation treatment. Developmental Medicine and Child Neurology, 2012, 54, 778-778.	2.1	1
18	Interactions between areas of the cortical grasping network. Current Opinion in Neurobiology, 2011, 21, 565-570.	4.2	179

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19	A category-specific response to animals in the right human amygdala. Nature Neuroscience, 2011, 14, 1247-1249.	14.8	129
20	Ventral Premotor-Motor Cortex Interactions in the Macaque Monkey during Grasp: Response of Single Neurons to Intracortical Microstimulation. Journal of Neuroscience, 2011, 31, 8812-8821.	3.6	44
21	Large Identified Pyramidal Cells in Macaque Motor and Premotor Cortex Exhibit â€œThin Spikesâ€: Implications for Cell Type Classification. Journal of Neuroscience, 2011, 31, 14235-14242.	3.6	155
22	Independent components in spectroscopic analysis of complex mixtures. Chemometrics and Intelligent Laboratory Systems, 2010, 103, 108-115.	3.5	70
23	On-line, voluntary control of human temporal lobe neurons. Nature, 2010, 467, 1104-1108.	27.8	140
24	Responses of Human Medial Temporal Lobe Neurons Are Modulated by Stimulus Repetition. Journal of Neurophysiology, 2010, 103, 97-107.	1.8	47
25	Explicit Encoding of Multimodal Percepts by Single Neurons in the Human Brain. Current Biology, 2009, 19, 1308-1313.	3.9	168
26	Corticospinal Neurons in Macaque Ventral Premotor Cortex with Mirror Properties: A Potential Mechanism for Action Suppression?. Neuron, 2009, 64, 922-930.	8.1	285
27	MIC: Mutual Information Based Hierarchical Clustering. , 2009, , 101-123.		27
28	Latency and Selectivity of Single Neurons Indicate Hierarchical Processing in the Human Medial Temporal Lobe. Journal of Neuroscience, 2008, 28, 8865-8872.	3.6	188
29	Selectivity for Grasp in Local Field Potential and Single Neuron Activity Recorded Simultaneously from M1 and F5 in the Awake Macaque Monkey. Journal of Neuroscience, 2008, 28, 10961-10971.	3.6	100
30	Local Field Potentials and Spikes in the Human Medial Temporal Lobe are Selective to Image Category. Journal of Cognitive Neuroscience, 2007, 19, 479-492.	2.3	66
31	Measuring synchronization in coupled model systems: A comparison of different approaches. Physica D: Nonlinear Phenomena, 2007, 225, 29-42.	2.8	171
32	Monte Carlo Algorithm for Least Dependent Non-Negative Mixture Decomposition. Analytical Chemistry, 2006, 78, 1620-1627.	6.5	52
33	Object Selectivity of Local Field Potentials and Spikes in the Macaque Inferior Temporal Cortex. Neuron, 2006, 49, 433-445.	8.1	274
34	Sparse Representation in the Human Medial Temporal Lobe. Journal of Neuroscience, 2006, 26, 10232-10234.	3.6	183
35	Hierarchical clustering using mutual information. Europhysics Letters, 2005, 70, 278-284.	2.0	194
36	Reply to â€œComment on â€˜Performance of different synchronization measures in real data: A case study on electroencephalographic signalsâ€™ â€: Physical Review E, 2005, 72, .	2.1	5

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37	On the predictability of epileptic seizures. Clinical Neurophysiology, 2005, 116, 569-587.	1.5	442
38	Comment on â€œLinguistic Analysis of the Human Heartbeat Using Frequency and Rank Order Statisticsâ€• Physical Review Letters, 2004, 92, 109801; author reply 109802.	7.8	4
39	Measure profile surrogates: A method to validate the performance of epileptic seizure prediction algorithms. Physical Review E, 2004, 69, 061915.	2.1	66
40	Estimating mutual information. Physical Review E, 2004, 69, 066138.	2.1	2,315
41	Least-dependent-component analysis based on mutual information. Physical Review E, 2004, 70, 066123.	2.1	144
42	Reliability of ICA Estimates with Mutual Information. Lecture Notes in Computer Science, 2004, , 209-216.	1.3	4
43	Testing the null hypothesis of the nonexistence of a preseizure state. Physical Review E, 2003, 67, 010901.	2.1	122
44	Bivariate surrogate techniques: Necessity, strengths, and caveats. Physical Review E, 2003, 68, 066202.	2.1	107
45	Reply to â€œComment on â€˜Performance of different synchronization measures in real data: A case study on electroencephalographic signalsâ€™ â€• Physical Review E, 2003, 67, .	2.1	12
46	Performance of different synchronization measures in real data: A case study on electroencephalographic signals. Physical Review E, 2002, 65, 041903.	2.1	626