

Camilo Libedinsky

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

811
citations

623734

14
h-index

752698

20
g-index

41
all docs

41
docs citations

41
times ranked

1046
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed selectivity morphs population codes in prefrontal cortex. <i>Nature Neuroscience</i> , 2017, 20, 1770-1779.	14.8	154
2	Separate and overlapping brain areas encode subjective value during delay and effort discounting. <i>NeuroImage</i> , 2015, 120, 104-113.	4.2	101
3	Sleep Deprivation Alters Effort Discounting but not Delay Discounting of Monetary Rewards. <i>Sleep</i> , 2013, 36, 899-904.	1.1	82
4	Sleep Deprivation Alters Valuation Signals in the Ventromedial Prefrontal Cortex. <i>Frontiers in Behavioral Neuroscience</i> , 2011, 5, 70.	2.0	69
5	Role of Prefrontal Cortex in Conscious Visual Perception. <i>Journal of Neuroscience</i> , 2011, 31, 64-69.	3.6	61
6	Pattern of retinal projections in the California ground squirrel (<i>Spermophilus beecheyi</i>): Anterograde tracing study using cholera toxin. <i>Journal of Comparative Neurology</i> , 2003, 463, 317-340.	1.6	54
7	A Flexible PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy. <i>Advanced Materials</i> , 2020, 32, 2001459.	21.0	44
8	Time-invariant working memory representations in the presence of code-morphing in the lateral prefrontal cortex. <i>Nature Communications</i> , 2019, 10, 4995.	12.8	37
9	Independent Mobility Achieved through a Wireless Brain-Machine Interface. <i>PLoS ONE</i> , 2016, 11, e0165773.	2.5	30
10	Perceptual and physiological evidence for a role for early visual areas in motion-induced blindness. <i>Journal of Vision</i> , 2009, 9, 14-14.	0.3	28
11	Minimally dependent activity subspaces for working memory and motor preparation in the lateral prefrontal cortex. <i>eLife</i> , 2020, 9, .	6.0	28
12	Clustering Neural Patterns in Kernel Reinforcement Learning Assists Fast Brain Control in Brain-Machine Interfaces. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 1684-1694.	4.9	19
13	Towards Intelligent Intracortical BMI (i ² BMI): Low-Power Neuromorphic Decoders That Outperform Kalman Filters. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2019, 13, 1615-1624.	4.0	18
14	Fully automated leg tracking of <i>Drosophila</i> neurodegeneration models reveals distinct conserved movement signatures. <i>PLoS Biology</i> , 2019, 17, e3000346.	5.6	16
15	Dietary disinhibition modulates neural valuation of food in the fed and fasted states. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 919-925.	4.7	14
16	Real-time Closed Loop Neural Decoding on a Neuromorphic chip. , 2019, , .		9
17	A Fully Wireless Implantable Multi-Channel Muscle Stimulator with Closed-Loop Feedback Control. , 2018, , .		8
18	Sparse Ensemble Machine Learning to Improve Robustness of Long-Term Decoding in iBMIs. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 380-389.	4.9	7

#	ARTICLE	IF	CITATIONS
19	Neural representations of movement intentions during brain-controlled self-motion. , 2015, , .		5
20	Boosting performance in brain-machine interface by classifier-level fusion based on accumulative training models from multi-day data. , 2017, 2017, 1922-1925.		4
21	Experimental Comparison of Hardware-Amenable Spike Detection Algorithms for iBMs. , 2019, , .		3
22	Correlation between muscular and nerve signals responsible for hand grasping in non-human primates. , 2014, 2014, 2314-7.		2
23	Use of wavelet transform coefficients for spike detection for a Robust Intracortical Brain Machine Interface. , 2017, , .		2
24	Rapid Detection of Inactive Channels during Multi-unit Intracranial Recordings. , 2019, , .		2
25	Photodynamic Therapy: A Flexiâ€PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy (Adv. Mater. 29/2020). Advanced Materials, 2020, 32, 2070219.	21.0	2
26	Classification of phases of hand grasp task by the extraction of miniature compound nerve action potentials (mCNAPs). , 2015, , .		1
27	Adaptive decoding using local field potentials in a brain-machine interface. , 2016, 2016, 5721-5724.		1
28	Stop state classification in intracortical brain-machine-interface. , 2017, 2017, 1926-1929.		1
29	Effect of human milk formula with bovine colostrum supplementation on bone mineral density in infant cynomolgus macaques. Journal of Developmental Origins of Health and Disease, 2018, 9, 172-181.	1.4	1
30	Robust Local Field Potential-based Neural Decoding by Actively Selecting Discriminative Channels. , 2018, 2018, 1992-1995.		1
31	Towards Autonomous Intra-Cortical Brain Machine Interfaces: Applying Bandit Algorithms for Online Reinforcement Learning. , 2020, , .		1
32	STEER: 3D Printed Guide for Nerve Regrowth Control and Neural Interface in Non-Human Primate Model. IEEE Transactions on Biomedical Engineering, 2022, 69, 1085-1092.	4.2	1
33	A nonlinear hidden layer enables actorâ€™critic agents to learn multiple paired association navigation. Cerebral Cortex, 2022, 32, 3917-3936.	2.9	1
34	Physiological Mechanisms Underlying Motion-Induced Blindness. Nature Precedings, 2008, , .	0.1	0
35	Economic decision-making and the sleep-deprived brain. , 0, , 145-153.		0
36	Undergraduate teaching of evolution in chile: more than natural selection. Revista Chilena De Historia Natural, 2005, 78, .	1.2	0