

Camilo Libedinsky

List of Publications by Year in descending order

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papers

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citations

623734

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41
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41
docs citations

41
times ranked

1046
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A nonlinear hidden layer enables actor-critic agents to learn multiple paired association navigation. Cerebral Cortex, 2022, 32, 3917-3936.	2.9	1
3	Photodynamic Therapy: A Flexible PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy (Adv. Mater. 29/2020). Advanced Materials, 2020, 32, 2070219.	21.0	2
4	Towards Autonomous Intra-Cortical Brain Machine Interfaces: Applying Bandit Algorithms for Online Reinforcement Learning. , 2020, , .		1
5	A Flexible PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy. Advanced Materials, 2020, 32, 2001459.	21.0	44
6	Sparse Ensemble Machine Learning to Improve Robustness of Long-Term Decoding in iBMIs. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 380-389.	4.9	7
7	Minimally dependent activity subspaces for working memory and motor preparation in the lateral prefrontal cortex. ELife, 2020, 9, .	6.0	28
8	Real-time Closed Loop Neural Decoding on a Neuromorphic chip. , 2019, , .		9
9	Clustering Neural Patterns in Kernel Reinforcement Learning Assists Fast Brain Control in Brain-Machine Interfaces. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1684-1694.	4.9	19
10	Fully automated leg tracking of Drosophila neurodegeneration models reveals distinct conserved movement signatures. PLoS Biology, 2019, 17, e3000346.	5.6	16
11	Time-invariant working memory representations in the presence of code-morphing in the lateral prefrontal cortex. Nature Communications, 2019, 10, 4995.	12.8	37
12	Rapid Detection of Inactive Channels during Multi-unit Intracranial Recordings. , 2019, , .		2
13	Experimental Comparison of Hardware-Amenable Spike Detection Algorithms for iBMIs. , 2019, , .		3
14	Towards Intelligent Intracortical BMI (i ² BMI): Low-Power Neuromorphic Decoders That Outperform Kalman Filters. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 1615-1624.	4.0	18
15	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
16	Robust Local Field Potential-based Neural Decoding by Actively Selecting Discriminative Channels. , 2018, 2018, 1992-1995.		1
17	A Fully Wireless Implantable Multi-Channel Muscle Stimulator with Closed-Loop Feedback Control. , 2018, , .		8
18	Mixed selectivity morphs population codes in prefrontal cortex. Nature Neuroscience, 2017, 20, 1770-1779.	14.8	154

#	ARTICLE	IF	CITATIONS
19	Boosting performance in brain-machine interface by classifier-level fusion based on accumulative training models from multi-day data. , 2017, 2017, 1922-1925.		4
20	Stop state classification in intracortical brain-machine-interface. , 2017, 2017, 1926-1929.		1
21	Use of wavelet transform coefficients for spike detection for a Robust Intracortical Brain Machine Interface. , 2017, , .		2
22	Independent Mobility Achieved through a Wireless Brain-Machine Interface. PLoS ONE, 2016, 11, e0165773.	2.5	30
23	Adaptive decoding using local field potentials in a brain-machine interface. , 2016, 2016, 5721-5724.		1
24	Classification of phases of hand grasp task by the extraction of miniature compound nerve action potentials (mCNAPs). , 2015, , .		1
25	Neural representations of movement intentions during brain-controlled self-motion. , 2015, , .		5
26	Separate and overlapping brain areas encode subjective value during delay and effort discounting. NeuroImage, 2015, 120, 104-113.	4.2	101
27	Correlation between muscular and nerve signals responsible for hand grasping in non-human primates. , 2014, 2014, 2314-7.		2
28	Dietary disinhibition modulates neural valuation of food in the fed and fasted states. American Journal of Clinical Nutrition, 2013, 97, 919-925.	4.7	14
29	Sleep Deprivation Alters Effort Discounting but not Delay Discounting of Monetary Rewards. Sleep, 2013, 36, 899-904.	1.1	82
30	Sleep Deprivation Alters Valuation Signals in the Ventromedial Prefrontal Cortex. Frontiers in Behavioral Neuroscience, 2011, 5, 70.	2.0	69
31	Role of Prefrontal Cortex in Conscious Visual Perception. Journal of Neuroscience, 2011, 31, 64-69.	3.6	61
32	Perceptual and physiological evidence for a role for early visual areas in motion-induced blindness. Journal of Vision, 2009, 9, 14-14.	0.3	28
33	Physiological Mechanisms Underlying Motion-Induced Blindness. Nature Precedings, 2008, , .	0.1	0
34	Undergraduate teaching of evolution in chile: more than natural selection. Revista Chilena De Historia Natural, 2005, 78, .	1.2	0
35	Pattern of retinal projections in the California ground squirrel (Spermophilus beecheyi): Anterograde tracing study using cholera toxin. Journal of Comparative Neurology, 2003, 463, 317-340.	1.6	54
36	Economic decision-making and the sleep-deprived brain. , 0, , 145-153.		0