

Sung-Phil Kim

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

671
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1306789

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1372195

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all docs

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docs citations

13
times ranked

709
citing authors

#	ARTICLE	IF	CITATIONS
1	Decoding Kinematic Information From Primary Motor Cortex Ensemble Activities Using a Deep Canonical Correlation Analysis. <i>Frontiers in Neuroscience</i> , 2020, 14, 509364.	1.4	4
2	Implantable Neural Probes for Brain-Machine Interfaces ? Current Developments and Future Prospects. <i>Experimental Neurobiology</i> , 2018, 27, 453-471.	0.7	45
3	A simulation study on the effects of neuronal ensemble properties on decoding algorithms for intracortical brain-machine interfaces. <i>BioMedical Engineering OnLine</i> , 2018, 17, 28.	1.3	2
4	A simulation study on decoding algorithms for brain-machine interfaces with the non-stationary neuronal ensemble activity. , 2016, , .		1
5	Neural Categorization of Vibrotactile Frequency in Flutter and Vibration Stimulations: An fMRI Study. <i>IEEE Transactions on Haptics</i> , 2016, 9, 455-464.	1.8	16
6	Distributed functions of detection and discrimination of vibrotactile stimuli in the hierarchical human somatosensory system. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1070.	1.0	24
7	Development of a simple MR-compatible vibrotactile stimulator using a planar-coil-type actuator. <i>Behavior Research Methods</i> , 2013, 45, 364-371.	2.3	17
8	Frequency-dependent patterns of somatosensory cortical responses to vibrotactile stimulation in humans: A fMRI study. <i>Brain Research</i> , 2013, 1504, 47-57.	1.1	43
9	Point-and-Click Cursor Control With an Intracortical Neural Interface System by Humans With Tetraplegia. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2011, 19, 193-203.	2.7	149
10	Neural control of computer cursor velocity by decoding motor cortical spiking activity in humans with tetraplegia. <i>Journal of Neural Engineering</i> , 2008, 5, 455-476.	1.8	342
11	Multi-state decoding of point-and-click control signals from motor cortical activity in a human with tetraplegia. , 2007, , .		24
12	Independently Coupled HMM Switching Classifier for a Bimodal Brain-Machine Interface. <i>IEEE International Workshop on Machine Learning for Signal Processing</i> , 2006, , .	0.0	2
13	Statistical Analysis of the Non-stationarity of Neural Population Codes. , 0, , .		2