

David M Brandman

List of Publications by Year in descending order

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papers

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1040056

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17
all docs

17
docs citations

17
times ranked

644
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid calibration of an intracortical brain-computer interface for people with tetraplegia. <i>Journal of Neural Engineering</i> , 2018, 15, 026007.	3.5	95
2	Home Use of a Percutaneous Wireless Intracortical Brain-Computer Interface by Individuals With Tetraplegia. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 2313-2325.	4.2	83
3	Review: Human Intracortical Recording and Neural Decoding for Brain-Computer Interfaces. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 1687-1696.	4.9	80
4	Spike Train SIMilarity Space (SSIMS): A Framework for Single Neuron and Ensemble Data Analysis. <i>Neural Computation</i> , 2015, 27, 1-31.	2.2	43
5	BCI decoder performance comparison of an LSTM recurrent neural network and a Kalman filter in retrospective simulation. , 2019, , .		28
6	Decoding speech from spike-based neural population recordings in secondary auditory cortex of non-human primates. <i>Communications Biology</i> , 2019, 2, 466.	4.4	25
7	Robust Closed-Loop Control of a Cursor in a Person with Tetraplegia using Gaussian Process Regression. <i>Neural Computation</i> , 2018, 30, 2986-3008.	2.2	20
8	Raloxifene prevents stress granule dissolution, impairs translational control and promotes cell death during hypoxia in glioblastoma cells. <i>Cell Death and Disease</i> , 2020, 11, 989.	6.3	17
9	Teaching for the Transition: the Canadian PGY-1 Neurosurgery "Rookie Camp"™. <i>Canadian Journal of Neurological Sciences</i> , 2015, 42, 25-33.	0.5	13
10	The Discriminative Kalman Filter for Bayesian Filtering with Nonlinear and Nongaussian Observation Models. <i>Neural Computation</i> , 2020, 32, 969-1017.	2.2	13
11	The clinical utility of the Spinal Instability Neoplastic Score (SINS) system in spinal epidural metastases: a retrospective study. <i>Spinal Cord</i> , 2020, 58, 892-899.	1.9	13
12	Preclinical Evaluation of the Stealth Autoguide Robotic Guidance Device for Stereotactic Cranial Surgery: A Human Cadaveric Study. <i>Stereotactic and Functional Neurosurgery</i> , 2021, 99, 343-350.	1.5	10
13	Modelling the backlog of COVID-19 cases for a surgical group. <i>Canadian Journal of Surgery</i> , 2020, 63, E391-E392.	1.2	5
14	Needs Assessment for Incoming PGY-1 Residents in Neurosurgical Residency. <i>Canadian Journal of Neurological Sciences</i> , 2015, 42, 17-24.	0.5	3