

Mark R Bower

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,483
citations

516710

16
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

2097
citing authors

#	ARTICLE	IF	CITATIONS
1	Microseizures and the spatiotemporal scales of human partial epilepsy. <i>Brain</i> , 2010, 133, 2789-2797.	7.6	280
2	Synchrony in Normal and Focal Epileptic Brain: The Seizure Onset Zone is Functionally Disconnected. <i>Journal of Neurophysiology</i> , 2010, 104, 3530-3539.	1.8	211
3	Early Activation of Ventral Hippocampus and Subiculum during Spontaneous Seizures in a Rat Model of Temporal Lobe Epilepsy. <i>Journal of Neuroscience</i> , 2013, 33, 11100-11115.	3.6	151
4	High frequency oscillations are associated with cognitive processing in human recognition memory. <i>Brain</i> , 2014, 137, 2231-2244.	7.6	149
5	Sequential-Context-Dependent Hippocampal Activity Is Not Necessary to Learn Sequences with Repeated Elements. <i>Journal of Neuroscience</i> , 2005, 25, 1313-1323.	3.6	116
6	Large-scale electrophysiology: Acquisition, compression, encryption, and storage of big data. <i>Journal of Neuroscience Methods</i> , 2009, 180, 185-192.	2.5	107
7	Spatiotemporal neuronal correlates of seizure generation in focal epilepsy. <i>Epilepsia</i> , 2012, 53, 807-816.	5.1	86
8	Changes in Granule Cell Firing Rates Precede Locally Recorded Spontaneous Seizures by Minutes in an Animal Model of Temporal Lobe Epilepsy. <i>Journal of Neurophysiology</i> , 2008, 99, 2431-2442.	1.8	79
9	Increased cortical extracellular adenosine correlates with seizure termination. <i>Epilepsia</i> , 2014, 55, 233-244.	5.1	68
10	Evidence for Consolidation of Neuronal Assemblies after Seizures in Humans. <i>Journal of Neuroscience</i> , 2015, 35, 999-1010.	3.6	55
11	Visually validated semi-automatic high-frequency oscillation detection aides the delineation of epileptogenic regions during intra-operative electrocorticography. <i>Clinical Neurophysiology</i> , 2018, 129, 2089-2098.	1.5	40
12	Intravenous recording of intracranial, broadband EEG. <i>Journal of Neuroscience Methods</i> , 2013, 214, 21-26.	2.5	30
13	Multi-class SAR ATR using shift-invariant correlation filters. <i>Pattern Recognition</i> , 1994, 27, 619-626.	8.1	28
14	Reactivation of seizure-related changes to interictal spike shape and synchrony during postseizure sleep in patients. <i>Epilepsia</i> , 2017, 58, 94-104.	5.1	23
15	Swine model for translational research of invasive intracranial monitoring. <i>Epilepsia</i> , 2011, 52, e49-e53.	5.1	22
16	The predictive value of serum myeloperoxidase for vasospasm in patients with aneurysmal subarachnoid hemorrhage. <i>Neurosurgical Review</i> , 2012, 35, 413-419.	2.4	20
17	Advances in radiofrequency ablation of the cerebral cortex in primates using the venous system: Improvements for treating epilepsy with catheter ablation technology. <i>Epilepsy Research</i> , 2014, 108, 1026-1031.	1.6	7
18	Metadata and annotations for multi-scale electrophysiological data. , 2009, 2009, 2811-4.		6

#	ARTICLE	IF	CITATIONS
19	Combined Single Neuron Unit Activity and Local Field Potential Oscillations in a Human Visual Recognition Memory Task. IEEE Transactions on Biomedical Engineering, 2016, 63, 67-75.	4.2	5