

Michael J Prerau

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,355
citations

1163117

8
h-index

1058476

14
g-index

23
all docs

23
docs citations

23
times ranked

1547
citing authors

#	ARTICLE	IF	CITATIONS
1	Electroencephalogram signatures of loss and recovery of consciousness from propofol. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1142-51.	7.1	679
2	Sleep Neurophysiological Dynamics Through the Lens of Multitaper Spectral Analysis. Physiology, 2017, 32, 60-92.	3.1	201
3	A Comparison of Propofol- and Dexmedetomidine-induced Electroencephalogram Dynamics Using Spectral and Coherence Analysis. Anesthesiology, 2014, 121, 978-989.	2.5	138
4	Macro and micro sleep architecture and cognitive performance in older adults. Nature Human Behaviour, 2021, 5, 123-145.	12.0	75
5	Tracking the Sleep Onset Process: An Empirical Model of Behavioral and Physiological Dynamics. PLoS Computational Biology, 2014, 10, e1003866.	3.2	59
6	Characterizing Learning by Simultaneous Analysis of Continuous and Binary Measures of Performance. Journal of Neurophysiology, 2009, 102, 3060-3072.	1.8	54
7	Phase-based measures of cross-frequency coupling in brain electrical dynamics under general anesthesia. , 2011, 2011, 1981-4.		32
8	A mixed filter algorithm for cognitive state estimation from simultaneously recorded continuous and binary measures of performance. Biological Cybernetics, 2008, 99, 1-14.	1.3	28
9	Sleep spindles comprise a subset of a broader class of electroencephalogram events. Sleep, 2021, 44, .	1.1	19
10	A General Likelihood Framework for Characterizing the Time Course of Neural Activity. Neural Computation, 2011, 23, 2537-2566.	2.2	9
11	Bayesian analysis of trinomial data in behavioral experiments and its application to human studies of general anesthesia. , 2011, 2011, 4705-8.		9
12	Characterizing context-dependent differential firing activity in the hippocampus and entorhinal cortex. Hippocampus, 2014, 24, 476-492.	1.9	9
13	Quantifying statistical uncertainty in metrics of sleep disordered breathing. Sleep Medicine, 2020, 65, 161-169.	1.6	8
14	Sparse Multi-task Inverse Covariance Estimation for Connectivity Analysis in EEG Source Space. , 2019, 2019, 299-302.		7
15	Tracking non-stationary spectral peak structure in EEG data. , 2013, 2013, 417-20.		5
16	Multitaper Infinite Hidden Markov Model for EEG. , 2019, 2019, 5803-5807.		4
17	A probabilistic framework for time-frequency detection of burst suppression. , 2013, , .		3
18	Estimation of Time-Varying Spectral Peaks and Decomposition of EEG Spectrograms. IEEE Access, 2020, 8, 218257-218278.	4.2	3

#	ARTICLE	IF	CITATIONS
19	Spectral sleep electroencephalographic correlates of sleep efficiency, and discrepancies between actigraphy and self-reported measures, in older men. <i>Journal of Sleep Research</i> , 2021, 30, e13033.	3.2	3
20	A quantitative representation of continuous brain state during sleep. , 2021, , .		3