

Kay A Robbins

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,927
citations

623574

14
h-index

477173

29
g-index

46
all docs

46
docs citations

46
times ranked

2341
citing authors

#	ARTICLE	IF	CITATIONS
1	The PREP pipeline: standardized preprocessing for large-scale EEG analysis. <i>Frontiers in Neuroinformatics</i> , 2015, 9, 16.	1.3	730
2	Propagating waves mediate information transfer in the motor cortex. <i>Nature Neuroscience</i> , 2006, 9, 1549-1557.	7.1	403
3	Detection and classification of subject-generated artifacts in EEG signals using autoregressive models. <i>Journal of Neuroscience Methods</i> , 2012, 208, 181-189.	1.3	176
4	How Sensitive Are EEG Results to Preprocessing Methods: A Benchmarking Study. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 1081-1090.	2.7	61
5	BLINKER: Automated Extraction of Ocular Indices from EEG Enabling Large-Scale Analysis. <i>Frontiers in Neuroscience</i> , 2017, 11, 12.	1.4	54
6	Modal Behavior of Cortical Neural Networks during Visual Processing. <i>Journal of Neuroscience</i> , 1999, 19, RC3-RC3.	1.7	49
7	Deterministic Chaos in Laminar Premixed Flames: Experimental Classification of Chaotic Dynamics. <i>Combustion Science and Technology</i> , 1993, 94, 87-101.	1.2	44
8	High-Speed VSD Imaging of Visually Evoked Cortical Waves: Decomposition Into Intra- and Intercortical Wave Motions. <i>Journal of Neurophysiology</i> , 2002, 87, 1499-1514.	0.9	42
9	Karhunen-LoÃve analysis of spatiotemporal flame patterns. <i>Physical Review E</i> , 1998, 57, 5958-5971.	0.8	40
10	DETECT: A MATLAB Toolbox for Event Detection and Identification in Time Series, with Applications to Artifact Detection in EEG Signals. <i>PLoS ONE</i> , 2013, 8, e62944.	1.1	39
11	A Deep Learning method for classification of images RSVP events with EEG data. , 2013, , .		26
12	Hierarchical Event Descriptors (HED): Semi-Structured Tagging for Real-World Events in Large-Scale EEG. <i>Frontiers in Neuroinformatics</i> , 2016, 10, 42.	1.3	26
13	ASYMMETRIC CELLS AND ROTATING RINGS IN CELLULAR FLAMES. <i>Modern Physics Letters B</i> , 1996, 10, 1379-1387.	1.0	24
14	Preparing Laboratory and Real-World EEG Data for Large-Scale Analysis: A Containerized Approach. <i>Frontiers in Neuroinformatics</i> , 2016, 10, 7.	1.3	24
15	Automated EEG mega-analysis II: Cognitive aspects of event related features. <i>NeuroImage</i> , 2020, 207, 116054.	2.1	19
16	Automated EEG mega-analysis I: Spectral and amplitude characteristics across studies. <i>NeuroImage</i> , 2020, 207, 116361.	2.1	19
17	Hierarchical Event Descriptor (HED) tags for analysis of event-related EEG studies. , 2013, , .		16
18	Extracting Wave Structure from Biological Data with Application to Responses in Turtle Visual Cortex. <i>Journal of Computational Neuroscience</i> , 2004, 16, 267-298.	0.6	12

#	ARTICLE	IF	CITATIONS
19	EEG-Annotate: Automated identification and labeling of events in continuous signals with applications to EEG. <i>Journal of Neuroscience Methods</i> , 2018, 293, 359-374.	1.3	12
20	Spiral dynamics of pulsating methane-oxygen flames on a circular burner. <i>Chaos</i> , 2004, 14, 467-476.	1.0	11
21	PWC-ICA: A Method for Stationary Ordered Blind Source Separation with Application to EEG. <i>Computational Intelligence and Neuroscience</i> , 2016, 2016, 1-20.	1.1	11
22	An 18-subject EEG data collection using a visual-oddball task, designed for benchmarking algorithms and headset performance comparisons. <i>Data in Brief</i> , 2018, 16, 227-230.	0.5	11
23	A bag-of-words model for task-load prediction from EEG in complex environments. , 2013, , .		8
24	Classification of non-time-locked rapid serial visual presentation events for brain-computer interaction using deep learning. , 2014, , .		8
25	Capturing the nature of events and event context using hierarchical event descriptors (HED). <i>NeuroImage</i> , 2021, 245, 118766.	2.1	8
26	EEGVIS: A MATLAB Toolbox for Browsing, Exploring, and Viewing Large Datasets. <i>Frontiers in Neuroinformatics</i> , 2012, 6, 17.	1.3	7
27	Adaptive Thresholding and Reweighting to Improve Domain Transfer Learning for Unbalanced Data with Applications to EEG Imbalance. , 2016, , .		5
28	Virtual rings: an introduction to concurrency. <i>SIGCSE Bulletin</i> , 1989, 21, 23-28.	0.1	4
29	Relationship between average and real memory behavior. <i>Journal of Supercomputing</i> , 1994, 8, 209-232.	2.4	4
30	Tracking thymocyte migration in situ. <i>Seminars in Immunology</i> , 2005, 17, 421-430.	2.7	4
31	CTAGGER: Semi-structured community tagging for annotation and data-mining in event-rich contexts. , 2013, , .		4
32	Single-Trial Classification of Disfluent Brain States in Adults Who Stutter. , 2018, 2018, .		4
33	Building FAIR Functionality: Annotating Events in Time Series Data Using Hierarchical Event Descriptors (HED). <i>Neuroinformatics</i> , 2022, 20, 463-481.	1.5	4
34	Extension of Mutual Subspace Method for Low Dimensional Feature Projection. , 2007, , .		3
35	A framework for content-based retrieval of EEG with applications to neuroscience and beyond. , 2013, , 1-8.		3
36	Classification of Imperfectly Time-Locked Image RSVP Events with EEG Device. <i>Neuroinformatics</i> , 2014, 12, 261-275.	1.5	3

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37	Solving the CS1/CS2 lab dilemma. SIGCSE Bulletin, 2001, 33, 164-168.	0.1	2
38	Integrating a simulation case study into CS2. SIGCSE Bulletin, 2002, 34, 391-395.	0.1	2
39	Classification of EEG recordings without perfectly time-locked events. , 2012, , .		1
40	Exploring and Organizing Spatiotemporal Features such as Waves in High Throughput Brain Recordings by Lifting to Feature Space. , 2007, , .		0
41	Content-based EEG database retrieval using a multiclass SVM classifier. , 2013, , .		0