Kay A Robbins

List of Publications by Year
in descending order

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	Building FAIR Functionality: Annotating Events in Time Series Data Using Hierarchical Event Descriptors (HED). Neuroinformatics, 2022, 20, 463-481.	1.5	4
2	Capturing the nature of events and event context using hierarchical event descriptors (HED). NeuroImage, 2021, 245, 118766.	2.1	8
3	Automated EEG mega-analysis II: Cognitive aspects of event related features. NeuroImage, 2020, 207, 116054.	2.1	19
4	Automated EEG mega-analysis I: Spectral and amplitude characteristics across studies. NeuroImage, 2020, 207, 116361.	2.1	19
5	How Sensitive Are EEG Results to Preprocessing Methods: A Benchmarking Study. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1081-1090.	2.7	61
6	EEG-Annotate: Automated identification and labeling of events in continuous signals with applications to EEG. Journal of Neuroscience Methods, 2018, 293, 359-374.	1.3	12
7	An 18-subject EEG data collection using a visual-oddball task, designed for benchmarking algorithms and headset performance comparisons. Data in Brief, 2018, 16, 227-230.	0.5	11
8	Single-Trial Classification of Disfluent Brain States in Adults Who Stutter. , 2018, 2018, .		4
9	BLINKER: Automated Extraction of Ocular Indices from EEG Enabling Large-Scale Analysis. Frontiers in Neuroscience, 2017, 11, 12.	1.4	54
10	PWC-ICA: A Method for Stationary Ordered Blind Source Separation with Application to EEG. Computational Intelligence and Neuroscience, 2016, 2016, 1-20.	1.1	11
11	Preparing Laboratory and Real-World EEG Data for Large-Scale Analysis: A Containerized Approach. Frontiers in Neuroinformatics, 2016, 10, 7.	1.3	24
12	Hierarchical Event Descriptors (HED): Semi-Structured Tagging for Real-World Events in Large-Scale EEG. Frontiers in Neuroinformatics, 2016, 10, 42.	1.3	26
13	Adaptive Thresholding and Reweighting to Improve Domain Transfer Learning for Unbalanced Data with Applications to EEG Imbalance. , 2016, , .		5
14	The PREP pipeline: standardized preprocessing for large-scale EEG analysis. Frontiers in Neuroinformatics, 2015, 9, 16.	1.3	730
15	Classification of non-time-locked rapid serial visual presentation events for brain-computer interaction using deep learning. , 2014, , .		8
16	Classification of Imperfectly Time-Locked Image RSVP Events with EEG Device. Neuroinformatics, 2014, 12, 261-275.	1.5	3
17	CTAGGER: Semi-structured community tagging for annotation and data-mining in event-rich contexts. , 2013, , .		4
18	Content-based EEG database retrieval using a multiclass SVM classifier. , 2013, , .		0

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19	Hierarchical Event Descriptor (HED) tags for analysis of event-related EEG studies. , 2013, , .		16
20	A Deep Learning method for classification of images RSVP events with EEG data. , 2013, , .		26
21	A framework for content-based retrieval of EEG with applications to neuroscience and beyond. , 2013, , 1-8.		3
22	A bag-of-words model for task-load prediction from EEG in complex environments. , 2013, , .		8
23	DETECT: A MATLAB Toolbox for Event Detection and Identification in Time Series, with Applications to Artifact Detection in EEG Signals. PLoS ONE, 2013, 8, e62944.	1.1	39
24	Classification of EEG recordings without perfectly time-locked events. , 2012, , .		1
25	EEGVIS: A MATLAB Toolbox for Browsing, Exploring, and Viewing Large Datasets. Frontiers in Neuroinformatics, 2012, 6, 17.	1.3	7
26	Detection and classification of subject-generated artifacts in EEG signals using autoregressive models. Journal of Neuroscience Methods, 2012, 208, 181-189.	1.3	176
27	Extension of Mutual Subspace Method for Low Dimensional Feature Projection. , 2007, , .		3
28	Exploring and Organizing Spatiotemporal Features such as Waves in High Throughput Brain Recordings by Lifting to Feature Space. , 2007, , .		0
29	Propagating waves mediate information transfer in the motor cortex. Nature Neuroscience, 2006, 9, 1549-1557.	7.1	403
30	Tracking thymocyte migration in situ. Seminars in Immunology, 2005, 17, 421-430.	2.7	4
31	Extracting Wave Structure from Biological Data with Application to Responses in Turtle Visual Cortex. Journal of Computational Neuroscience, 2004, 16, 267-298.	0.6	12
32	Spiral dynamics of pulsating methane–oxygen flames on a circular burner. Chaos, 2004, 14, 467-476.	1.0	11
33	Integrating a simulation case study into CS2. SIGCSE Bulletin, 2002, 34, 391-395.	0.1	2
34	High-Speed VSD Imaging of Visually Evoked Cortical Waves: Decomposition Into Intra- and Intercortical Wave Motions. Journal of Neurophysiology, 2002, 87, 1499-1514.	0.9	42
35	Solving the CS1/CS2 lab dilemma. SIGCSE Bulletin, 2001, 33, 164-168.	0.1	2
36	Modal Behavior of Cortical Neural Networks during Visual Processing. Journal of Neuroscience, 1999, 19, RC3-RC3.	1.7	49

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37	Karhunen-Loève analysis of spatiotemporal flame patterns. Physical Review E, 1998, 57, 5958-5971.	0.8	40
38	ASYMMETRIC CELLS AND ROTATING RINGS IN CELLULAR FLAMES. Modern Physics Letters B, 1996, 10, 1379-1387.	1.0	24
39	Relationship between average and real memory behavior. Journal of Supercomputing, 1994, 8, 209-232.	2.4	4
40	Deterministic Chaos in Laminar Premixed Flames: Experimental Classification of Chaotic Dynamics. Combustion Science and Technology, 1993, 94, 87-101.	1.2	44
41	Virtual rings: an introduction to concurrency. SIGCSE Bulletin, 1989, 21, 23-28.	0.1	4