

Sarah D Power

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

713
citations

840776

11
h-index

839539

18
g-index

22
all docs

22
docs citations

22
times ranked

565
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification of prefrontal activity due to mental arithmetic and music imagery using hidden Markov models and frequency domain near-infrared spectroscopy. <i>Journal of Neural Engineering</i> , 2010, 7, 026002.	3.5	134
2	Towards a system-paced near-infrared spectroscopy brain-computer interface: differentiating prefrontal activity due to mental arithmetic and mental singing from the no-control state. <i>Journal of Neural Engineering</i> , 2011, 8, 066004.	3.5	134
3	Automatic single-trial discrimination of mental arithmetic, mental singing and the no-control state from prefrontal activity: toward a three-state NIRS-BCI. <i>BMC Research Notes</i> , 2012, 5, 141.	1.4	95
4	Intersession Consistency of Single-Trial Classification of the Prefrontal Response to Mental Arithmetic and the No-Control State by NIRS. <i>PLoS ONE</i> , 2012, 7, e37791.	2.5	71
5	Automatic detection of a prefrontal cortical response to emotionally rated music using multi-channel near-infrared spectroscopy. <i>Journal of Neural Engineering</i> , 2012, 9, 026022.	3.5	69
6	Taking NIRS-BCIs Outside the Lab: Towards Achieving Robustness Against Environment Noise. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2011, 19, 136-146.	4.9	66
7	Investigating the Need for Modelling Temporal Dependencies in a Brain-Computer Interface with Real-Time Feedback Based on near Infrared Spectra. <i>Journal of Near Infrared Spectroscopy</i> , 2012, 20, 107-116.	1.5	29
8	Dynamic topographical pattern classification of multichannel prefrontal NIRS signals. <i>Journal of Neural Engineering</i> , 2013, 10, 046018.	3.5	23
9	EEG-based detection of mental workload level and stress: the effect of variation in each state on classification of the other. <i>Journal of Neural Engineering</i> , 2020, 17, 056015.	3.5	20
10	Thermal Imaging of the Periorbital Regions during the Presentation of an Auditory Startle Stimulus. <i>PLoS ONE</i> , 2011, 6, e27268.	2.5	15
11	A cardiorespiratory classifier of voluntary and involuntary electrodermal activity. <i>BioMedical Engineering Online</i> , 2010, 9, 11.	2.7	14
12	Classification of Activity Engagement in Individuals with Severe Physical Disabilities Using Signals of the Peripheral Nervous System. <i>PLoS ONE</i> , 2012, 7, e30373.	2.5	10
13	Simultaneous Classification of Both Mental Workload and Stress Level Suitable for an Online Passive Brain-Computer Interface. <i>Sensors</i> , 2022, 22, 535.	3.8	10
14	Investigating hierarchical and ensemble classification approaches to mitigate the negative effect of varying stress state on EEG-based detection of mental workload level - and vice versa. <i>Brain-Computer Interfaces</i> , 2021, 8, 26-37.	1.8	6
15	Assessment of changes in neural activity during acquisition of spatial knowledge using EEG signal classification. <i>Journal of Neural Engineering</i> , 2019, 16, 036027.	3.5	4
16	Investigation of an EEG-based Indicator of Skill Acquisition as Novice Participants Practice a Lifeboat Maneuvering Task in a Simulator. <i>International Journal of Human-Computer Interaction</i> , 2020, 36, 777-787.	4.8	4
17	On the use of peripheral autonomic signals for binary control of body-machine interfaces. <i>Physiological Measurement</i> , 2010, 31, 1411-1422.	2.1	3
18	EEG-based classification of visual and auditory monitoring tasks. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
19	Toward a Subject-Independent EEG-Based Neural Indicator of Task Proficiency During Training. <i>Frontiers in Neuroergonomics</i> , 2021, 1, .	1.1	2
20	Autonomic Nervous System Approach to Measure Physiological Arousal and Scenario Difficulty in Simulation-Based Training Environment. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 135-144.	0.6	1
21	Nascent Access Technologies for Individuals with Severe Motor Impairments. , 2011, , 16-35.		0
22	Nascent Access Technologies for Individuals with Severe Motor Impairments. , 0, , 720-739.		0