Sarah D Power

List of Publications by Year
in descending order

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	Simultaneous Classification of Both Mental Workload and Stress Level Suitable for an Online Passive Brainâ€“Computer Interface. Sensors, 2022, 22, 535.	3.8	10
2	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. Brain-Computer Interfaces, 2021, 8, 26-37.	1.8	6
3	Toward a Subject-Independent EEG-Based Neural Indicator of Task Proficiency During Training. Frontiers in Neuroergonomics, 2021, 1, .	1.1	2
4	Investigation of an EEG-based Indicator of Skill Acquisition as Novice Participants Practice a Lifeboat Maneuvering Task in a Simulator. International Journal of Human-Computer Interaction, 2020, 36, 777-787.	4.8	4
5	EEG-based detection of mental workload level and stress: the effect of variation in each state on classification of the other. Journal of Neural Engineering, 2020, 17, 056015.	3.5	20
6	EEG-based classification of visual and auditory monitoring tasks. , 2020, , .		3
7	Assessment of changes in neural activity during acquisition of spatial knowledge using EEG signal classification. Journal of Neural Engineering, 2019, 16, 036027.	3.5	4
8	Autonomic Nervous System Approach to Measure Physiological Arousal and Scenario Difficulty in Simulation-Based Training Environment. Advances in Intelligent Systems and Computing, 2019, , 135-144.	0.6	1
9	Dynamic topographical pattern classification of multichannel prefrontal NIRS signals. Journal of Neural Engineering, 2013, 10, 046018.	3.5	23
10	Automatic detection of a prefrontal cortical response to emotionally rated music using multi-channel near-infrared spectroscopy. Journal of Neural Engineering, 2012, 9, 026022.	3.5	69
11	Investigating the Need for Modelling Temporal Dependencies in a Brain-Computer Interface with Real-Time Feedback Based on near Infrared Spectra. Journal of Near Infrared Spectroscopy, 2012, 20, 107-116.	1.5	29
12	Automatic single-trial discrimination of mental arithmetic, mental singing and the no-control state from prefrontal activity: toward a three-state NIRS-BCI. BMC Research Notes, 2012, 5, 141.	1.4	95
13	Classification of Activity Engagement in Individuals with Severe Physical Disabilities Using Signals of the Peripheral Nervous System. PLoS ONE, 2012, 7, e30373.	2.5	10
14	Intersession Consistency of Single-Trial Classification of the Prefrontal Response to Mental Arithmetic and the No-Control State by NIRS. PLoS ONE, 2012, 7, e37791.	2.5	71
15	Thermal Imaging of the Periorbital Regions during the Presentation of an Auditory Startle Stimulus. PLoS ONE, 2011, 6, e27268.	2.5	15
16	Taking NIRS-BCIs Outside the Lab: Towards Achieving Robustness Against Environment Noise. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2011, 19, 136-146.	4.9	66
17	Towards a system-paced near-infrared spectroscopy brainâ€“computer interface: differentiating prefrontal activity due to mental arithmetic and mental singing from the no-control state. Journal of Neural Engineering, 2011, 8, 066004.	3.5	134
18	Nascent Access Technologies for Individuals with Severe Motor Impairments. , 2011, , 16-35.		0

#	Article	IF	Citations
19	On the use of peripheral autonomic signals for binary control of bodyâ€“machine interfaces. Physiological Measurement, 2010, 31, 1411-1422.	2.1	3
20	Classification of prefrontal activity due to mental arithmetic and music imagery using hidden Markov models and frequency domain near-infrared spectroscopy. Journal of Neural Engineering, 2010, 7, 026002.	3.5	134
21	A cardiorespiratory classifier of voluntary and involuntary electrodermal activity. BioMedical Engineering OnLine, 2010, 9, 11.	2.7	14
22	Nascent Access Technologies for Individuals with Severe Motor Impairments. , 0, , 720-739.		0