Siamac Fazli

List of Publications by Year
in descending order

		430874	434195
56 papers	**3,359** citations	**18** h-index	**31** g-index
57 all docs	**57** docs citations	**57** times ranked	**3383** citing authors

#	Article	IF	Citations
1	Enhanced performance by a hybrid NIRS–EEG brain computer interface. NeuroImage, 2012, 59, 519-529.	4.2	595
2	Assessment and Validation of Machine Learning Methods for Predicting Molecular Atomization Energies. Journal of Chemical Theory and Computation, 2013, 9, 3404-3419.	5.3	499
3	The Berlin Brain–Computer Interface: Non-Medical Uses of BCI Technology. Frontiers in Neuroscience, 2010, 4, 198.	2.8	277
4	EEG dataset and OpenBMI toolbox for three BCI paradigms: an investigation into BCI illiteracy. GigaScience, 2019, 8, .	6.4	243
5	Subject-independent mental state classification in single trials. Neural Networks, 2009, 22, 1305-1312.	5.9	220
6	Bristle-sensors—low-cost flexible passive dry EEG electrodes for neurofeedback and BCI applications. Journal of Neural Engineering, 2011, 8, 025008.	3.5	208
7	On the feasibility of using motor imagery EEG-based brain–computer interface in chronic tetraplegics for assistive robotic arm control: a clinical test and long-term post-trial follow-up. Spinal Cord, 2012, 50, 599-608.	1.9	181
8	Single Trial Classification of Motor Imagination Using 6 Dry EEG Electrodes. PLoS ONE, 2007, 2, e637.	2.5	170
9	A High-Security EEG-Based Login System with RSVP Stimuli and Dry Electrodes. IEEE Transactions on Information Forensics and Security, 2016, 11, 2635-2647.	6.9	131
10	A High Performance Spelling System based on EEG-EOG Signals With Visual Feedback. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1443-1459.	4.9	128
11	Subject-dependent classification for robust idle state detection using multi-modal neuroimaging and data-fusion techniques in BCI. Pattern Recognition, 2015, 48, 2725-2737.	8.1	102
12	An Efficient ERP-Based Brain-Computer Interface Using Random Set Presentation and Face Familiarity. PLoS ONE, 2014, 9, e111157.	2.5	79
13	Multivariate Machine Learning Methods for Fusing Multimodal Functional Neuroimaging Data. Proceedings of the IEEE, 2015, 103, 1507-1530.	21.3	79
14	Learning From More Than One Data Source: Data Fusion Techniques for Sensorimotor Rhythm-Based Brain–Computer Interfaces. Proceedings of the IEEE, 2015, 103, 891-906.	21.3	75
15	Predicting BCI Subject Performance Using Probabilistic Spatio-Temporal Filters. PLoS ONE, 2014, 9, e87056.	2.5	62
16	Spatio-Spectral Feature Representation for Motor Imagery Classification Using Convolutional Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3038-3049.	11.3	55
17	ℓ1-penalized linear mixed-effects models for high dimensional data with application to BCI. NeuroImage, 2011, 56, 2100-2108.	4.2	38
18	Integration of Multivariate Data Streams With Bandpower Signals. IEEE Transactions on Multimedia, 2013, 15, 1001-1013.	7.2	31

#	Article	IF	Citations
19	Using NIRS as a predictor for EEG-based BCI performance. , 2012, 2012, 4911-4.		18
20	Brain Computer Interfacing: A Multi-Modal Perspective. Journal of Computing Science and Engineering, 2013, 7, 132-138.	0.6	18
21	Hybrid brain-computer interface based on EEG and NIRS modalities. , 2014, , .		17
22	Development of an open source platform for brain-machine interface: openBMI. , 2016, , .		16
23	The Berlin Brain-Computer Interface. Lecture Notes in Computer Science, 2008, , 79-101.	1.3	16
24	A bibliometric review of the water security concept in Central Asia. Environmental Research Letters, 2021, 16, 013001.	5.2	12
25	A Low-Cost, IMU-Based Real-Time On Device Gesture Recognition Glove. , 2020, , .		8
26	P300 visual speller based on random set presentation. , 2014, , .		6
27	Selective temporal filtering and its application to hand gesture recognition. Applied Intelligence, 2016, 45, 255-264.	5.3	6
28	Towards Paradigm-Independent Brain Computer Interfaces. , 2020, , .		6
29	Optimal channel selection based on statistical analysis in high dimensional NIRS data. , 2013, , .		5
30	Robust detection of event-related potentials in a user-voluntary short-term imagery task. PLoS ONE, 2019, 14, e0226236.	2.5	5
31	Detecting Mental States by Machine Learning Techniques: The Berlin Brainâ€"Computer Interface. The Frontiers Collection, 2009, , 113-135.	0.2	5
32	Multimodal imaging technique for rapid response brain-computer interface feedback. , 2013, , .		4
33	Multimodal integration of electrophysiological and hemodynamic signals. , 2014, , .		4
34	Single-trials ERPs predict correct answers to intelligence test questions. , 2014, , .		4
35	OpenBMI: A real-time data analysis toolbox for Brain-Machine Interfaces. , 2016, , .		4
36	EEG-Based Prediction of Successful Memory Formation During Vocabulary Learning. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2377-2389.	4.9	4

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37	Transmol: repurposing a language model for molecular generation. RSC Advances, 2021, 11, 25921-25932.	3.6	4
38	Using Rest Class and Control Paradigms for Brain Computer Interfacing. Lecture Notes in Computer Science, 2009, , 651-665.	1.3	4
39	cheML.io: an online database of ML-generated molecules. RSC Advances, 2020, 10, 45189-45198.	3.6	4
40	How visual attention affects choice outcomes: An eyetracking study. , 2015, , .		3
41	EEG-based decoding of declarative memory formation. , 2016, , .		3
42	â„“1-Penalized Linear Mixed-Effects Models for BCI. Lecture Notes in Computer Science, 2011, , 26-35.	1.3	3
43	Improving the Performance of Brain-Computer Interface Using Multi-modal Neuroimaging. , 2013, , .		2
44	Decoding of human memory formation with EEG signals using convolutional networks. , 2018, , .		2
45	Decoding cognitive brain states. , 2013, , .		1
46	Interdisciplinary Aspects of Cognition. Lecture Notes in Computer Science, 2020, , 103-118.	1.3	1
47	EEG-based brain-computer interface in chronic tetraplegics to actuate a robotic arm device as assistive technology - clinical survey and long term post trial follow-up. Biophilia, 2011, 1, 25-26.	0.1	1
48	EEG-based brain-computer interface in chronic tetraplegics to actuate a robotic arm device as assistive technology - clinical survey and long term post trial follow-up. Biophilia, 2011, 1, 4_28-4_28.	0.1	0
49	Tutorial on multimodal neuroimaging for brain-computer interfacing. , 2013, , .		0
50	Towards an enhanced ERP speller based on the visual processing of face familiarity. , 2014, 2014, 1330-3.		0
51	EEG-based neural decoding of Intelligence Questions. , 2015, , .		0
52	Predicting What You Remember from Brain Activity: EEG-Based Decoding of Long-Term Memory Formation. Lecture Notes in Computer Science, 2018, , 63-73.	1.3	0
53	Inter-subject correlations during natural viewing: A filter-bank approach*. , 2020, 2020, 200-203.		0
54	Using Rest Class and Control Paradigms forÂBrain Computer Interfacing. Human-computer Interaction Series, 2010, , 55-70.	0.6	0

#	ARTICLE	IF	CITATIONS
55	Benefits and Limits of Multimodal Neuroimaging for Brain Computer Interfaces. Trends in Augmentation of Human Performance, 2015, , 35-48.	0.4	0
56	Explainable machine learning for memory-related decoding via TabNet and non-linear features[â—]. , 2022, , .		0