

Siamac Fazli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8807055/publications.pdf>

Version: 2024-02-01

56
papers

3,359
citations

430874

18
h-index

434195

31
g-index

57
all docs

57
docs citations

57
times ranked

3383
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Explainable machine learning for memory-related decoding via TabNet and non-linear features^{â—}. , 2022, , .		0
3	Transmol: repurposing a language model for molecular generation. RSC Advances, 2021, 11, 25921-25932.	3.6	4
4	A bibliometric review of the water security concept in Central Asia. Environmental Research Letters, 2021, 16, 013001.	5.2	12
5	Inter-subject correlations during natural viewing: A filter-bank approach*. , 2020, 2020, 200-203.		0
6	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
7	Towards Paradigm-Independent Brain Computer Interfaces. , 2020, , .		6
8	Interdisciplinary Aspects of Cognition. Lecture Notes in Computer Science, 2020, , 103-118.	1.3	1
9	cheML.io: an online database of ML-generated molecules. RSC Advances, 2020, 10, 45189-45198.	3.6	4
10	A Low-Cost, IMU-Based Real-Time On Device Gesture Recognition Glove. , 2020, , .		8
11	EEG dataset and OpenBMI toolbox for three BCI paradigms: an investigation into BCI illiteracy. GigaScience, 2019, 8, .	6.4	243
12	Robust detection of event-related potentials in a user-voluntary short-term imagery task. PLoS ONE, 2019, 14, e0226236.	2.5	5
13	Decoding of human memory formation with EEG signals using convolutional networks. , 2018, , .		2
14	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
15	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
16	OpenBMI: A real-time data analysis toolbox for Brain-Machine Interfaces. , 2016, , .		4
17	Development of an open source platform for brain-machine interface: openBMI. , 2016, , .		16
18	EEG-based decoding of declarative memory formation. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
19	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
20	Selective temporal filtering and its application to hand gesture recognition. Applied Intelligence, 2016, 45, 255-264.	5.3	6
21	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
22	EEG-based neural decoding of Intelligence Questions. , 2015, , .		0
23	How visual attention affects choice outcomes: An eyetracking study. , 2015, , .		3
24	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
25	Multivariate Machine Learning Methods for Fusing Multimodal Functional Neuroimaging Data. Proceedings of the IEEE, 2015, 103, 1507-1530.	21.3	79
26	Benefits and Limits of Multimodal Neuroimaging for Brain Computer Interfaces. Trends in Augmentation of Human Performance, 2015, , 35-48.	0.4	0
27	Predicting BCI Subject Performance Using Probabilistic Spatio-Temporal Filters. PLoS ONE, 2014, 9, e87056.	2.5	62
28	An Efficient ERP-Based Brain-Computer Interface Using Random Set Presentation and Face Familiarity. PLoS ONE, 2014, 9, e111157.	2.5	79
29	Towards an enhanced ERP speller based on the visual processing of face familiarity. , 2014, 2014, 1330-3.		0
30	Hybrid brain-computer interface based on EEG and NIRS modalities. , 2014, , .		17
31	Multimodal integration of electrophysiological and hemodynamic signals. , 2014, , .		4
32	Single-trials ERPs predict correct answers to intelligence test questions. , 2014, , .		4
33	P300 visual speller based on random set presentation. , 2014, , .		6
34	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
35	Integration of Multivariate Data Streams With Bandpower Signals. IEEE Transactions on Multimedia, 2013, 15, 1001-1013.	7.2	31
36	Decoding cognitive brain states. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
37	Multimodal imaging technique for rapid response brain-computer interface feedback. , 2013, , .		4
38	Tutorial on multimodal neuroimaging for brain-computer interfacing. , 2013, , .		0
39	Optimal channel selection based on statistical analysis in high dimensional NIRS data. , 2013, , .		5
40	Improving the Performance of Brain-Computer Interface Using Multi-modal Neuroimaging. , 2013, , .		2
41	Brain Computer Interfacing: A Multi-Modal Perspective. Journal of Computing Science and Engineering, 2013, 7, 132-138.	0.6	18
42	Using NIRS as a predictor for EEG-based BCI performance. , 2012, 2012, 4911-4.		18
43	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
44	Enhanced performance by a hybrid NIRS-EEG brain computer interface. NeuroImage, 2012, 59, 519-529.	4.2	595
45	1-penalized linear mixed-effects models for high dimensional data with application to BCI. NeuroImage, 2011, 56, 2100-2108.	4.2	38
46	Bristle-sensors low-cost flexible passive dry EEG electrodes for neurofeedback and BCI applications. Journal of Neural Engineering, 2011, 8, 025008.	3.5	208
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, 4_28-4_28.	0.1	0
48	1-Penalized Linear Mixed-Effects Models for BCI. Lecture Notes in Computer Science, 2011, , 26-35.	1.3	3
49	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
50	The Berlin Brain-Computer Interface: Non-Medical Uses of BCI Technology. Frontiers in Neuroscience, 2010, 4, 198.	2.8	277
51	Using Rest Class and Control Paradigms for Brain Computer Interfacing. Human-computer Interaction Series, 2010, , 55-70.	0.6	0
52	Subject-independent mental state classification in single trials. Neural Networks, 2009, 22, 1305-1312.	5.9	220
53	Detecting Mental States by Machine Learning Techniques: The Berlin Brain-Computer Interface. The Frontiers Collection, 2009, , 113-135.	0.2	5
54	Using Rest Class and Control Paradigms for Brain Computer Interfacing. Lecture Notes in Computer Science, 2009, , 651-665.	1.3	4

#	ARTICLE	IF	CITATIONS
55	The Berlin Brain-Computer Interface. Lecture Notes in Computer Science, 2008, , 79-101.	1.3	16
56	Single Trial Classification of Motor Imagination Using 6 Dry EEG Electrodes. PLoS ONE, 2007, 2, e637.	2.5	170