

Manousos A Klados

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,719
citations

430874

18
h-index

345221

36
g-index

63
all docs

63
docs citations

63
times ranked

2614
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of physical and cognitive interventions in aging. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 44, 206-220.	6.1	295
2	Are Females More Responsive to Emotional Stimuli? A Neurophysiological Study Across Arousal and Valence Dimensions. <i>Brain Topography</i> , 2010, 23, 27-40.	1.8	223
3	Consensus on the reporting and experimental design of clinical and cognitive-behavioural neurofeedback studies (CRED-nf checklist). <i>Brain</i> , 2020, 143, 1674-1685.	7.6	188
4	REG-ICA: A hybrid methodology combining Blind Source Separation and regression techniques for the rejection of ocular artifacts. <i>Biomedical Signal Processing and Control</i> , 2011, 6, 291-300.	5.7	140
5	On the Classification of Emotional Biosignals Evoked While Viewing Affective Pictures: An Integrated Data-Mining-Based Approach for Healthcare Applications. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2010, 14, 309-318.	3.2	136
6	Functional disorganization of small-world brain networks in mild Alzheimer's Disease and amnesic Mild Cognitive Impairment: an EEG study using Relative Wavelet Entropy (RWE). <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 224.	3.4	87
7	A semi-simulated EEG/EOG dataset for the comparison of EOG artifact rejection techniques. <i>Data in Brief</i> , 2016, 8, 1004-1006.	1.0	78
8	A Framework Combining Delta Event-Related Oscillations (EROs) and Synchronisation Effects (ERD/ERS) to Study Emotional Processing. <i>Computational Intelligence and Neuroscience</i> , 2009, 2009, 1-16.	1.7	53
9	Investigating the Role of Alpha and Beta Rhythms in Functional Motor Networks. <i>Neuroscience</i> , 2018, 378, 54-70.	2.3	40
10	Beta-Band Functional Connectivity is Reorganized in Mild Cognitive Impairment after Combined Computerized Physical and Cognitive Training. <i>Frontiers in Neuroscience</i> , 2016, 10, 55.	2.8	37
11	A Systematic Review of Investigations into Functional Brain Connectivity Following Spinal Cord Injury. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 517.	2.0	36
12	Resting-State Functional Connectivity and Network Analysis of Cerebellum with Respect to IQ and Gender. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 189.	2.0	34
13	A Graph Theoretical Approach to Study the Organization of the Cortical Networks during Different Mathematical Tasks. <i>PLoS ONE</i> , 2013, 8, e71800.	2.5	32
14	Alcohol Affects the Brain's Resting-State Network in Social Drinkers. <i>PLoS ONE</i> , 2012, 7, e48641.	2.5	31
15	ERP measures of math anxiety: how math anxiety affects working memory and mental calculation tasks?. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 282.	2.0	29
16	Long-term impacts of prenatal synthetic glucocorticoids exposure on functional brain correlates of cognitive monitoring in adolescence. <i>Scientific Reports</i> , 2018, 8, 7715.	3.3	27
17	How does the metric choice affect brain functional connectivity networks?. <i>Biomedical Signal Processing and Control</i> , 2012, 7, 228-236.	5.7	26
18	Source Detection and Functional Connectivity of the Sensorimotor Cortex during Actual and Imaginary Limb Movement: A Preliminary Study on the Implementation of eConnectome in Motor Imagery Protocols. <i>Advances in Human-Computer Interaction</i> , 2012, 2012, 1-10.	2.8	24

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19	The Impact of Math Anxiety on Working Memory: A Cortical Activations and Cortical Functional Connectivity EEG Study. IEEE Access, 2019, 7, 15027-15039.	4.2	19
20	Double-Step Machine Learning Based Procedure for HFOs Detection and Classification. Brain Sciences, 2020, 10, 220.	2.3	19
21	Math anxiety: Brain cortical network changes in anticipation of doing mathematics. International Journal of Psychophysiology, 2017, 122, 24-31.	1.0	15
22	Automated individual-level parcellation of Broca's region based on functional connectivity. NeuroImage, 2018, 170, 41-53.	4.2	15
23	Automatic Recognition of Personality Profiles Using EEG Functional Connectivity during Emotional Processing. Brain Sciences, 2020, 10, 278.	2.3	13
24	The Removal Of Ocular Artifacts From EEG Signals: A Comparison of Performances For Different Methods. IFMBE Proceedings, 2009, , 1259-1263.	0.3	13
25	REG-ICA: A new hybrid method for EOG Artifact Rejection. , 2009, , .		11
26	Which BSS method separates better the EEG Signals? A comparison of five different algorithms. Biomedical Signal Processing and Control, 2022, 72, 103292.	5.7	9
27	An Automatic EEG Based System for the Recognition of Math Anxiety. , 2017, , .		8
28	A Kurtosis-Based Automatic System Using Naïve Bayesian Classifier to Identify ICA Components Contaminated by EOG or ECG Artifacts. IFMBE Proceedings, 2010, , 49-52.	0.3	7
29	The impact of audio-visual stimulation on alpha brain oscillations: An EEG study. , 2010, , .		6
30	Computerized physical and cognitive training improves the functional architecture of the brain in adults with Down syndrome: A network science EEG study. Network Neuroscience, 2021, 5, 274-294.	2.6	6
31	Interactive effects of dopamine transporter genotype and aging on resting-state functional networks. PLoS ONE, 2019, 14, e0215849.	2.5	4
32	Automatic Absence Seizure Detection Evaluating Matching Pursuit Features of EEG Signals. , 2019, , .		3
33	Functional Connectivity Analysis of Cerebellum Using Spatially Constrained Spectral Clustering. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1710-1719.	6.3	3
34	Small-world properties of brain Functional Connectivity Networks are affected by emotional stimuli. , 2010, , .		2
35	Towards a semantic framework for an integrative description of neuroscience patterns and studies: a case for emotion-related data. Studies in Health Technology and Informatics, 2009, 150, 322-6.	0.3	2
36	Does arousal and valence affect ERPs and brain connectivity? A study during an emotional paradigm. International Journal of Psychophysiology, 2010, 77, 266-266.	1.0	1

#	ARTICLE	IF	CITATIONS
37	Towards a graph theoretical approach to study gender lateralization effect in mathematical thinking. , 2012, , .		1
38	Predicting Cognitive Recovery of Stroke Patients from the Structural MRI Connectome Using a Naïve Bayesian Tree Classifier. , 2017, , .		1
39	FCLAB: An EEGLAB module for performing functional connectivity analysis on single-subject EEG data. , 2018, , .		1
40	A Modular Architecture of a Computer-Operated Olfactometer for Universal Use. IFMBE Proceedings, 2010, , 280-283.	0.3	1
41	Synchronization analysis of short EEG data through time-evolving relative wavelet entropy and IAPS affective visual stimuli. , 2010, , .		0
42	The effect of inebriation on human brain functional connectivity. International Journal of Psychophysiology, 2012, 85, 388-389.	1.0	0
43	A short review of computerized monitoring systems for ADHD. , 2013, , .		0
44	Design and Implementation of a Micro-rheometer for POC Applications. IFMBE Proceedings, 2016, , 457-461.	0.3	0
45	High-Frequency Oscillations in Epilepsy: A Short Review. , 2019, , .		0
46	Towards a Novel Way to Predict Deficits After a Brain Lesion: A Stroke Example. , 2019, , .		0
47	Affective Learning: Empathetic Embodied Conversational Agents to Modulate Brain Oscillations. IFMBE Proceedings, 2010, , 675-678.	0.3	0
48	Can the EEG Indicate the FiO2 Flow of a Mechanical Ventilator in ICU Patients with Respiratory Failure?. IFMBE Proceedings, 2010, , 827-830.	0.3	0
49	A Mahalanobis Distance Based Approach towards the Reliable Detection of Geriatric Depression Symptoms Co-existing with Cognitive Decline. International Federation for Information Processing, 2012, , 16-25.	0.4	0
50	Studying Functional Brain Networks to Understand Mathematical Thinking: A Graph-Theoretical Approach. IFMBE Proceedings, 2014, , 783-786.	0.3	0
51	Beyond the Clinical Use of Neurofeedback. Journal of Psychology & Clinical Psychiatry, 2014, 1, .	0.1	0