

Panagiotis C Petrantonakis

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,573
citations

933447

10
h-index

1058476

14
g-index

25
all docs

25
docs citations

25
times ranked

1781
citing authors

#	ARTICLE	IF	CITATIONS
1	Emotion Recognition From EEG Using Higher Order Crossings. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 186-197.	3.2	541
2	EEG-Based Brain-Computer Interfaces for Communication and Rehabilitation of People with Motor Impairment: A Novel Approach of the 21st Century. Frontiers in Human Neuroscience, 2018, 12, 14.	2.0	213
3	Emotion Recognition from Brain Signals Using Hybrid Adaptive Filtering and Higher Order Crossings Analysis. IEEE Transactions on Affective Computing, 2010, 1, 81-97.	8.3	203
4	A Novel Emotion Elicitation Index Using Frontal Brain Asymmetry for Enhanced EEG-Based Emotion Recognition. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 737-746.	3.2	186
5	In Vivo Imaging of Dentate Gyrus Mossy Cells in Behaving Mice. Neuron, 2017, 93, 552-559.e4.	8.1	166
6	Adaptive Emotional Information Retrieval From EEG Signals in the Time-Frequency Domain. IEEE Transactions on Signal Processing, 2012, 60, 2604-2616.	5.3	76
7	Dendrites of dentate gyrus granule cells contribute to pattern separation by controlling sparsity. Hippocampus, 2017, 27, 89-110.	1.9	50
8	Single-Trial NIRS Data Classification for Brain-Computer Interfaces Using Graph Signal Processing. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1700-1709.	4.9	27
9	EEG-based emotion recognition using hybrid filtering and higher order crossings. , 2009, , .		23
10	A compressed sensing perspective of hippocampal function. Frontiers in Systems Neuroscience, 2014, 8, 141.	2.5	23
11	Dentate Gyrus Circuitry Features Improve Performance of Sparse Approximation Algorithms. PLoS ONE, 2015, 10, e0117023.	2.5	18
12	Enhanced Sign Language Recognition Using Weighted Intrinsic-Mode Entropy and Signer's Level of Deafness. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1531-1543.	5.0	15
13	A Novel and Simple Spike Sorting Implementation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 323-333.	4.9	7
14	Adaptive extraction of emotion-related EEG segments using multidimensional directed information in time-frequency domain. , 2010, 2010, 1-4.		5
15	NOESIS: An Enhanced Educational Environment for Kids with Autism Spectrum Disorders. , 2008, , .		4
16	Higher Order Crossings Analysis of Signals Over Graphs. IEEE Signal Processing Letters, 2021, 28, 837-841.	3.6	4
17	Detection of Mental Task Related Activity in NIRS-BCI systems Using Dirichlet Energy over Graphs. , 2018, 2018, 85-88.		2
18	“SEE and SEE”: An Educational Tool for Kids with Hard of Hearing. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
19	An emotion elicitation metric for the Valence/Arousal and six basic emotions affective models: A comparative study. , 2010, , .		1
20	Towards predicting persistent activity of neurons by statistical and fractal dimension-based features. , 2013, , .		1
21	Grid cell firing field detection using compressed sensing. Biomedical Signal Processing and Control, 2018, 44, 221-228.	5.7	1
22	On the Talent vs. Luck-Based Evaluation of the Classification Process. IEEE Access, 2019, 7, 37565-37574.	4.2	1
23	First-person activity recognition from micro-action representations using convolutional neural networks and object flow histograms. Multimedia Tools and Applications, 2021, 80, 22487-22507.	3.9	0
24	Fourier Transform vs. Graph Fourier Transform for EEG-Based Emotion Recognition. IFMBE Proceedings, 2021, , 574-582.	0.3	0