

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	First-person activity recognition from micro-action representations using convolutional neural networks and object flow histograms. <i>Multimedia Tools and Applications</i> , 2021, 80, 22487-22507.	3.9	0
2	Higher Order Crossings Analysis of Signals Over Graphs. <i>IEEE Signal Processing Letters</i> , 2021, 28, 837-841.	3.6	4
3	Fourier Transform vs. Graph Fourier Transform for EEG-Based Emotion Recognition. <i>IFMBE Proceedings</i> , 2021, , 574-582.	0.3	0
4	On the Talent vs. Luck-Based Evaluation of the Classification Process. <i>IEEE Access</i> , 2019, 7, 37565-37574.	4.2	1
5	Detection of Mental Task Related Activity in NIRS-BCI systems Using Dirichlet Energy over Graphs. , 2018, 2018, 85-88.		2
6	Single-Trial NIRS Data Classification for Brain-Computer Interfaces Using Graph Signal Processing. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 1700-1709.	4.9	27
7	EEG-Based Brain-Computer Interfaces for Communication and Rehabilitation of People with Motor Impairment: A Novel Approach of the 21st Century. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 14.	2.0	213
8	Grid cell firing field detection using compressed sensing. <i>Biomedical Signal Processing and Control</i> , 2018, 44, 221-228.	5.7	1
9	In-Vivo Imaging of Dentate Gyrus Mossy Cells in Behaving Mice. <i>Neuron</i> , 2017, 93, 552-559.e4.	8.1	166
10	A Novel and Simple Spike Sorting Implementation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 323-333.	4.9	7
11	Dendrites of dentate gyrus granule cells contribute to pattern separation by controlling sparsity. <i>Hippocampus</i> , 2017, 27, 89-110.	1.9	50
12	Dentate Gyrus Circuitry Features Improve Performance of Sparse Approximation Algorithms. <i>PLoS ONE</i> , 2015, 10, e0117023.	2.5	18
13	A compressed sensing perspective of hippocampal function. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 141.	2.5	23
14	Towards predicting persistent activity of neurons by statistical and fractal dimension-based features. , 2013, , .		1
15	Adaptive Emotional Information Retrieval From EEG Signals in the Time-Frequency Domain. <i>IEEE Transactions on Signal Processing</i> , 2012, 60, 2604-2616.	5.3	76
16	Enhanced Sign Language Recognition Using Weighted Intrinsic-Mode Entropy and Signer's Level of Deafness. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011, 41, 1531-1543.	5.0	15
17	A Novel Emotion Elicitation Index Using Frontal Brain Asymmetry for Enhanced EEG-Based Emotion Recognition. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2011, 15, 737-746.	3.2	186
18	An emotion elicitation metric for the Valence/Arousal and six basic emotions affective models: A comparative study. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
19	Emotion Recognition From EEG Using Higher Order Crossings. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 186-197.	3.2	541
20	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
21	Adaptive extraction of emotion-related EEG segments using multidimensional directed information in time-frequency domain. , 2010, 2010, 1-4.		5
22	EEG-based emotion recognition using hybrid filtering and higher order crossings. , 2009, , .		23
23	NOESIS: An Enhanced Educational Environment for Kids with Autism Spectrum Disorders. , 2008, , .		4
24	“SEE and SEE”; An Educational Tool for Kids with Hard of Hearing. , 2008, , .		1