

Georgios N Dimitrakopoulos

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

486
citations

933447

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h-index

940533

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30
docs citations

30
times ranked

488
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Connectivity Analysis of Mental Fatigue Reveals Different Network Topological Alterations Between Driving and Vigilance Tasks. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 740-749.	4.9	108
2	Task-Independent Mental Workload Classification Based Upon Common Multiband EEG Cortical Connectivity. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1940-1949.	4.9	88
3	Mental Workload Drives Different Reorganizations of Functional Cortical Connectivity Between 2D and 3D Simulated Flight Experiments. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1704-1713.	4.9	61
4	EEG Fingerprints of Task-Independent Mental Workload Discrimination. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3824-3833.	6.3	36
5	Pathway analysis using XGBoost classification in Biomedical Data. , 2018, , .		24
6	Tamoxifen Integromics and Personalized Medicine: Dynamic Modular Transformations Underpinning Response to Tamoxifen in Breast Cancer Treatment. OMICS A Journal of Integrative Biology, 2014, 18, 15-33.	2.0	18
7	PICKLE 3.0: enriching the human meta-database with the mouse protein interactome extended <i>via</i> mouse-human orthology. Bioinformatics, 2021, 37, 145-146.	4.1	16
8	What Are Spectral and Spatial Distributions of EEG-EMG Correlations in Overground Walking? An Exploratory Study. IEEE Access, 2019, 7, 143935-143946.	4.2	13
9	Influenza A Immunomics and Public Health Omics: The Dynamic Pathway Interplay in Host Response to H1N1 Infection. OMICS A Journal of Integrative Biology, 2014, 18, 167-183.	2.0	12
10	A Sensor-Based Perspective in Early-Stage Parkinson's Disease: Current State and the Need for Machine Learning Processes. Sensors, 2022, 22, 409.	3.8	12
11	A Clustering based Method Accelerating Gene Regulatory Network Reconstruction. Procedia Computer Science, 2014, 29, 1993-2002.	2.0	11
12	Driving Mental Fatigue Classification Based on Brain Functional Connectivity. Communications in Computer and Information Science, 2017, , 465-474.	0.5	11
13	A Machine Learning fMRI Approach in the Diagnosis of Autism. , 2020, , .		11
14	How Far Are We from the Completion of the Human Protein Interactome Reconstruction?. Biomolecules, 2022, 12, 140.	4.0	11
15	Identifying miRNA-mediated signaling subpathways by integrating paired miRNA/mRNA expression data with pathway topology. , 2015, 2015, 3997-4000.		10
16	Identifying disease network perturbations through regression on gene expression and pathway topology analysis. , 2016, 2016, 5969-5972.		7
17	A mental fatigue index based on regression using multiband EEG features with application in simulated driving. , 2017, 2017, 3220-3223.		6
18	Visualizing High-Dimensional Single-Cell RNA-seq Data via Random Projections and Geodesic Distances. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
19	Age-related subpathway detection through meta-analysis of multiple gene expression datasets. , 2015, , .		5
20	Identification of gait-related brain activity using electroencephalographic signals. , 2017, , .		5
21	XGRN: Reconstruction of Biological Networks Based on Boosted Trees Regression. Computation, 2021, 9, 48.	2.0	4
22	Supervised method for construction of microRNA-mRNA networks: Application in cardiac tissue aging dataset. , 2014, 2014, 318-21.		3
23	Single-cell regulatory network inference and clustering from high-dimensional sequencing data. , 2019, , .		3
24	Humanâ€Machine Interfaces for Motor Rehabilitation. Studies in Computational Intelligence, 2020, , 1-16.	0.9	2
25	Recent Dimensionality Reduction Techniques for Visualizing High-Dimensional Parkinsonâ€™s Disease Omics Data. , 2021, , .		1
26	A single-cell Systems Biology approach for disease-specific subpathway extraction. , 2019, , .		0
27	Enhancing Clustering of Single-Cell RNA-Seq Data by Proximity Learning on Random Projected Spaces. , 2019, , .		0
28	Evaluating Memory and Cognition via a Wearable EEG System: A Preliminary Study. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 52-66.	0.3	0