Petros Xanthopoulos

List of Publications by Year
in descending order

48 papers	1,647 citations	516215 16 h-index	360668 35 g-index
50 all docs	50 docs citations	50 times ranked	2366 citing authors

#	ARTICLE	IF	CITATIONS
1	Review on solving the inverse problem in EEG source analysis. Journal of NeuroEngineering and Rehabilitation, 2008, 5, 25.	2.4	865
2	A weighted support vector machine method for control chart pattern recognition. Computers and Industrial Engineering, 2014, 70, 134-149.	3.4	82
3	Estimating the number of clusters in a dataset via consensus clustering. Expert Systems With Applications, 2019, 125, 33-39.	4.4	81
4	Assessment of Linear and Nonlinear Synchronization Measures for Analyzing EEG in a Mild Epileptic Paradigm. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 433-441.	3.6	58
5	Raman Spectroscopy for Clinical Oncology. Advances in Optical Technologies, 2011, 2011, 1-20.	0.8	56
6	A priori synthetic over-sampling methods for increasing classification sensitivity in imbalanced data sets. Expert Systems With Applications, 2016, 66, 124-135.	4.4	53
7	Social Planner's Solution for the Caspian Sea Conflict. Group Decision and Negotiation, 2014, 23, 579-596.	2.0	42
8	Time–frequency analysis methods to quantify the time-varying microstructure of sleep EEG spindles: Possibility for dementia biomarkers?. Journal of Neuroscience Methods, 2009, 185, 133-142.	1.3	39
9	Enhanced crane operations in construction using service request optimization. Automation in Construction, 2014, 47, 69-77.	4.8	31
10	Soil-Compressibility Prediction Models Using Machine Learning. Journal of Computing in Civil Engineering, 2018, 32, .	2.5	26
11	Robust generalized eigenvalue classifier with ellipsoidal uncertainty. Annals of Operations Research, 2014, 216, 327-342.	2.6	24
12	Online feature importance ranking based on sensitivity analysis. Expert Systems With Applications, 2017, 85, 397-406.	4.4	24
13	A robust unsupervised consensus control chart pattern recognition framework. Expert Systems With Applications, 2015, 42, 6767-6776.	4.4	23
14	Sparse Proximal Support Vector Machines for feature selection in high dimensional datasets. Expert Systems With Applications, 2015, 42, 9183-9191.	4.4	23
15	A Novel Wavelet Based Algorithm for Spike and Wave Detection in Absence Epilepsy. , 2010, , .		19
16	Weighted relaxed support vector machines. Annals of Operations Research, 2017, 249, 235-271.	2.6	18
17	Potential dementia biomarkers based on the time-varying microstructure of sleep EEG spindles. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2464-7.	0.5	16
18	Data Mining Techniques in Agricultural and Environmental Sciences. International Journal of Agricultural and Environmental Information Systems, 2010, 1, 26-40.	1.8	14

#	Article	IF	Citations
19	Settlement Prediction Using Support Vector Machine (SVM)-Based Compressibility Models: A Case Study. International Journal of Civil Engineering, 2019, 17, 1547-1557.	0.9	13
20	A weighted framework for unsupervised ensemble learning based on internal quality measures. Annals of Operations Research, 2019, 276, 229-247.	2.6	12
21	Realâ€time differentiation of nonconvulsive status epilepticus from other encephalopathies using quantitative EEG analysis: A pilot study. Epilepsia, 2010, 51, 243-250.	2.6	11
22	Detection of error-related negativity in complex visual stimuli: a new neuroergonomic arrow in the practitionerâ€™s quiver. Ergonomics, 2017, 60, 234-240.	1.1	11
23	Classification of cancer cell death with spectral dimensionality reduction and generalized eigenvalues. Artificial Intelligence in Medicine, 2011, 53, 119-125.	3.8	10
24	Relaxed support vector regression. Annals of Operations Research, 2019, 276, 191-210.	2.6	9
25	An ambulatory persistence power curve: Motor planning affects ambulatory persistence in Parkinson's disease. Neuroscience Letters, 2008, 448, 105-109.	1.0	8
26	Constrained subspace classifier for high dimensional datasets. Omega, 2016, 59, 40-46.	3.6	8
27	Constraint relaxation, cost-sensitive learning and bagging for imbalanced classification problems with outliers. Optimization Letters, 2017, 11, 915-928.	0.9	8
28	Day-neutral Strawberries for High Tunnel Production in the Central United States. HortTechnology, 2018, 28, 154-165.	0.5	8
29	A Review on Consensus Clustering Methods. , 2014, , 553-566.		8
30	Data Mining in Psychiatric Research. Methods in Molecular Biology, 2012, 829, 593-603.	0.4	8
31	A robust spike and wave algorithm for detecting seizures in a genetic absence seizure model. , 2009, 2009, 2184-7.		7
32	A reduced variance unsupervised ensemble learning algorithm based on modern portfolio theory. Expert Systems With Applications, 2021, 180, 115085.	4.4	7
33	Modeling the time-varying microstructure of simulated sleep EEG spindles using time-frequency analysis methods. , 2006, 2006, 2438-41.		6
34	Quantitative analysis on electrooculography (EOG) for neurodegenerative disease. AIP Conference Proceedings, 2007, , .	0.3	4
35	Optimization and data mining in medicine. Top, 2009, 17, 215-236.	1.1	3
36	A Retrospective Review of Social Networks. , 2009, , .		3

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37	Preliminary Hybrid Modeling of the Panama Canal: Operations and Salinity Diffusion. Modelling and Simulation in Engineering, 2012, 2012, 1-9.	0.4	2
38	Analysis of the Expansion of the Panama Canal using simulation modeling and artificial intelligence. , 2014, , .		2
39	Quantum computing in control and optimization. , 2007, , .		1
40	Inverse source localization for EEG using system identification approach. AIP Conference Proceedings, 2007, , .	0.3	1
41	Feature importance ranking for classification in mixed online environments. Annals of Operations Research, 2019, 276, 315-330.	2.6	1
42	Imbalanced Classification for Business Analytics. , 2014, , 1145-1154.		1
43	Numerical limitations in application of vector autoregressive modeling and Granger causality to analysis of EEG time series. AIP Conference Proceedings, 2007, , .	0.3	0
44	Antiepileptic drug intervention decouples electroencephalogram (EEG) signals: A case study in Unverricht-Lundborg Disease. , 2008, 2008, 2108-11.		0
45	Rejoinder on: Optimization and data mining inÂbiomedicine. Top, 2009, 17, 253-255.	1.1	0
46	Caseâ€"Production Scheduling at DeLand Crayon Company. INFORMS Transactions on Education, 2020, 20, 99-101.	0.4	0
47	Case Articleâ€"DeLand Crayon Company: An Application of the Traveling Salesman Problem to Production Scheduling with Sequence-Dependent Setup Times. INFORMS Transactions on Education, 2020, 20, 93-98.	0.4	0
48	A Spectral Clustering Approach for Modeling Connectivity Patterns in Electroencephalogram Sensor Networks. Springer Optimization and Its Applications, 2012, , 231-242.	0.6	0