Evanthia E Tripoliti

List of Publications by Year
in descending order

43	914	759233 12	794594 19
papers	citations	h-index	g-index

44	44	44	1324
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	COLET: A dataset for COgnitive workLoad estimation based on eye-tracking. Computer Methods and Programs in Biomedicine, 2022, 224, 106989.	4.7	8
2	Salivary Biomarkers for Diagnosis and Therapy Monitoring in Patients with Heart Failure. A Systematic Review. Diagnostics, 2021, 11, 824.	2.6	7
3	A Machine Learning Approach for Chronic Heart Failure Diagnosis. Diagnostics, 2021, 11, 1863.	2.6	21
4	A machine learning approach to predict emotional arousal and valence from gaze extracted features. , 2021, , .		3
5	Cognitive workload level estimation based on eye tracking: A machine learning approach. , 2021, , .		2
6	Clustering based Segmentation of MR Images for the Delineation and Monitoring of Multiple Sclerosis Progression. , 2021, , .		0
7	Point-of-Care Testing Devices for Heart Failure Analyzing Blood and Saliva Samples. IEEE Reviews in Biomedical Engineering, 2020, 13, 17-31.	18.0	11
8	HEARTEN KMS â€“ A knowledge management system targeting the management of patients with heart failure. Journal of Biomedical Informatics, 2019, 94, 103203.	4.3	16
9	ProMiSi Architecture - A Tool for the Estimation of the Progression of Multiple Sclerosis Disease using MRI. , 2019, , .		4
10	Estimation of New York Heart Association class in heart failure patients based on machine learning techniques. , 2017, , .		5
11	The Evolution of mHealth Solutions for Heart Failure Management. Advances in Experimental Medicine and Biology, 2017, 1067, 353-371.	1.6	9
12	Heart Failure: Diagnosis, Severity Estimation and Prediction of Adverse Events Through Machine Learning Techniques. Computational and Structural Biotechnology Journal, 2017, 15, 26-47.	4.1	150
13	Predicting Heart Failure Patient Events by Exploiting Saliva and Breath Biomarkers Information. , 2017, , .		3
14	A computational approach for the estimation of heart failure patients status using saliva biomarkers. , 2017, 2017, 3648-3651.		6
15	Estimation of Heart Failure Patients Medication Adherence through the Utilization of Saliva and Breath Biomarkers and Data Mining Techniques. , 2017, , .		3
16	A computer-aided automated methodology for the detection and classification of occlusal caries from photographic color images. Computers in Biology and Medicine, 2015, 62, 119-135.	7.0	46
17	Computer-Based Assessment of Alzheimerâ€™s Disease Employing fMRI and/or EEG: A Comprehensive Review. Neuromethods, 2014, , 351-383.	0.3	1
18	Stent Deployment Computer Based Simulations for Health Care Treatment of Diseased Arteries. Annals of Information Systems, 2014, , 143-167.	0.5	0

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19	Occlusal caries detection using random walker algorithm: A graph approach. , 2014, 2014, 1929-32.		1
20	Modifications of the construction and voting mechanisms of the Random Forests Algorithm. Data and Knowledge Engineering, 2013, 87, 41-65.	3.4	30
21	E-learning templates for peripheral vascular stenting. , 2013, , .		0
22	Modeling stent deployment in realistic arterial segment geometries: The effect of the plaque composition. , 2013, , .		6
23	Crafting vascular medicine training scenarios: The RT3S authoring tool. , 2013, , .		1
24	Application of decisional models to the health-economic assessment of new interactive clinical software. , 2013, , .		2
25	Automatic detection of freezing of gait events in patients with Parkinson's disease. Computer Methods and Programs in Biomedicine, 2013, 110, 12-26.	4.7	166
26	Detection of occlusal caries based on digital image processing. , 2013, , .		13
27	Automated Diagnosis of Diseases Based on Classification: Dynamic Determination of the Number of Trees in Random Forests Algorithm. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 615-622.	3.2	30
28	Assessment of Tremor Activity in the Parkinsonâ€™s Disease Using a Set of Wearable Sensors. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 478-487.	3.2	183
29	A supervised method to assist the diagnosis and monitor progression of Alzheimer's disease using data from an fMRI experiment. Artificial Intelligence in Medicine, 2011, 53, 35-45.	6.5	32
30	Feature Selection in HRV Analysis of Young and Elderly Subjects. IFMBE Proceedings, 2011, , 516-519.	0.3	2
31	Bayesian Methods for fMRI Time-Series Analysis Using a Nonstationary Model for the Noise. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 664-674.	3.2	15
32	A six stage approach for the diagnosis of the Alzheimerâ€™s disease based on fMRI data. Journal of Biomedical Informatics, 2010, 43, 307-320.	4.3	65
33	Knowledge extraction in a population suffering from heart failure. , 2010, , .		1
34	Dynamic construction of Random Forests: Evaluation using biomedical engineering problems. , 2010, , .		11
35	A decision support tool for optimal Levodopa administration in Parkinson's disease. , 2010, , .		4
36	A sparse linear model for the analysis of fMRI data with non stationary noise. , 2009, , .		1

#	Article	IF	Citations
37	A bayesian spatio - temporal approach for the analysis of FMRI data with non - stationary noise. , 2009, 2009, 4444-8.		1
38	Diagnosis of Alzheimerâ€™s Disease Using fMRI Data and Modifications of Random Forests Algorithm. IFMBE Proceedings, 2009, , 754-757.	0.3	2
39	A sparse variational Bayesian approach for fMRI data analysis. , 2008, , .		3
40	A supervised method to assist the diagnosis and classification of the status of Alzheimer's disease using data from an fMRI experiment. , 2008, 2008, 4419-22.		19
41	A supervised method to assist the diagnosis of Alzheimer's Disease based on functional Magnetic Resonance Imaging. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3426-9.	0.5	12
42	Automated segmentation and quantification of inflammatory tissue of the hand in rheumatoid arthritis patients using magnetic resonance imaging data. Artificial Intelligence in Medicine, 2007, 40, 65-85.	6.5	18
43	AUTOMATED DIAGNOSIS AND QUANTIFICATION OF RHEUMATOID ARTHRITIS USING MRI. , 2004, , .		0