

# Leontios J Hadjileontiadis

## List of Publications by Year in descending order

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174  
papers

5,950  
citations

76196

40  
h-index

85405

71  
g-index

185  
all docs

185  
docs citations

185  
times ranked

5016  
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.	3.6	541
2	An open access database for the evaluation of heart sound algorithms. Physiological Measurement, 2016, 37, 2181-2213.	1.2	473
3	PAI-S/K: A robust automatic seismic P phase arrival identification scheme. IEEE Transactions on Geoscience and Remote Sensing, 2002, 40, 1395-1404.	2.7	206
4	Toward an EEG-Based Recognition of Music Liking Using Time-Frequency Analysis. IEEE Transactions on Biomedical Engineering, 2012, 59, 3498-3510.	2.5	206
5	Emotion Recognition from Brain Signals Using Hybrid Adaptive Filtering and Higher Order Crossings Analysis. IEEE Transactions on Affective Computing, 2010, 1, 81-97.	5.7	203
6	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.	3.6	186
7	Wheeze detection based on time-frequency analysis of breath sounds. Computers in Biology and Medicine, 2007, 37, 1073-1083.	3.9	180
8	Efficient Heart Sound Segmentation and Extraction Using Ensemble Empirical Mode Decomposition and Kurtosis Features. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1138-1152.	3.9	151
9	Detection of explosive lung and bowel sounds by means of fractal dimension. IEEE Signal Processing Letters, 2003, 10, 311-314.	2.1	121
10	Time-frequency analysis of the free vibration response of a beam with a breathing crack. NDT and E International, 2005, 38, 3-10.	1.7	114
11	Separation of discontinuous adventitious sounds from vesicular sounds using a wavelet-based filter. IEEE Transactions on Biomedical Engineering, 1997, 44, 1269-1281.	2.5	112
12	Fractal dimension analysis for crack identification in beam structures. Mechanical Systems and Signal Processing, 2005, 19, 659-674.	4.4	106
13	Crack detection in plates using fractal dimension. Engineering Structures, 2007, 29, 1612-1625.	2.6	98
14	Forced vibration behaviour and crack detection of cracked beams using instantaneous frequency. NDT and E International, 2005, 38, 411-419.	1.7	92
15	Swarm Intelligence for Detecting Interesting Events in Crowded Environments. IEEE Transactions on Image Processing, 2015, 24, 2153-2166.	6.0	90
16	Adaptive reduction of heart sounds from lung sounds using fourth-order statistics. IEEE Transactions on Biomedical Engineering, 1997, 44, 642-648.	2.5	88
17	A two-dimensional wavelet transform for detection of cracks in plates. Engineering Structures, 2005, 27, 1327-1338.	2.6	86
18	Sign Language Recognition Using Intrinsic-Mode Sample Entropy on sEMG and Accelerometer Data. IEEE Transactions on Biomedical Engineering, 2009, 56, 2879-2890.	2.5	81

#	ARTICLE	IF	CITATIONS
19	EEG-Based Classification of Music Appraisal Responses Using Time-Frequency Analysis and Familiarity Ratings. <i>IEEE Transactions on Affective Computing</i> , 2013, 4, 161-172.	5.7	80
20	Adaptive Emotional Information Retrieval From EEG Signals in the Time-Frequency Domain. <i>IEEE Transactions on Signal Processing</i> , 2012, 60, 2604-2616.	3.2	76
21	A wavelet-based reduction of heart sound noise from lung sounds. <i>International Journal of Medical Informatics</i> , 1998, 52, 183-190.	1.6	71
22	Surface EMG analysis on normal subjects based on isometric voluntary contraction. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, 157-171.	0.7	70
23	ECG data compression using wavelets and higher order statistics methods. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2001, 5, 108-115.	3.6	64
24	Touchscreen typing-pattern analysis for detecting fine motor skills decline in early-stage Parkinson's disease. <i>Scientific Reports</i> , 2018, 8, 7663.	1.6	59
25	Touchscreen typing pattern analysis for remote detection of the depressive tendency. <i>Scientific Reports</i> , 2019, 9, 13414.	1.6	59
26	Enhancement of bowel sounds by wavelet-based filtering. <i>IEEE Transactions on Biomedical Engineering</i> , 2000, 47, 876-886.	2.5	56
27	Swarm decomposition: A novel signal analysis using swarm intelligence. <i>Signal Processing</i> , 2017, 132, 40-50.	2.1	55
28	Analysis of Wheezes Using Wavelet Higher Order Spectral Features. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 1596-1610.	2.5	53
29	A Multimodal Approach for the Safeguarding and Transmission of Intangible Cultural Heritage: The Case of i-Treasures. <i>IEEE Intelligent Systems</i> , 2018, 33, 3-16.	4.0	53
30	Brain source localization of MMN, P300 and N400: Aging and gender differences. <i>Brain Research</i> , 2015, 1603, 32-49.	1.1	52
31	Evidence of Variabilities in EEG Dynamics During Motor Imagery-Based Multiclass Brain-Computer Interface. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 371-382.	2.7	52
32	Wavelet-Based Enhancement of Lung and Bowel Sounds Using Fractal Dimension Thresholding Part I: Methodology. <i>IEEE Transactions on Biomedical Engineering</i> , 2005, 52, 1143-1148.	2.5	51
33	Automatic P Phase Picking Using Maximum Kurtosis and $\chi^2$ -Statistics Criteria. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2004, 1, 147-151.	1.4	49
34	Crack detection in beams using kurtosis. <i>Computers and Structures</i> , 2005, 83, 909-919.	2.4	49
35	Brain source localization of MMN and P300 ERPs in mild cognitive impairment and Alzheimer's disease: a high-density EEG approach. <i>Neurobiology of Aging</i> , 2017, 55, 190-201.	1.5	49
36	DeepLMS: a deep learning predictive model for supporting online learning in the Covid-19 era. <i>Scientific Reports</i> , 2020, 10, 19888.	1.6	47

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37	In vitro–in vivo correlations of self-emulsifying drug delivery systems combining the dynamic lipolysis model and neuro-fuzzy networks. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 887-898.	2.0	46
38	Obstacle Detection using Stereo Imaging to Assist the Navigation of Visually Impaired People. <i>Procedia Computer Science</i> , 2012, 14, 83-93.	1.2	46
39	Wavelet-Based Enhancement of Lung and Bowel Sounds Using Fractal Dimension Thresholding –Part II: Application Results. <i>IEEE Transactions on Biomedical Engineering</i> , 2005, 52, 1050-1064.	2.5	45
40	A novel technique for denoising explosive lung sounds empirical mode decomposition and fractal dimension foilte. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2007, 26, 30-39.	1.1	44
41	Capsule endoscopy image analysis using texture information from various colour models. <i>Computer Methods and Programs in Biomedicine</i> , 2012, 107, 61-74.	2.6	43
42	Fuzzy cognitive mapping of LMS users’ Quality of Interaction within higher education blended-learning environment. <i>Expert Systems With Applications</i> , 2015, 42, 7399-7423.	4.4	43
43	Cognitive MMN and P300 in mild cognitive impairment and Alzheimer's disease: A high density EEG-3D vector field tomography approach. <i>Brain Research</i> , 2016, 1648, 425-433.	1.1	43
44	An orthogonal least squares-based fuzzy filter for real-time analysis of lung sounds. <i>IEEE Transactions on Biomedical Engineering</i> , 2000, 47, 1165-1176.	2.5	42
45	EEG-Based Tonic Cold Pain Characterization Using Wavelet Higher Order Spectral Features. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 1981-1991.	2.5	41
46	DeepFoG: An IMU-Based Detection of Freezing of Gait Episodes in Parkinson’s Disease Patients via Deep Learning. <i>Frontiers in Robotics and AI</i> , 2021, 8, 537384.	2.0	37
47	Towards an Intelligent Learning Management System Under Blended Learning. <i>Intelligent Systems Reference Library</i> , 2014, , .	1.0	35
48	Computer-based concept mapping combined with learning management system use: An explorative study under the self- and collaborative-mode. <i>Computers and Education</i> , 2017, 107, 127-146.	5.1	35
49	Image-Based Visibility Estimation Algorithm for Intelligent Transportation Systems. <i>IEEE Access</i> , 2018, 6, 76728-76740.	2.6	35
50	An iterative kurtosis-based technique for the detection of nonstationary bioacoustic signals. <i>Signal Processing</i> , 2006, 86, 3787-3795.	2.1	34
51	Nonlinear analysis of wheezes using wavelet bicoherence. <i>Computers in Biology and Medicine</i> , 2007, 37, 563-570.	3.9	33
52	Unobtrusive detection of Parkinson’s disease from multi-modal and in-the-wild sensor data using deep learning techniques. <i>Scientific Reports</i> , 2020, 10, 21370.	1.6	32
53	Evaluation of surface EMG features for the recognition of American Sign Language gestures. , 2006, 2006, 6197-200.		31
54	A Texture-Based Classification of Crackles and Squawks Using Lacunarity. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 718-732.	2.5	31

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55	Potential of hybrid adaptive filtering in inflammatory lesion detection from capsule endoscopy images. <i>World Journal of Gastroenterology</i> , 2016, 22, 8641.	1.4	31
56	Fetal Heart Sounds Detection Using Wavelet Transform and Fractal Dimension. <i>Frontiers in Bioengineering and Biotechnology</i> , 2017, 5, 49.	2.0	30
57	Diagnostic accuracy of keystroke dynamics as digital biomarkers for fine motor decline in neuropsychiatric disorders: a systematic review and meta-analysis. <i>Scientific Reports</i> , 2022, 12, 7690.	1.6	30
58	A curvelet-based lacunarity approach for ulcer detection from Wireless Capsule Endoscopy images. , 2013, , .		27
59	Parkinsonâ€™s Disease Detection Based on Running Speech Data From Phone Calls. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 1573-1584.	2.5	27
60	Bowel sounds analysis: a novel noninvasive method for diagnosis of small-volume ascites. <i>Digestive Diseases and Sciences</i> , 2003, 48, 1630-1636.	1.1	26
61	On Applying Continuous Wavelet Transform in Wheeze Analysis. , 2004, 2004, 3832-5.		25
62	Motor Impairment Estimates via Touchscreen Typing Dynamics Toward Parkinson's Disease Detection From Data Harvested In-the-Wild. <i>Frontiers in ICT</i> , 2018, 5, .	3.6	25
63	Sentiment Analysis Techniques and Applications in Education: A Survey. <i>Communications in Computer and Information Science</i> , 2019, , 412-427.	0.4	25
64	Computer-aided capsule endoscopy images evaluation based on color rotation and texture features: An educational tool to physicians. , 2013, , .		24
65	Digital Health Technologies for Long-term Self-management of Osteoporosis: Systematic Review and Meta-analysis. <i>JMIR MHealth and UHealth</i> , 2022, 10, e32557.	1.8	24
66	Real-time separation of discontinuous adventitious sounds from vesicular sounds using a fuzzy rule-based filter. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 1998, 2, 204-215.	3.6	23
67	EEG-based emotion recognition using hybrid filtering and higher order crossings. , 2009, , .		23
68	Bullying incidences identification within an immersive environment using HD EEG-based analysis: A Swarm Decomposition and Deep Learning approach. <i>Scientific Reports</i> , 2017, 7, 17292.	1.6	23
69	Estimating Left Ventricle Ejection Fraction Levels Using Circadian Heart Rate Variability Features and Support Vector Regression Models. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 746-754.	3.9	23
70	Brain-Computer Interface (BCI): Types, Processing Perspectives and Applications. <i>Smart Innovation, Systems and Technologies</i> , 2010, , 299-321.	0.5	23
71	Detection of Mild Cognitive Impairment Through Natural Language and Touchscreen Typing Processing. <i>Frontiers in Digital Health</i> , 2020, 2, 567158.	1.5	22
72	Screening of Parkinsonian subtle fine-motor impairment from touchscreen typing via deep learning. <i>Scientific Reports</i> , 2020, 10, 12623.	1.6	22

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73	Using sample entropy for automated sign language recognition on sEMG and accelerometer data. Medical and Biological Engineering and Computing, 2010, 48, 255-267.	1.6	21
74	Timeâ€‘frequency analysis of transient dispersive waves: A comparative study. Applied Acoustics, 2007, 68, 296-309.	1.7	18
75	A Hybrid EMD-Kurtosis Method for Estimating Fetal Heart Rate from Continuous Doppler Signals. Frontiers in Physiology, 2017, 8, 641.	1.3	18
76	Submaximal Fatigue and Recovery in Boys and Men. International Journal of Sports Medicine, 2009, 30, 741-746.	0.8	17
77	Abnormal pattern detection in Wireless Capsule Endoscopy images using nonlinear analysis in RGB color space. , 2010, 2010, 3674-7.		17
78	Revealing Action Representation Processes in Audio Perception Using Fractal EEG Analysis. IEEE Transactions on Biomedical Engineering, 2011, 58, 1120-1129.	2.5	17
79	Enhanced interâ€‘subject brain computer interface with associative sensorimotor oscillations. Healthcare Technology Letters, 2017, 4, 39-43.	1.9	17
80	Kurtosis analysis for crack detection in thin isotropic rectangular plates. Engineering Structures, 2007, 29, 2353-2364.	2.6	16
81	Fuzzy logicâ€‘based risk of fall estimation using smartwatch data as a means to form an assistive feedback mechanism in everyday living activities. Healthcare Technology Letters, 2016, 3, 263-268.	1.9	16
82	Discrimination analysis of discontinuous breath sounds using higher-order crossings. Medical and Biological Engineering and Computing, 2003, 41, 445-455.	1.6	15
83	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.	5.5	15
84	Early Parkinsonâ€™s Disease Detection via Touchscreen Typing Analysis using Convolutional Neural Networks. , 2019, 2019, 3535-3538.		14
85	Reduced pain and analgesic use after acoustic binaural beats therapy in chronic pain â€‘A doubleâ€‘blind randomized control crossâ€‘over trial. European Journal of Pain, 2020, 24, 1716-1729.	1.4	14
86	Continuous wavelet transform and higher-order spectrum: combinatory potentialities in breath sound analysis and electroencephalogram-based pain characterization. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170249.	1.6	12
87	Wavelet Entropy-Based Inter-subject Associative Cortical Source Localization for Sensorimotor BCI. Frontiers in Neuroinformatics, 2019, 13, 47.	1.3	12
88	Analysis of Fetal Heart Rate in Healthy and Pathological Pregnancies Using Wavelet-based Features. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 1908-11.	0.5	11
89	Lung Sounds: An Advanced Signal Processing Perspective. Synthesis Lectures on Biomedical Engineering, 2008, 3, 1-100.	0.1	11
90	Sensorimotor cortical response during motion reflecting audiovisual stimulation: evidence from fractal EEG analysis. Medical and Biological Engineering and Computing, 2010, 48, 561-572.	1.6	11

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91	Assistive HCI-Serious Games Co-design Insights: The Case Study of i-PROGNOSIS Personalized Game Suite for Parkinson's Disease. <i>Frontiers in Psychology</i> , 2020, 11, 612835.	1.1	11
92	Professional learning: A fuzzy logic-based modelling approach. <i>Learning and Instruction</i> , 2007, 17, 235-252.	1.9	10
93	Transmembrane helix prediction in proteins using hydrophobicity properties and higher-order statistics. <i>Computers in Biology and Medicine</i> , 2008, 38, 867-880.	3.9	10
94	The effect of cigarette smoking on fetal heart rate tracing during pregnancy. <i>Journal of Perinatal Medicine</i> , 2017, 45, 403-411.	0.6	10
95	Age-induced differences in brain neural activation elicited by visual emotional stimuli: A high-density EEG study. <i>Neuroscience</i> , 2017, 340, 268-278.	1.1	10
96	Optimal detector design for molecular communication systems using an improved swarm intelligence algorithm. <i>Micro and Nano Letters</i> , 2018, 13, 383-388.	0.6	10
97	Deep Learning Predicts Heart Failure With Preserved, Mid-Range, and Reduced Left Ventricular Ejection Fraction From Patient Clinical Profiles. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 755968.	1.1	10
98	Wavelet-based Analysis of Nocturnal Snoring in Apneic Patients Undergoing Polysomnography. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 1912-5.	0.5	9
99	Obstacle detection and avoidance module for the blind. , 2016, , .		9
100	Ulcer Detection in Wireless Capsule Endoscopy Images Using Bidimensional Nonlinear Analysis. <i>IFMBE Proceedings</i> , 2010, , 236-239.	0.2	9
101	Hilbert-Huang Spectrum as a new field for the identification of EEG event related de-/synchronization for BCI applications. , 2008, 2008, 3832-5.		8
102	Revisiting Left Ventricular Ejection Fraction Levels: A Circadian Heart Rate Variability-Based Approach. <i>IEEE Access</i> , 2021, 9, 130111-130126.	2.6	8
103	EmoActivity - An EEG-Based Gamified Emotion HCI for Augmented Artistic Expression: The i-Treasures Paradigm. <i>Lecture Notes in Computer Science</i> , 2015, , 29-40.	1.0	8
104	Beyond Pathogen Filtration: Possibility of Smart Masks as Wearable Devices for Personal and Group Health and Safety Management. <i>JMIR MHealth and UHealth</i> , 2022, 10, e38614.	1.8	8
105	ICASP: An Intensive-Care Acquisition and Signal Processing Integrated Framework. <i>Journal of Medical Systems</i> , 2005, 29, 633-646.	2.2	7
106	Adaptive Neuro-Fuzzy Modeling of Poorly Soluble Drug Formulations. <i>Pharmaceutical Research</i> , 2006, 23, 1157-1164.	1.7	7
107	Tomographic Reconstruction of 3-D Irrotational Vector Fields via a Discretized Ray Transform. <i>Journal of Mathematical Imaging and Vision</i> , 2015, 52, 285-302.	0.8	7
108	Privacy Aware Affective State Recognition From Visual Data. <i>IEEE Access</i> , 2022, 10, 40620-40628.	2.6	7

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109	Higher-order statistics: a robust vehicle for diagnostic assessment and characterisation of lung sounds. <i>Technology and Health Care</i> , 1997, 5, 359-374.	0.5	6
110	Nonlinear analysis of heart murmurs using wavelet-based higher-order spectral parameters. , 2006, 2006, 4502-5.		6
111	Intrinsic mode entropy: An enhanced classification means for automated Greek Sign Language gesture recognition. , 2008, 2008, 5057-60.		6
112	Intrinsic higher-order correlation and lacunarity analysis for WCE-based ulcer classification. , 2012, , .		6
113	An Integrated Platform Supporting Intangible Cultural Heritage Learning and Transmission: Definition of Requirements and Evaluation Criteria. <i>Journal of Computing and Information Technology</i> , 2015, 22, 277.	0.2	6
114	Phase-amplitude cross-frequency coupling in EEG-derived cortical time series upon an auditory perception task. , 2015, 2015, 4150-3.		6
115	Use of adaptive hybrid filtering process in Crohn's disease lesion detection from real capsule endoscopy videos. <i>Healthcare Technology Letters</i> , 2016, 3, 27-33.	1.9	6
116	Fetal Cardiac Timing Events Estimation From Doppler Ultrasound Signals Using Swarm Decomposition. <i>Frontiers in Physiology</i> , 2019, 10, 789.	1.3	6
117	On modeling the quality of concept mapping toward more intelligent online learning feedback: a fuzzy logic-based approach. <i>Universal Access in the Information Society</i> , 2020, 19, 485-498.	2.1	6
118	Symbiosis: An Innovative Human-Computer Interaction Environment for Alzheimer's Support. <i>Lecture Notes in Computer Science</i> , 2013, , 123-132.	1.0	6
119	Adaptive extraction of emotion-related EEG segments using multidimensional directed information in time-frequency domain. , 2010, 2010, 1-4.		5
120	Assessment of problem solving ability in novice programmers. <i>PLoS ONE</i> , 2018, 13, e0201919.	1.1	5
121	On Modeling the Quality of Nutrition for Healthy Ageing Using Fuzzy Cognitive Maps. <i>Lecture Notes in Computer Science</i> , 2016, , 332-343.	1.0	5
122	Landmarks Detection to Assist the Navigation of Visually Impaired People. <i>Lecture Notes in Computer Science</i> , 2011, , 293-300.	1.0	5
123	Machine Learning-Based Analysis of Digital Movement Assessment and ExerGame Scores for Parkinson's Disease Severity Estimation. <i>Frontiers in Psychology</i> , 2022, 13, 857249.	1.1	5
124	Automated Iris and Gaze Detection Using Chrominance: Application to Human-Computer Interaction Using a Low Resolution Webcam. , 2007, , .		4
125	NOESIS: An Enhanced Educational Environment for Kids with Autism Spectrum Disorders. , 2008, , .		4
126	Using Peano's Hilbert space filling curves for fast bidimensional ensemble EMD realization. <i>Eurasip Journal on Advances in Signal Processing</i> , 2012, 2012, .	1.0	4



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127	Towards a Practical Subject-Independent Affective State Recognition Based on Time-Domain EEG Feature Extraction. <i>International Journal of Heritage in the Digital Era</i> , 2015, 4, 165-177.	0.5	4
128	On mapping emotional states and implicit gestures to sonification output from the 'Intangible Musical Instrument'. , 2016, , .		4
129	Current Techniques for Breath Sound Analysis. , 2018, , 139-177.		4
130	Cognitive Brain Signal Processing: Healthy vs Alzheimerâ€™s Disease Patients. <i>Lecture Notes in Computer Science</i> , 2014, , 503-514.	1.0	4
131	Linear discrimination of transmembrane from non-transmembrane segments in proteins using higher-order crossings. , 2006, 2006, 5818-21.		3
132	Non-Linear Vibration Technique for Crack Detection in Beam Structures Using Frequency Mixing. <i>Acta Acustica United With Acustica</i> , 2010, 96, 977-980.	0.8	3
133	Towards an overall 3-D vector field reconstruction via discretization and a linear equations system. , 2013, , .		3
134	Age Effect in Human Brain Responses to Emotion Arousing Images: The EEG 3D-Vector Field Tomography Modeling Approach. <i>IEEE Transactions on Autonomous Mental Development</i> , 2015, 7, 223-235.	2.3	3
135	FISCMAP. , 2016, , .		3
136	Towards an Intelligent Learning Management System: The A/B/C-TEACH Approach. <i>Communications in Computer and Information Science</i> , 2019, , 397-411.	0.4	3
137	Exploring B-Learning Scenarios Using Fuzzy Logic-Based Modeling of Usersâ€™ LMS Quality of Interaction in Ergonomics and Psychomotor Rehabilitation Academic Courses. <i>Lecture Notes in Computer Science</i> , 2014, , 233-243.	1.0	3
138	Using higher-order crossings to distinguish liver regeneration indices in hepatectomized diabetic and non-diabetic rats. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2005, 20, 126-134.	1.4	2
139	Classification of Transmembrane Segments in Human Proteins Using Wavelet-based Energy. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 1225-8.	0.5	2
140	Gender effect in human brain responses to bottom-up and top-down attention using the EEG 3D-Vector Field Tomography. , 2015, 2015, 7574-7.		2
141	Care4MyHeart-PSG: A Personalized Serious Game Platform to Empower Phase III Cardiac Rehabilitation of Cardiovascular Disease Patients in UAE. <i>Lecture Notes in Computer Science</i> , 2020, , 233-250.	1.0	2
142	Nonlinear characteristics of wheezes as seen in the wavelet higher-order spectra domain. , 2006, 2006, 4506-9.		1
143	Music Perception as Reflected in Bispectral EEG Analysis under a Mirror Neurons-Based Approach. <i>Studies in Computational Intelligence</i> , 2008, , 137-146.	0.7	1
144	&#147;SEE and SEE&#148;: An Educational Tool for Kids with Hard of Hearing. , 2008, , .		1

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145	An emotion elicitation metric for the Valence/Arousal and six basic emotions affective models: A comparative study. , 2010, , .		1
146	Bispectral EEG analysis for knowledge scaffolding in music perception: A mirror neurons-based approach. Journal of Computational Methods in Sciences and Engineering, 2011, 11, 91-107.	0.1	1
147	PERIODICITY ANALYSIS OF GAMMA RADIATION MEASUREMENTS IN THESSALONIKI, NORTHERN GREECE, IN THE PERIOD 1988â€“2015. Radiation Protection Dosimetry, 2016, 172, 501-509.	0.4	1
148	Technologies for enhancing accessibility and fighting info-exclusion. Universal Access in the Information Society, 2017, 16, 529-531.	2.1	1
149	Efficient syncope prediction from resting state clinical data using wavelet bispectrum and multilayer perceptron neural network. Medical and Biological Engineering and Computing, 2021, 59, 1311-1324.	1.6	1
150	Noise-Assisted Multivariate Variational Mode Decomposition. , 2021, , .		1
151	Analysis of Capsule Endoscopy Images Related to Gastric Ulcer Using Bidimensional Empirical Mode Decomposition. IFMBE Proceedings, 2009, , 642-645.	0.2	1
152	Nonlinear analysis of heart murmurs using wavelet-based higher-order spectral parameters. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	1
153	Swarm Decomposition Enhances the Discrimination of Cardiac Arrhythmias in Varied-Lead ECG Using ResNet-BiLSTM Network Activations. , 2021, , .		1
154	The Effectiveness of Point-of-Care Testing with Intervention in Psychopathology: A Pilot Study. , 2021, , .		1
155	Discrimination of single and multiple human transmembrane proteins using kurtosis and morphological analysis. , 2008, 2008, 1351-4.		0
156	Primary School Music Education and the Effect of Auditory Processing Disorders: Pedagogical/ICT-Based Implications. , 2008, , .		0
157	Tempo Induction from Music Recordings Using Ensemble Empirical Mode Decomposition Analysis. Computer Music Journal, 2011, 35, 83-97.	0.3	0
158	Introduction to the special issue on â€œbiosignal processing for engineering and computing: The MEDICON conference caseâ€•selected papers from MEDICON 2010. Biomedical Signal Processing and Control, 2012, 7, 213-214.	3.5	0
159	Software for enhancing accessibility and fighting info-exclusion. Universal Access in the Information Society, 2015, 14, 1-3.	2.1	0
160	Are Elderly Less Responsive to Emotional Stimuli? An EEG-based Study across Pleasant, Unpleasant and Neutral Greek Words. , 2017, , .		0
161	Dynamic spectrum sensing through accelerated particle swarm optimization. , 2017, , .		0
162	A Comparative Phonocardiography Study: Two Wavelet Based Methods for Fetal Heart Sound Detection. , 0, , .		0

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163	FuzzyQoI-Based Estimation of the Quality of Interaction in Online Learning Amid Covid-19: A Greek Case-Study. Communications in Computer and Information Science, 2021, , 249-262.	0.4	0
164	Catastrophe Theory: An Enhanced Structural and Ontological Space in Music Composition. Lecture Notes in Computer Science, 2011, , 358-361.	1.0	0
165	Data Collection Strategies. Intelligent Systems Reference Library, 2014, , 55-68.	1.0	0
166	On Enhancing Disabled Studentsâ€™ Accessibility in Environmental Education Using ICT: The MusicPaint Case. Lecture Notes in Computer Science, 2014, , 325-336.	1.0	0
167	Towards an HCI-Based Symbiotic Environment for Alzheimer's Support. Advances in Psychology, Mental Health, and Behavioral Studies, 2015, , 240-268.	0.1	0
168	Enhancing Blended Environments Through Fuzzy Cognitive Mapping of LMS Usersâ€™ Quality of Interaction: The Rare and Contemporary Dance Paradigms. Lecture Notes in Computer Science, 2015, , 31-42.	1.0	0
169	Exploring the Potential of Computer-Based Concept Mapping Under Self-and Collaborative Mode Within Emerging Learning Environments. , 2018, , 101-122.		0
170	Cross-Course and Multi-course Sentiment Classification of Student Posts. Lecture Notes in Computer Science, 2020, , 55-65.	1.0	0
171	Prediction of LVEF using BiLSTM and Swarm Decomposition-based 24-h HRV Components. , 2021, , .		0
172	Swarm Decomposition of Abdominal Signals for Non-invasive Fetal ECG Extraction. , 2021, 2021, 775-778.		0
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