

Constantinos S Pattichis

List of Publications by Year in descending order

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Version: 2024-02-01

236
papers

5,581
citations

93792

39
h-index

111975

67
g-index

255
all docs

255
docs citations

255
times ranked

4837
citing authors

#	ARTICLE	IF	CITATIONS
1	Participatory design and evaluation of virtual reality physical rehabilitation for people living with dementia. <i>Virtual Reality</i> , 2023, 27, 421-438.	4.1	9
2	A fast supervised density-based discretization algorithm for classification tasks in the medical domain. <i>Health Informatics Journal</i> , 2022, 28, 146045822110653.	1.1	2
3	Carotid Ultrasound Boundary Study (CUBS): Technical considerations on an open multi-center analysis of computerized measurement systems for intima-media thickness measurement on common carotid artery longitudinal B-mode ultrasound scans. <i>Computers in Biology and Medicine</i> , 2022, 144, 105333.	3.9	15
4	“Bring me sunshine, bring me (physical) strength”: The case of dementia. Designing and implementing a virtual reality system for physical training during the COVID-19 pandemic. <i>International Journal of Human Computer Studies</i> , 2022, 165, 102840.	3.7	6
5	Virtual Painkillers: Designing Accessible Virtual Reality Experiences for Helping Cancer Patients Manage Pain at Home. , 2022, , .		1
6	Free of Walls: Participatory Design of an Out-World Experience via Virtual Reality for Dementia In-patients. , 2022, , .		3
7	Medical Image Analysis Using AM-FM Models and Methods. <i>IEEE Reviews in Biomedical Engineering</i> , 2021, 14, 270-289.	13.1	8
8	Dynamic carotid plaque imaging using ultrasonography. <i>Journal of Vascular Surgery</i> , 2021, 73, 1630-1638.	0.6	2
9	A Framework for Efficient N-Way Interaction Testing in Case/Control Studies With Categorical Data. <i>IEEE Open Journal of Engineering in Medicine and Biology</i> , 2021, 2, 256-262.	1.7	0
10	CO-CREATION OF CHATBOTS AS AN EDUCATIONAL RESOURCE- TRAINING THE TRAINERS WORKSHOP. <i>INTED Proceedings</i> , 2021, , .	0.0	5
11	Effect of the internal carotid artery degree of stenosis on wall and plaque distensibility. <i>Biomedical Signal Processing and Control</i> , 2021, 68, 102572.	3.5	1
12	Carotid Ultrasound Boundary Study (CUBS): An Open Multicenter Analysis of Computerized Intima-Media Thickness Measurement Systems and Their Clinical Impact. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 2442-2455.	0.7	15
13	Association of Intima-Media Texture With Prevalence of Clinical Cardiovascular Disease. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 3017-3026.	1.7	6
14	The Effects of Specific Omega-3 and Omega-6 Polyunsaturated Fatty Acids and Antioxidant Vitamins on Gait and Functional Capacity Parameters in Patients with Relapsing-Remitting Multiple Sclerosis. <i>Nutrients</i> , 2021, 13, 3661.	1.7	12
15	Editorial: Connected Health: Status and Trends. <i>Frontiers in Digital Health</i> , 2021, 3, 762270.	1.5	0
16	Rule Extraction in the Assessment of Brain MRI Lesions in Multiple Sclerosis: Preliminary Findings. <i>Lecture Notes in Computer Science</i> , 2021, , 277-286.	1.0	6
17	A Three-Dimensional Reconstruction Integrated System for Brain Multiple Sclerosis Lesions. <i>Lecture Notes in Computer Science</i> , 2021, , 266-276.	1.0	2
18	Is Computer-Assisted Tissue Image Analysis the Future in Minimally Invasive Surgery? A Review on the Current Status of Its Applications. <i>Journal of Clinical Medicine</i> , 2021, 10, 5770.	1.0	2

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19	Comparison of 1.5T and 3T MRI hippocampus texture features in the assessment of Alzheimer's disease. Biomedical Signal Processing and Control, 2020, 62, 102098.	3.5	6
20	Robotic Systems in Current Clinical Practice. , 2020, , .		3
21	eEmergency System to Support Emergency call Evaluation and Ambulance dispatch Procedures. , 2020, , .		1
22	Co-creation of Virtual Reality Re-usable Learning objectives of 360° video scenarios for a Clinical Skills course. , 2020, , .		8
23	Virtual Reality for Pain Management in Cancer: A Comprehensive Review. IEEE Access, 2020, 8, 225475-225489.	2.6	19
24	AI in Medical Imaging Informatics: Current Challenges and Future Directions. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1837-1857.	3.9	215
25	Assessment of Alzheimer's Disease Based on Texture Analysis of the Entorhinal Cortex. Frontiers in Aging Neuroscience, 2020, 12, 176.	1.7	23
26	The Battle of the Video Codecs in the Healthcare Domain - A Comparative Performance Evaluation Study Leveraging VVC and AV1. IEEE Access, 2020, 8, 11469-11481.	2.6	15
27	An Overview of Assistive Robotics and Technologies for Elderly Care. IFMBE Proceedings, 2020, , 971-976.	0.2	11
28	Dementia: I Am Physically Fading. Can Virtual Reality Help? Physical Training for People with Dementia in Confined Mental Health Units. Lecture Notes in Computer Science, 2020, , 366-382.	1.0	13
29	Risk factors for breast cancer brain metastases: a systematic review. Oncotarget, 2020, 11, 650-669.	0.8	46
30	TRAINING THE TRAINERS CURRICULUM ON CO-CREATION OF VIRTUAL REALITY REUSABLE E-RESOURCES. EDULEARN Proceedings, 2020, , .	0.0	3
31	Correction to: Virtual, Augmented and Mixed Reality. Industrial and Everyday Life Applications. Lecture Notes in Computer Science, 2020, , C1-C1.	1.0	0
32	Sampling Electrocardiography Confirmation for a Virtual Reality Pain Management Tool. Lecture Notes in Computer Science, 2020, , 399-414.	1.0	0
33	Ultrasound diaphragmatic manual and semi-automated motion measurements: Application in simulated and in vivo data of critically ill subjects. Computer Methods and Programs in Biomedicine, 2020, 194, 105517.	2.6	0
34	Students' Perceptions on Chatbots' Potential and Design Characteristics in Healthcare Education. Studies in Health Technology and Informatics, 2020, 272, 209-212.	0.2	9
35	Associations between functional capacity, isokinetic leg strength, sleep quality and cognitive function in multiple sclerosis patients: a cross-sectional study. Postgraduate Medicine, 2019, 131, 453-460.	0.9	7
36	Guest Editorial on the Special Issue on Integrating Informatics and Technology for Precision Medicine. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 12-13.	3.9	6

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37	ENDORSE Concept. International Journal of Reliable and Quality E-Healthcare, 2019, 8, 47-59.	1.0	0
38	Integrating Machine Learning with Symbolic Reasoning to Build an Explainable AI Model for Stroke Prediction. , 2019, , .		22
39	Connected Health. Frontiers in Digital Health, 2019, 1, 1.	1.5	12
40	Virtual Reality Applications for Neurological Disease: A Review. Frontiers in Robotics and AI, 2019, 6, 100.	2.0	45
41	Radiogenomics for Precision Medicine With a Big Data Analytics Perspective. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 2063-2079.	3.9	34
42	Quantitative MRI Brain Studies in Mild Cognitive Impairment and Alzheimer's Disease: A Methodological Review. IEEE Reviews in Biomedical Engineering, 2018, 11, 97-111.	13.1	80
43	Real-Time Adaptation to Time-Varying Constraints for Medical Video Communications. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1177-1188.	3.9	16
44	A New Method for Diaphragmatic Maximum Relaxation Rate Ultrasonographic Measurement in the Assessment of Patients With Diaphragmatic Dysfunction. IEEE Journal of Translational Engineering in Health and Medicine, 2018, 6, 1-10.	2.2	2
45	Hippocampal and entorhinal cortex volume changes in Alzheimer's disease patients and mild cognitive impairment subjects. , 2018, , .		1
46	Advancing clinical research by semantically interconnecting aggregated medical data information in a secure context. Health and Technology, 2017, 7, 223-240.	2.1	2
47	Classification of neuromuscular disorders using features extracted in the wavelet domain of sEMG signals: a case study. Health and Technology, 2017, 7, 33-39.	2.1	6
48	Texture Feature Variability in Ultrasound Video of the Atherosclerotic Carotid Plaque. IEEE Journal of Translational Engineering in Health and Medicine, 2017, 5, 1-9.	2.2	19
49	Introductory editorial to the special issue on systems medicine for the delivery of better healthcare services. Health and Technology, 2017, 7, 1-2.	2.1	6
50	Brain Image and Lesions Registration and 3D Reconstruction in Dicom MRI Images. , 2017, , .		5
51	Carotid Bifurcation Plaque Stability Estimation Based on Motion Analysis. , 2017, , .		2
52	Type 2 Diabetes Susceptibility in the Greek-Cypriot Population: Replication of Associations with TCF7L2, FTO, HHEX, SLC30A8 and IGF2BP2 Polymorphisms. Genes, 2017, 8, 16.	1.0	21
53	Self-Adaptive Multi-objective Evolutionary Algorithm for Molecular Design. , 2017, , .		1
54	Privacy preserving data publishing of categorical data through <i>k</i> -anonymity and feature selection. Healthcare Technology Letters, 2016, 3, 16-21.	1.9	15

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55	The promise of big data technologies and challenges for image and video analytics in healthcare. , 2016, , .		6
56	Medical telerobotic systems: current status and future trends. BioMedical Engineering OnLine, 2016, 15, 96.	1.3	104
57	Data Protection Issues of Integrated Electronic Health Records (EHR). IFMBE Proceedings, 2016, , 787-790.	0.2	3
58	Dynamic Network Adaptation for Real-Time Medical Video Communication. IFMBE Proceedings, 2016, , 1099-1104.	0.2	2
59	An Overview of Quantitative Magnetic Resonance Imaging Analysis Studies in the Assessment of Alzheimerâ€™s Disease. IFMBE Proceedings, 2016, , 281-286.	0.2	2
60	Towards a Versatile Surface Electromyography Classification System. IFMBE Proceedings, 2016, , 33-36.	0.2	1
61	Suggesting a Sonographic Index to Measure Ultrasound Diaphragmatic MRR. IFMBE Proceedings, 2016, , 355-360.	0.2	1
62	Cardiac ultrasonography over 4G wireless networks using a teleâ€operated robot. Healthcare Technology Letters, 2016, 3, 212-217.	1.9	26
63	Editorial. Healthcare Technology Letters, 2016, 3, 151-152.	1.9	1
64	Measurement of ultrasonic diaphragmatic motion. , 2015, 2015, 6358-61.		5
65	Prediction of the time period of stroke based on ultrasound image analysis of initially asymptomatic carotid plaques. , 2015, 2015, 334-7.		3
66	Electronic Health Record Application Support Service Enablers. , 2015, 2015, 1401-4.		5
67	Reliable Probabilistic Prediction of High-Risk Asymptomatic Carotid Plaques. , 2015, , .		1
68	Adaptive emergency scenery video communications using HEVC for responsive decision support in disaster incidents. , 2015, 2015, 173-6.		9
69	Computer-Aided Diagnosis in Hysteroscopic Imaging. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1129-1136.	3.9	18
70	Quantitative texture analysis of brain white matter lesions derived from T2-weighted MR images in MS patients with clinically isolated syndrome. Journal of Neuroradiology, 2015, 42, 99-114.	0.6	61
71	Despeckle Filtering for Ultrasound Imaging and Video, Volume I: Algorithms and Software, Second Edition. Synthesis Lectures on Algorithms and Software in Engineering, 2015, 7, 1-180.	0.1	11
72	Despeckle Filtering for Ultrasound Imaging and Video, Volume II: Selected Applications, Second Edition. Synthesis Lectures on Algorithms and Software in Engineering, 2015, 7, 1-180.	0.1	6

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73	A Comparison of Ultrasound Intima-Media Thickness Measurements of the Left and Right Common Carotid Artery. IEEE Journal of Translational Engineering in Health and Medicine, 2015, 3, 1-10.	2.2	48
74	An Effective Ultrasound Video Communication System Using Despeckle Filtering and HEVC. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 668-676.	3.9	26
75	LiSIs: An Online Scientific Workflow System for Virtual Screening. Combinatorial Chemistry and High Throughput Screening, 2015, 18, 281-295.	0.6	2
76	Medical Content Searching, Retrieving, and Sharing Over the Internet: Lessons Learned From the mEducator Through a Scenario-Based Evaluation. Journal of Medical Internet Research, 2015, 17, e229.	2.1	3
77	A Virtual Emergency Telemedicine Serious Game in Medical Training: A Quantitative, Professional Feedback-Informed Evaluation Study. Journal of Medical Internet Research, 2015, 17, e150.	2.1	31
78	Despeckle Filtering for Multiscale Amplitude-Modulation Frequency-Modulation (AM-FM) Texture Analysis of Ultrasound Images of the Intima-Media Complex. International Journal of Biomedical Imaging, 2014, 2014, 1-13.	3.0	10
79	An integrated system for the segmentation of atherosclerotic carotid plaque ultrasound video. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2014, 61, 86-101.	1.7	35
80	Evaluation of co-occurrence texture features on AM-FM instantaneous amplitude for breast density classification. Physica Medica, 2014, 30, e37.	0.4	0
81	Texture analysis of the media-layer of the left and right common carotid artery. , 2014, , .		5
82	Editorial: Intelligent Biomedical Systems. International Journal on Artificial Intelligence Tools, 2014, 23, 1402003.	0.7	0
83	Manual and automated intima-media thickness and diameter measurements of the common carotid artery in patients with renal failure disease. Computers in Biology and Medicine, 2014, 53, 220-229.	3.9	64
84	Guest Editorial: Computational Solutions to Large-Scale Data Management and Analysis in Translational and Personalized Medicine. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 720-721.	3.9	5
85	Prehospital Health Care Management Platform. , 2014, , .		1
86	Adaptive Real-time HEVC Encoding of Emergency Scenery Video. , 2014, , .		1
87	A patient centered electronic health system: an example for cyprus. Studies in Health Technology and Informatics, 2014, 202, 111-4.	0.2	1
88	Mobile-Health Systems Use Diagnostically Driven Medical Video Technologies [Life Sciences]. IEEE Signal Processing Magazine, 2013, 30, 163-172.	4.6	25
89	A comparison of color correction algorithms for endoscopic cameras. , 2013, , .		1
90	High-Resolution, Low-Delay, and Error-Resilient Medical Ultrasound Video Communication Using H.264/AVC Over Mobile WiMAX Networks. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 619-628.	3.9	40

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91	Molecular clustering via knowledge mining from biomedical scientific corpora. , 2013, , .		0
92	Unsupervised level set parameterization using multi-scale filtering. , 2013, , .		1
93	Investigation of AM-FM methods for mammographic breast density classification. , 2013, , .		5
94	A comparison of ultrasound intima media thickness measurements of the left and right common carotid artery. , 2013, , .		4
95	Multiscale AM-FM image reconstructions based on elastic net regression and Gabor filterbanks. , 2013, , .		1
96	HEVC encoding for reproducible medical ultrasound video diagnosis. , 2013, , .		4
97	M-health medical video communication systems: An overview of design approaches and recent advances. , 2013, 2013, 7253-6.		8
98	Despeckle Filtering Toolbox for Medical Ultrasound Video. International Journal of Monitoring and Surveillance Technologies Research, 2013, 1, 61-79.	0.3	12
99	Brain white matter lesion classification in multiple sclerosis subjects for the prognosis of future disability. Intelligent Decision Technologies, 2013, 7, 3-10.	0.6	22
100	A workflow system for virtual screening in cancer chemoprevention. , 2012, , .		5
101	Guest Editorial Cardiovascular Health Informatics: Risk Screening and Intervention. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 791-794.	3.6	6
102	The effects of applying cell-suppression and perturbation to aggregated genetic data. , 2012, , .		7
103	Linked2Safety: A secure linked data medical information space for semantically-interconnecting EHRs advancing patients' safety in medical research. , 2012, , .		9
104	Abdominal Aortic Aneurysm medical video transmission. , 2012, , .		6
105	Segmentation of atherosclerotic carotid plaque in ultrasound video. , 2012, 2012, 53-6.		11
106	Clustering subjects in genetic studies with Self Organizing Maps. , 2012, , .		1
107	An adaptive multiscale AM-FM texture analysis system with application to hysteroscopy imaging. , 2012, , .		2
108	Open source workflow systems in life sciences informatics. , 2012, , .		4

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109	An MPEG-7 image retrieval system of atherosclerotic carotid plaque images. , 2012, , .		2
110	Multi-scale AM-FM motion analysis of ultrasound videos of carotid artery plaques. , 2012, , .		5
111	Prediction of High-Risk Asymptomatic Carotid Plaques Based on Ultrasonic Image Features. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 966-973.	3.6	60
112	The use of H.264/AVC and the emerging high efficiency video coding (HEVC) standard for developing wireless ultrasound video telemedicine systems. , 2012, , .		4
113	Segmentation of the Common Carotid Intima-Media Complex in Ultrasound Images Using Active Contours. IEEE Transactions on Biomedical Engineering, 2012, 59, 3060-3069.	2.5	54
114	Measurement of motion of carotid bifurcation plaques. , 2012, , .		8
115	Combination of different texture features for mammographic breast density classification. , 2012, , .		16
116	Media and Intima Thickness and Texture Analysis of the Common Carotid Artery. , 2012, , 99-128.		0
117	High efficiency video coding for ultrasound video communication in m-health systems. , 2012, 2012, 2170-3.		18
118	EVALUATION OF THE RISK OF STROKE WITH CONFIDENCE PREDICTIONS BASED ON ULTRASOUND CAROTID IMAGE ANALYSIS. International Journal on Artificial Intelligence Tools, 2012, 21, 1240016.	0.7	9
119	Multi-scale AM-FM analysis for the classification of surface electromyographic signals. Biomedical Signal Processing and Control, 2012, 7, 265-269.	3.5	16
120	Introduction to the special issue on "Advances in Biomedical Engineering and Computing: The MEDICON Conference Case-selected papers from MEDICON 2010. Computer Methods and Programs in Biomedicine, 2012, 107, 1-3.	2.6	2
121	Completely Automated Multiresolution Edge Snapper-A New Technique for an Accurate Carotid Ultrasound IMT Measurement: Clinical Validation and Benchmarking on a Multi-Institutional Database. IEEE Transactions on Image Processing, 2012, 21, 1211-1222.	6.0	101
122	A Web services-based exergaming platform for senior citizens: The long lasting memories project approach to e-health care. , 2011, 2011, 2505-9.		22
123	A Tutorial for Emerging Wireless Medical Video Transmission Systems [Wireless Corner]. IEEE Antennas and Propagation Magazine, 2011, 53, 202-213.	1.2	31
124	A fully automated method using active contours for the evaluation of the intima-media thickness in carotid US images. , 2011, 2011, 8053-7.		13
125	A Java-DSP interface for analysis of the MP3 algorithm. , 2011, , .		4
126	Multiscale Amplitude-Modulation Frequency-Modulation (AM-FM) Texture Analysis of Ultrasound Images of the Intima and Media Layers of the Carotid Artery. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 178-188.	3.6	24

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127	Multiscale Amplitude-Modulation Frequency-Modulation (AM-FM) Texture Analysis of Multiple Sclerosis in Brain MRI Images. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 119-129.	3.6	79
128	Guest Editorial Introduction to the Special Issue on Citizen Centered e-Health Systems in a Global Healthcare Environment: Selected Papers From ITAB 2009. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 3-10.	3.6	0
129	Atherosclerotic Plaque Ultrasound Video Encoding, Wireless Transmission, and Quality Assessment Using H.264. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 387-397.	3.6	55
130	A feasibility study for the provision of electronic healthcare tools and services in areas of Greece, Cyprus and Italy. BioMedical Engineering OnLine, 2011, 10, 49.	1.3	12
131	Guest Editorial introduction to the special issue on Biomedical Signal Processing and Analysis selected papers from ITAB 2009. Biomedical Signal Processing and Control, 2011, 6, 217-218.	3.5	0
132	A simplified 2D real time navigation system for hysteroscopy imaging. , 2011, , .		1
133	A post cardiac surgery home-monitoring system. , 2011, , .		3
134	First and second order statistical texture features in carotid plaque image analysis: Preliminary results from ongoing research. , 2011, 2011, 6655-8.		2
135	eEmergency health care information systems. , 2011, 2011, 2501-4.		3
136	Computerized Texture Analysis of Carotid Plaque Ultrasonic Images Can Identify Unstable Plaques Associated With Ipsilateral Neurological Symptoms. Angiology, 2011, 62, 317-328.	0.8	44
137	Despeckle Filtering of Ultrasound Images. , 2011, , 153-194.		8
138	Brain White Matter Lesions Classification in Multiple Sclerosis Subjects for the Prognosis of Future Disability. International Federation for Information Processing, 2011, , 400-409.	0.4	9
139	Plaque Feature Extraction. , 2011, , 223-245.		0
140	Post Cardiac Surgery Home-Monitoring System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2011, , 61-68.	0.2	2
141	Global optimization for motion estimation with applications to ultrasound videos of carotid artery plaques. , 2010, , .		0
142	Multiscale entropy-based approach to automated surface EMG classification of neuromuscular disorders. Medical and Biological Engineering and Computing, 2010, 48, 773-781.	1.6	74
143	Assessment of the Risk Factors of Coronary Heart Events Based on Data Mining With Decision Trees. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 559-566.	3.6	151
144	A Review of Noninvasive Ultrasound Image Processing Methods in the Analysis of Carotid Plaque Morphology for the Assessment of Stroke Risk. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 1027-1038.	3.6	67

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145	Introduction to the special issue on biomedical image technologies and methods. Computerized Medical Imaging and Graphics, 2010, 34, 415-417.	3.5	0
146	M-mode state based identification in ultrasound videos of the atherosclerotic carotid plaque. , 2010, , .		8
147	A computationally fast measure of epistasis for 2 SNPs and a categorical phenotype. , 2010, 2010, 6194-7.		3
148	An overview of recent end-to-end wireless medical video telemedicine systems using 3G. , 2010, 2010, 1045-8.		24
149	Juxtaluminal hypoechoic area in ultrasonic images of carotid plaques and hemispheric symptoms. Journal of Vascular Surgery, 2010, 52, 69-76.	0.6	76
150	AM-FM texture image analysis in brain white matter lesions in the progression of Multiple Sclerosis. , 2010, , .		2
151	Assessment of Stroke Risk Based on Morphological Ultrasound Image Analysis with Conformal Prediction. International Federation for Information Processing, 2010, , 146-153.	0.4	8
152	AM-FM Texture Image Analysis in Multiple Sclerosis Brain White Matter Lesions. IFMBE Proceedings, 2010, , 446-449.	0.2	1
153	Discovering genetic polymorphism associated with gene expression levels across the whole genome. , 2009, 2009, 5466-9.		1
154	Association rule analysis for the assessment of the risk of coronary heart events. , 2009, 2009, 6238-41.		24
155	A wireless system for monitoring of children with suspected cardiac arrhythmias. , 2009, , .		3
156	Guest Editorial: Introduction to the Special Section on Biomedical Informatics. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 415-418.	3.6	0
157	Guest Editorial Introduction to the Special Section on Computational Intelligence in Medical Systems. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 667-672.	3.6	1
158	Classification of atherosclerotic carotid plaques using morphological analysis on ultrasound images. Applied Intelligence, 2009, 30, 3-23.	3.3	135
159	Ultrasound image texture analysis of the intima and media layers of the common carotid artery and its correlation with age and gender. Computerized Medical Imaging and Graphics, 2009, 33, 317-324.	3.5	48
160	De Novo Drug Design Using Multiobjective Evolutionary Graphs. Journal of Chemical Information and Modeling, 2009, 49, 295-307.	2.5	97
161	Robust and efficient ultrasound video coding in noisy channels using H.264. , 2009, 2009, 5143-6.		5
162	Manual and automated media and intima thickness measurements of the common carotid artery. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 983-994.	1.7	72

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163	Surface EMG analysis on normal subjects based on isometric voluntary contraction. Journal of Electromyography and Kinesiology, 2009, 19, 157-171.	0.7	70
164	Optimal graph design using a knowledge-driven multi-objective evolutionary graph algorithm. , 2009, , .		2
165	An integrated CAD system facilitating the endometrial cancer diagnosis. , 2009, , .		6
166	A Parallel implementation of a Multi-objective Evolutionary Algorithm. , 2009, , .		1
167	Classification of surface electromyographic signals using AM-FM features. , 2009, , .		3
168	An overview of recent health care support systems for eEmergency and mHealth applications. , 2009, 2009, 1246-9.		35
169	AM-FM Representations for the Characterization of Carotid Plaque Ultrasound Images. IFMBE Proceedings, 2009, , 546-549.	0.2	10
170	Classification and Data Mining for Hysteroscopy Imaging in Gynaecology. IFMBE Proceedings, 2009, , 918-922.	0.2	1
171	Quantitative Analysis of Hysteroscopy Imaging in Gynecological Cancer. , 2009, , 181-196.		0
172	Continuous Monitoring of Children with Suspected Cardiac Arrhythmias. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 1-8.	0.2	1
173	AM-FM Texture Image Analysis of the Intima and Media Layers of the Carotid Artery. Lecture Notes in Computer Science, 2009, , 885-894.	1.0	0
174	Quantitative Analysis of Brain White Matter Lesions in Multiple Sclerosis Subjects: Preliminary Findings. , 2008, , .		8
175	A binary format for genetic data designed for large whole genome studies that enable both marker and strand based analyses. , 2008, , .		0
176	Neural networks to estimate the influence of cervix length on the prediction of spontaneous preterm delivery before 37 weeks. , 2008, , .		1
177	Despeckle Filtering Algorithms and Software for Ultrasound Imaging. Synthesis Lectures on Algorithms and Software in Engineering, 2008, 1, 1-166.	0.1	60
178	Wireless medical ultrasound video transmission through noisy channels. , 2008, 2008, 5326-9.		5
179	Color multiscale texture classification of hysteroscopy images of the endometrium. , 2008, 2008, 1226-9.		2
180	Ultrasound imaging media layer texture analysis of the carotid artery. , 2008, , .		0

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181	AN EMBEDDED SALIENCY MAP ESTIMATOR SCHEME: APPLICATION TO VIDEO ENCODING. International Journal of Neural Systems, 2007, 17, 289-304.	3.2	32
182	Biologically Inspired Region of Interest Selection for Lowbit-Rate Video Coding. , 2007, , .		2
183	Media Thickness Measurement of the Common Carotid Artery. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2171-4.	0.5	3
184	Region of Interest Video Coding for Low bit-rate Transmission of Carotid Ultrasound Videos over 3G Wireless Networks. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3717-20.	0.5	11
185	Color Based Texture - Classification of Hysteroscopy Images of the Endometrium. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 864-7.	0.5	6
186	m-Health e-Emergency Systems: Current Status and Future Directions - [Wireless corner]. IEEE Antennas and Propagation Magazine, 2007, 49, 216-231.	1.2	72
187	Deriving Quantitative Structure-Activity Relationship Models Using Genetic Programming for Drug Discovery. , 2007, , .		1
188	A standardised protocol for texture feature analysis of endoscopic images in gynaecological cancer. BioMedical Engineering OnLine, 2007, 6, 44.	1.3	14
189	Texture Analysis of Ultrasonic Images of Symptomatic Carotid Plaques can Identify Those Plaques Associated with Ipsilateral Embolic Brain Infarction. European Journal of Vascular and Endovascular Surgery, 2007, 33, 422-429.	0.8	69
190	An Integrated System for Assessing Stroke Risk. IEEE Engineering in Medicine and Biology Magazine, 2007, 26, 43-50.	1.1	79
191	An Integrated System for the Segmentation of Atherosclerotic Carotid Plaque. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 661-667.	3.6	89
192	Snakes based segmentation of the common carotid artery intima media. Medical and Biological Engineering and Computing, 2007, 45, 35-49.	1.6	259
193	Object-Based Ultrasound Video Processing for Wireless Transmission in Cardiology. , 2006, , 491-507.		3
194	Texture-Based Classification of Hysteroscopy Images of the Endometrium. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
195	Variogram methods for texture classification of atherosclerotic plaque ultrasound images. , 2006, , .		0
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