Christakis D Loizou

List of Publications by Year
in descending order

91 papers	2,127 citations	361045 20 h-index	253896 43 g-index
99 all docs	99 docs citations	99 times ranked	1562 citing authors

#	Article	IF	Citations
1	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. Computers in Biology and Medicine, 2022, 144, 105333.	3.9	15
2	An automated integrated speech and face imageanalysis system for the identification of human emotions. Speech Communication, 2021, 130, 15-26.	1.6	5
3	Effect of the internal carotid artery degree of stenosis on wall and plaque distensibility. Biomedical Signal Processing and Control, 2021, 68, 102572.	3.5	1
4	Carotid Ultrasound Boundary Study (CUBS): An Open Multicenter Analysis of Computerized Intimaâ€“Media Thickness Measurement Systems and Their Clinical Impact. Ultrasound in Medicine and Biology, 2021, 47, 2442-2455.	0.7	15
5	Association of Intima-Media Texture With Prevalence of Clinical Cardiovascular Disease. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 3017-3026.	1.7	6
6	Rule Extraction in the Assessment of Brain MRI Lesions in Multiple Sclerosis: Preliminary Findings. Lecture Notes in Computer Science, 2021, , 277-286.	1.0	6
7	A Review on Breast Cancer Brain Metastasis: Automated MRI Image Analysis for the Prediction of Primary Cancer Using Radiomics. Lecture Notes in Computer Science, 2021, , 245-255.	1.0	1
8	A Three-Dimensional Reconstruction Integrated System for Brain Multiple Sclerosis Lesions. Lecture Notes in Computer Science, 2021, , 266-276.	1.0	2
9	Normal appearing brain white matter changes in relapsing multiple sclerosis: Texture image and classification analysis in serial MRI scans. Magnetic Resonance Imaging, 2020, 73, 192-202.	1.0	16
10	Cardiovascular Disease Stratification Based on Ultrasound Images of the Carotid Artery. Studies in Computational Intelligence, 2020, , 103-119.	0.7	0
11	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
12	Ultrasound Asymptomatic Carotid Plaque Image Analysis for the Prediction of the Risk of Stroke. Series in Bioengineering, 2019, , 317-329.	0.3	1
13	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
14	Lymphocyte profile and cytokine mRNA expression in peripheral blood mononuclear cells of patients with recurrent respiratory papillomatosis suggest dysregulated cytokine mRNA response and impaired cytotoxic capacity. Immunity, Inflammation and Disease, 2017, 5, 541-550.	1.3	7
15	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
16	Brain Image and Lesions Registration and 3D Reconstruction in Dicom MRI Images. , 2017, , .		5
17	Carotid Bifurcation Plaque Stability Estimation Based on Motion Analysis. , 2017, , .		2
18	No evidence for the presence of Epstein-Barr virus in squamous cell carcinoma of the mobile tongue. PLoS ONE, 2017, 12, e0184201.	1.1	9

#	Article	IF	Citations
19	Epigenetic regulation of OAS2 shows disease-specific DNA methylation profiles at individual CpG sites. Scientific Reports, 2016, 6, 32579.	1.6	23
20	Ultrasound Common Carotid Artery Video Simulation and Motion Analysis. IFMBE Proceedings, 2016, , 347-350.	0.2	3
21	Texture Features Variability in Ultrasound Video of Atherosclerotic Carotid Plaques. IFMBE Proceedings, 2016, , 351-354.	0.2	3
22	Suggesting a Sonographic Index to Measure Ultrasound Diaphragmatic MRR. IFMBE Proceedings, 2016, , 355-360.	0.2	1
23	Towards Non-invasive Patient Monitoring Through Iris Tracking and Pain Detection. IFMBE Proceedings, 2016, , 361-366.	0.2	2
24	An integrated system for the complete segmentation of the common carotid artery bifurcation in ultrasound images. Journal of Biomedical Engineering and Informatics, 2015, 1, 11.	0.2	7
25	Measurement of ultrasonic diaphragmatic motion. , 2015, 2015, 6358-61.		5
26	Prediction of the time period of stroke based on ultrasound image analysis of initially asymptomatic carotid plaques. , 2015, 2015, 334-7.		3
27	Incidence of tonsillar cancer in northern Sweden: Impact of human papilloma virus. Oncology Letters, 2015, 10, 3565-3572.	0.8	16
28	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
29	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
30	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
31	Recurrent respiratory papillomatosis in northern Sweden: Clinical characteristics and practical guidance. Acta Oto-Laryngologica, 2015, 135, 1058-1064.	0.3	7
32	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
33	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
34	Voice and quality of life in patients with recurrent respiratory papillomatosis in a northern Sweden cohort. Acta Oto-Laryngologica, 2014, 134, 401-406.	0.3	21
35	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
36	A review of ultrasound common carotid artery image and video segmentation techniques. Medical and Biological Engineering and Computing, 2014, 52, 1073-1093.	1.6	112

#	Article	IF	Citations
37	Texture analysis of the media-layer of the left and right common carotid artery. , 2014, , .		5
38	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
39	Despeckle filtering software toolbox for ultrasound imaging of the common carotid artery. Computer Methods and Programs in Biomedicine, 2014, 114, 109-124.	2.6	74
40	Atherosclerotic Carotid Plaque Segmentation in Ultrasound Imaging of the Carotid Artery. , 2014, , 237-246.		0
41	A comparison of ultrasound intima media thickness measurements of the left and right common carotid artery. , 2013, , .		4
42	Ultrasound video despeckle filtering for high efficiency video coding in M-health systems. , 2013, , .		3
43	Despeckle Filtering Toolbox for Medical Ultrasound Video. International Journal of Monitoring and Surveillance Technologies Research, 2013, 1, 61-79.	0.3	12
44	Evaluation of wound healing process based on texture image analysis. Journal of Biomedical Graphics and Computing, 2013, 3, .	0.2	9
45	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
46	Integrated System for the Complete Segmentation of the Common Carotid Artery Bifurcation in Ultrasound Images. IFIP Advances in Information and Communication Technology, 2013, , 292-301.	0.5	17
47	Segmentation of atherosclerotic carotid plaque in ultrasound video. , 2012, 2012, 53-6.		11
48	Video segmentation of the common carotid artery intima media complex. , 2012, , .		6
49	FULL-AUTOMATED MEDICAL IMAGING SYSTEM FOR SEGMENTATION AND DETECTION OF CAROTID PLAQUE AND CAROTID ARTERY LUMEN FROM ULTRASOUND IMAGES. Biomedizinische Technik, 2012, 57, .	0.9	0
50	Multi-scale AM-FM motion analysis of ultrasound videos of carotid artery plaques. , 2012, , .		5
51	Evaluation of wound healing process based on texture analysis. , 2012, , .		19
52	Despeckle filtering in ultrasound video of the common carotid artery. , 2012, , .		12
53	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
54	Full-automated system for the segmentation of the common carotid artery in ultrasound images. , 2012, , .		7

#	Article	IF	Citations
55	Media and Intima Thickness and Texture Analysis of the Common Carotid Artery. , 2012, , 99-128.		0
56	Brain MR image normalization in texture analysis of multiple sclerosis. Journal of Biomedical Graphics and Computing, 2012, 3, .	0.2	14
57	A fully automated method using active contours for the evaluation of the intima-media thickness in carotid US images. , 2011, 2011, 8053-7.		13
58	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
59	Completely automated multiresolution edge snapper (CAMES): a new technique for an accurate carotid ultrasound IMT measurement and its validation on a multi-institutional database. , 2011, , .		3
60	Despeckle Filtering of Ultrasound Images. , 2011, , 153-194.		8
61	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
62	Global optimization for motion estimation with applications to ultrasound videos of carotid artery plaques. , 2010, , .		0
63	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
64	M-mode state based identification in ultrasound videos of the atherosclerotic carotid plaque. , 2010, , .		8
65	Atherosclerotic carotid wall segmentation in ultrasound images using Markov random fields. , 2010, , .		2
66	Texture image analysis of normal appearing white matter areas in Clinically Isolated Syndrome that evolved in demyelinating lesions in subsequent MRI scans: Multiple sclerosis disease evolution. , 2010, , .		1
67	AM-FM texture image analysis in brain white matter lesions in the progression of Multiple Sclerosis. , 2010, , .		2
68	AM-FM Texture Image Analysis in Multiple Sclerosis Brain White Matter Lesions. IFMBE Proceedings, 2010, , 446-449.	0.2	1
69	Towards Diagnostically Robust Medical Ultrasound Video Streaming using H.264. , 2009, , .		2
70	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
71	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
72	Brain MR image normalization in texture analysis of multiple sclerosis. , 2009, , .		31

#	Article	IF	Citations
73	Quantitative analysis of brain white matter lesions in multiple sclerosis subjects. , 2009, , .		6
74	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
75	Quantitative Analysis of Brain White Matter Lesions in Multiple Sclerosis Subjects: Preliminary Findings. , 2008, , .		8
76	Despeckle Filtering Algorithms and Software for Ultrasound Imaging. Synthesis Lectures on Algorithms and Software in Engineering, 2008, 1, 1-166.	0.1	60
77	Ultrasound imaging media layer texture analysis of the carotid artery. , 2008, , .		0
78	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
79	An AM-FM model for Motion Estimation in Atherosclerotic Plaque Videos. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	15
80	An Integrated System for Assessing Stroke Risk. IEEE Engineering in Medicine and Biology Magazine, 2007, 26, 43-50.	1.1	79
81	An Integrated System for the Segmentation of Atherosclerotic Carotid Plaque. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 661-667.	3.6	89
82	Snakes based segmentation of the common carotid artery intima media. Medical and Biological Engineering and Computing, 2007, 45, 35-49.	1.6	259
83	Quality evaluation of ultrasound imaging in the carotid artery based on normalization and speckle reduction filtering. Medical and Biological Engineering and Computing, 2006, 44, 414-426.	1.6	99
84	Atherosclerotic Plaque Motion Analysis from Ultrasound Videos. , 2006, , .		5
85	Comparative evaluation of despeckle filtering in ultrasound imaging of the carotid artery. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 1653-1669.	1.7	273
86	Atherosclerotic carotid plaque segmentation. , 2004, 2004, 1403-6.		10
87	Speckle reduction in ultrasonic imaging for medical applications. , 1991, , .		9
88	Speckle reduction in ultrasound images of atherosclerotic carotid plaque. , 0, , .		24
89	De-speckle filtering in ultrasound imaging of the carotid artery. , 0, , .		2
90	Ultrasound image quality evaluation. , 0, , .		1

#	Article	IF	Citations
91	Quality evaluation of ultrasound imaging in the carotid artery. , 0, , .		7