

Pantelis A Asvestas

List of Publications by Year in descending order

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40
papers

531
citations

687363

13
h-index

677142

22
g-index

40
all docs

40
docs citations

40
times ranked

657
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimodal Registration of Retinal Images Using Self Organizing Maps. IEEE Transactions on Medical Imaging, 2004, 23, 1557-1563.	8.9	79
2	A comparative study of surface- and volume-based techniques for the automatic registration between CT and SPECT brain images. Medical Physics, 2002, 29, 201-213.	3.0	36
3	Fractal dimension estimation of carotid atherosclerotic plaques from B-mode ultrasound: a pilot study. Ultrasound in Medicine and Biology, 2002, 28, 1129-1136.	1.5	34
4	Detection of glaucomatous change based on vessel shape analysis. Computerized Medical Imaging and Graphics, 2008, 32, 183-192.	5.8	30
5	Abnormal P600 in heroin addicts with prolonged abstinence elicited during a working memory test. NeuroReport, 2001, 12, 1773-1778.	1.2	29
6	Thoracic non-rigid registration combining self-organizing maps and radial basis functions. Medical Image Analysis, 2005, 9, 237-254.	11.6	27
7	Design and Interdisciplinary Simulations of a Hand-Held Device for Internal-Body Temperature Sensing Using Microwave Radiometry. IEEE Sensors Journal, 2018, 18, 2421-2433.	4.7	27
8	Classification of Error-Related Negativity (ERN) and Positivity (Pe) potentials using kNN and Support Vector Machines. Computers in Biology and Medicine, 2011, 41, 98-109.	7.0	24
9	Adaptable pattern recognition system for discriminating Melanocytic Nevi from Malignant Melanomas using plain photography images from different image databases. International Journal of Medical Informatics, 2017, 105, 1-10.	3.3	23
10	Application of Kohonen network for automatic point correspondence in 2D medical images. Computers in Biology and Medicine, 2009, 39, 630-645.	7.0	18
11	Classification of hysteroscopic images using texture and vessel descriptors. Medical and Biological Engineering and Computing, 2013, 51, 859-867.	2.8	17
12	Automatic point correspondence using an artificial immune system optimization technique for medical image registration. Computerized Medical Imaging and Graphics, 2011, 35, 31-41.	5.8	16
13	MITIS: a WWW-based medical system for managing and processing gynecological“obstetrical”radiological data. Computer Methods and Programs in Biomedicine, 2004, 76, 53-71.	4.7	15
14	Computer-based automated estimation of breast vascularity and correlation with breast cancer in DCE-MRI images. Magnetic Resonance Imaging, 2017, 35, 39-45.	1.8	13
15	Recognition of Blinks Activity Patterns during Stress Conditions Using CNN and Markovian Analysis. Signals, 2021, 2, 55-71.	1.9	13
16	Multimodal genetic algorithms-based algorithm for automatic point correspondence. Pattern Recognition, 2010, 43, 4011-4027.	8.1	11
17	A classification system based on a new wrapper feature selection algorithm for the diagnosis of primary and secondary polycythemia. Computers in Biology and Medicine, 2013, 43, 2118-2126.	7.0	11
18	Automatic identification of eye movements using the largest lyapunov exponent. Biomedical Signal Processing and Control, 2018, 41, 10-20.	5.7	11

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19	Development of a Reference Image Collection Library for Histopathology Image Processing, Analysis and Decision Support Systems Research. <i>Journal of Digital Imaging</i> , 2017, 30, 287-295.	2.9	10
20	A condition-independent framework for the classification of error-related brain activity. <i>Medical and Biological Engineering and Computing</i> , 2020, 58, 573-587.	2.8	10
21	An iterative point correspondence algorithm for automatic image registration: An application to dental subtraction radiography. <i>Computer Methods and Programs in Biomedicine</i> , 2009, 93, 61-72.	4.7	9
22	Automatic identification of oculomotor behavior using pattern recognition techniques. <i>Computers in Biology and Medicine</i> , 2015, 60, 151-162.	7.0	9
23	Automatic local parameterization of the Chan Vese active contour model's force coefficients using edge information. <i>Journal of Visual Communication and Image Representation</i> , 2015, 29, 71-78.	2.8	8
24	Classification of Event-Related Potentials Associated with Response Errors in Actors and Observers Based on Autoregressive Modeling. <i>Open Medical Informatics Journal</i> , 2009, 3, 32-43.	1.0	8
25	Impaired P600 in neuroleptic naive patients with first-episode schizophrenia. <i>NeuroReport</i> , 2001, 12, 2801-2806.	1.2	7
26	Bimodal CT/MRI-Based Segmentation Method for Intervertebral Disc Boundary Extraction. <i>Information (Switzerland)</i> , 2020, 11, 448.	2.9	5
27	Design of a hybrid deep learning system for discriminating between low- and high-grade colorectal cancer lesions, using microscopy images of IHC stained for AIB1 expression biopsy material. <i>Machine Vision and Applications</i> , 2021, 32, 1.	2.7	5
28	An implicit evolution scheme for active contours and surfaces based on IIR filtering. <i>Computers in Biology and Medicine</i> , 2014, 48, 42-54.	7.0	4
29	Discrete states of attention during active visual fixation revealed by Markovian analysis of the time series of intrusive saccades. <i>Neuroscience</i> , 2016, 339, 385-395.	2.3	4
30	Image Registration Based on Lifting Process: An Application to Digital Subtraction Radiography. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2006, 10, 763-774.	3.2	3
31	Correlating Changes in the Epithelial Gland Tissue With Advancing Colorectal Cancer Histologic Grade, Using IHC Stained for AIB1 Expression Biopsy Material. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2019, 27, 749-757.	1.2	3
32	Employing machine learning and microscopy images of AIB1-stained biopsy material to assess the 5-year survival of patients with colorectal cancer. <i>Microscopy Research and Technique</i> , 2021, 84, 2421-2433.	2.2	2
33	AN ENSEMBLE TEMPLATE MATCHING AND CONTENT-BASED IMAGE RETRIEVAL SCHEME TOWARDS EARLY STAGE DETECTION OF MELANOMA. <i>Image Analysis and Stereology</i> , 2016, 35, 137.	0.9	2
34	Vertebrae, IVD and spinal canal boundary extraction on MRI, utilizing CT-trained active shape models. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 2201-2214.	2.8	2
35	Classification of histological images of the endometrium using texture features. <i>Analytical and Quantitative Cytopathology and Histopathology</i> , 2013, 35, 105-113.	0.2	2
36	Detection of retinal pigment epithelium detachment from OCT images using multiscale Gaussian filtering. <i>Technology and Health Care</i> , 2019, 27, 301-316.	1.2	1

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37	GPU-enabled design of an adaptable pattern recognition system for discriminating squamous intraepithelial lesions of the cervix. <i>Biomedizinische Technik</i> , 2020, 65, 315-325.	0.8	1
38	Assessment of HPV Risk Type in H&E-stained Biopsy Specimens of the Cervix by Microscopy Image Analysis. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2020, 28, 702-710.	1.2	1
39	CT-MRI automatic surface-based registration schemes combining global and local optimization techniques. <i>Technology and Health Care</i> , 2003, 11, 219-32.	1.2	1
40	Evaluating Memory and Cognition via a Wearable EEG System: A Preliminary Study. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2021, , 52-66.	0.3	0