Pantelis A Asvestas

List of Publications by Year
in descending order

		687363	677142
40 papers	531 citations	13 h-index	22 g-index
40 all docs	40 docs citations	40 times ranked	657 citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating Memory and Cognition via a Wearable EEG System: A Preliminary Study. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 52-66.	0.3	0
2	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. Machine Vision and Applications, 2021, 32, 1.	2.7	5
3	Employing machine learning and microscopy images of AIB1 â€stained biopsy material to assess the 5â€year survival of patients with colorectal cancer. Microscopy Research and Technique, 2021, 84, 2421-2433.	2.2	2
4	Recognition of Blinks Activity Patterns during Stress Conditions Using CNN and Markovian Analysis. Signals, 2021, 2, 55-71.	1.9	13
5	Vertebrae, IVD and spinal canal boundary extraction on MRI, utilizing CT-trained active shape models. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 2201-2214.	2.8	2
6	A condition-independent framework for the classification of error-related brain activity. Medical and Biological Engineering and Computing, 2020, 58, 573-587.	2.8	10
7	GPU-enabled design of an adaptable pattern recognition system for discriminating squamous intraepithelial lesions of the cervix. Biomedizinische Technik, 2020, 65, 315-325.	0.8	1
8	Assessment of HPV Risk Type in H&E-stained Biopsy Specimens of the Cervix by Microscopy Image Analysis. Applied Immunohistochemistry and Molecular Morphology, 2020, 28, 702-710.	1.2	1
9	Bimodal CT/MRI-Based Segmentation Method for Intervertebral Disc Boundary Extraction. Information (Switzerland), 2020, 11, 448.	2.9	5
10	Detection of retinal pigment epithelium detachment from OCT images using multiscale Gaussian filtering. Technology and Health Care, 2019, 27, 301-316.	1.2	1
11	Correlating Changes in the Epithelial Gland Tissue With Advancing Colorectal Cancer Histologic Grade, Using IHC Stained for AIB1 Expression Biopsy Material. Applied Immunohistochemistry and Molecular Morphology, 2019, 27, 749-757.	1.2	3
12	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
13	Automatic identification of eye movements using the largest lyapunov exponent. Biomedical Signal Processing and Control, 2018, 41, 10-20.	5.7	11
14	Development of a Reference Image Collection Library for Histopathology Image Processing, Analysis and Decision Support Systems Research. Journal of Digital Imaging, 2017, 30, 287-295.	2.9	10
15	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
16	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
17	Discrete states of attention during active visual fixation revealed by Markovian analysis of the time series of intrusive saccades. Neuroscience, 2016, 339, 385-395.	2.3	4
18	AN ENSEMBLE TEMPLATE MATCHING AND CONTENT-BASED IMAGE RETRIEVAL SCHEME TOWARDS EARLY STAGE DETECTION OF MELANOMA. Image Analysis and Stereology, 2016, 35, 137.	0.9	2

#	ARTICLE	IF	CITATIONS
19	Automatic local parameterization of the Chan Vese active contour model's force coefficients using edge information. Journal of Visual Communication and Image Representation, 2015, 29, 71-78.	2.8	8
20	Automatic identification of oculomotor behavior using pattern recognition techniques. Computers in Biology and Medicine, 2015, 60, 151-162.	7.0	9
21	An implicit evolution scheme for active contours and surfaces based on IIR filtering. Computers in Biology and Medicine, 2014, 48, 42-54.	7.0	4
22	Classification of hysteroscopical images using texture and vessel descriptors. Medical and Biological Engineering and Computing, 2013, 51, 859-867.	2.8	17
23	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
24	Classification of histological images of the endometrium using texture features. Analytical and Quantitative Cytopathology and Histopathology, 2013, 35, 105-13.	0.2	2
25	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
26	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
27	Multimodal genetic algorithms-based algorithm for automatic point correspondence. Pattern Recognition, 2010, 43, 4011-4027.	8.1	11
28	An iterative point correspondence algorithm for automatic image registration: An application to dental subtraction radiography. Computer Methods and Programs in Biomedicine, 2009, 93, 61-72.	4.7	9
29	Application of Kohonen network for automatic point correspondence in 2D medical images. Computers in Biology and Medicine, 2009, 39, 630-645.	7.0	18
30	Classification of Event-Related Potentials Associated with Response Errors in Actors and Observers Based on Autoregressive Modeling. Open Medical Informatics Journal, 2009, 3, 32-43.	1.0	8
31	Detection of glaucomatous change based on vessel shape analysis. Computerized Medical Imaging and Graphics, 2008, 32, 183-192.	5.8	30
32	Image Registration Based on Lifting Process: An Application to Digital Subtraction Radiography. IEEE Transactions on Information Technology in Biomedicine, 2006, 10, 763-774.	3.2	3
33	Thoracic non-rigid registration combining self-organizing maps and radial basis functions. Medical Image Analysis, 2005, 9, 237-254.	11.6	27
34	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
35	Multimodal Registration of Retinal Images Using Self Organizing Maps. IEEE Transactions on Medical Imaging, 2004, 23, 1557-1563.	8.9	79
36	CT-MRI automatic surface-based registration schemes combining global and local optimization techniques. Technology and Health Care, 2003, 11, 219-32.	1.2	1

#	Article	IF	Citations
37	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
38	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
39	Impaired P600 in neuroleptic naive patients with first-episode schizophrenia. NeuroReport, 2001, 12, 2801-2806.	1.2	7
40	Abnormal P600 in heroin addicts with prolonged abstinence elicited during a working memory test. NeuroReport, 2001, 12, 1773-1778.	1.2	29