Wageeh W Boles

List of Publications by Year
in descending order

67 papers	2,189 citations
516561 16 h-index	526166 27 g-index
68 all docs	68 docs citations
68 times ranked	1300 citing authors

#	Article	IF	Citations
1	A human identification technique using images of the iris and wavelet transform. IEEE Transactions on Signal Processing, 1998, 46, 1185-1188.	3.2	867
2	Texture for script identification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1720-1732.	9.7	146
3	A Review of Medical Image Watermarking Requirements for Teleradiology. Journal of Digital Imaging, 2013, 26, 326-343.	1.6	133
4	Recognition of 2D object contours using the wavelet transform zero-crossing representation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1997, 19, 910-916.	9.7	123
5	Wavelet-based affine invariant representation: a tool for recognizing planar objects in 3D space. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1997, 19, 846-857.	9.7	80
6	A suspicious behaviour detection using a context space model for smart surveillance systems. Computer Vision and Image Understanding, 2012, 116, 194-209.	3.0	56
7	Digital image watermarking: its formal model, fundamental properties and possible attacks. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.0	56
8	Investigation of Fish-Eye Lenses for Small-UAV Aerial Photography. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 709-721.	2.7	51
9	Visualizing Student Opinion Through Text Analysis. IEEE Transactions on Education, 2019, 62, 305-311.	2.0	41
10	Attitude Estimation for a Fixed-Wing Aircraft Using Horizon Detection and Optical Flow. , 2007, , .		39
11	Combining multi-channel color space with local binary co-occurrence feature descriptors for accurate smoke detection from surveillance videos. Fire Safety Journal, 2018, 102, 1-10.	1.4	35
12	Wide-angle Visual Feature Matching for Outdoor Localization. International Journal of Robotics Research, 2010, 29, 267-297.	5.8	33
13	A security system based on human iris identification using wavelet transform. Engineering Applications of Artificial Intelligence, 1998, 11, 77-85.	4.3	32
14	An application of wavelet-based affine-invariant representation. Pattern Recognition Letters, 1995, 16, 1287-1296.	2.6	30
15	Scale-Invariant Features on the Sphere. , 2007, , .		29
16	Scale invariant feature matching with wide angle images. , 2007, , .		29
17	Region-of-interest processing for electronic visual prostheses. Journal of Electronic Imaging, 2008, 17, 013002.	0.5	29
18	Mobility enhancement and assessment for a visual prosthesis. , 2004, , .		26

#	Article	IF	Citations
19	Detecting Uncommon Trajectories. , 2008, , .		25
20	Content-independent embedding scheme for multi-modal medical image watermarking. BioMedical Engineering OnLine, 2015, 14, 7.	1.3	20
21	Barriers to student success in engineering education. European Journal of Engineering Education, 2017, 42, 368-381.	1.5	20
22	Segmentation of bone marrow stromal cells in phase contrast microscopy images. , 2008, , .		19
23	Utilizing Least Significant Bit-Planes of RONI Pixels for Medical Image Watermarking. , 2013, , .		19
24	Matching Cognitive Styles to Computer-based Instruction: An Approach for Enhanced Learning in Electrical Engineering. European Journal of Engineering Education, 1999, 24, 371-383.	1.5	17
25	Multispectral Periocular Classification With Multimodal Compact Multi-Linear Pooling. IEEE Access, 2017, 5, 14572-14578.	2.6	17
26	<title>Challenges in digital imaging for artificial human vision</title>. , 2001, , .		16
27	Static image simulation of electronic visual prostheses. , 2001, , .		15
28	Developing a Digital Image Watermarking Model. , 2011, , .		15
29	On the robustness and security of digital image watermarking. , 2012, , .		15
30	Spherical Diffusion for Scale-Invariant Keypoint Detection in Wide-Angle Images. , 2008, , .		11
31	Recursive two-dimensional median filtering algorithms for fast image root extraction. IEEE Transactions on Circuits and Systems, 1988, 35, 1323-1326.	0.9	9
32	Scene specific imaging for bionic vision implants. , 0, , .		9
33	Applying natural language processing to automatically assess student conceptual understanding from textual responses. Australasian Journal of Educational Technology, 2021, 37, 98-115.	2.0	9
34	Insights Into Students' Conceptual Understanding Using Textual Analysis: A Case Study in Signal Processing. IEEE Transactions on Education, 2016, 59, 216-223.	2.0	8
35	Text analysis in education: a review of selected software packages with an application for analysing students' conceptual understanding. Australasian Journal of Engineering Education, 2018, 23, 25-39.	0.2	8
36	Visual perception of low quality images. , 0, , .		7

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37	A Context-Based Approach for Detecting Suspicious Behaviours. , 2009, , .		7
38	Counterfeiting attacks on block-wise dependent fragile watermarking schemes. , 2013, , .		7
39	A reduced edge distortion median filtering algorithm for binary images. Signal Processing, 1990, 21, 37-47.	2.1	6
40	A Multiple-Control Fuzzy Vault. , 2008, , .		6
41	Adaptive unsupervised learning of human actions. , 2009, , .		6
42	Watermarking Capacity Control for Dynamic Payload Embedding. Advances in Intelligent Systems and Computing, 2015, , 143-152.	0.5	6
43	An image processing approach for estimating the number of live prawn larvae in water. , 0, , .		5
44	Vibration Compensation for Fisheye Lenses in UAV Applications. , 2007, , .		5
45	An Update-Describe Approach for Human Action Recognition in Surveillance Video. , 2010, , .		5
46	A Context Space Model for Detecting Anomalous Behaviour in Video Surveillance. , 2012, , .		5
47	Complex Daubechies wavelet based affine invariant representation for object recognition. , 0, , .		4
48	Periocular recognition under expression variation using Higher Order Spectral features. , 2015, , .		4
49	A Model Integrating Fire Prediction and Detection for Rural-Urban Interface. , 2015, , .		4
50	Modelling attacks on self-authentication watermarking. Multimedia Tools and Applications, 2016, 75, 15849-15880.	2.6	4
51	A Scheme for Enhancing Security Using Multiple Fingerprints and the Fuzzy Vault. , 2008, , .		3
52	High Resolution Change Detection Using Planet Mosaic. , 2019, , .		3
53	Detecting commonly occupied regions in video sequences. , 2008, , .		2
54	Using textual analysis with concept inventories to identify root causes of misconceptions. , 2014, , .		2

#	Article	IF	Citations
55	Enhancing the effectiveness of concept inventories using textual analysis: investigations in an electrical engineering subject. European Journal of Engineering Education, 2019, 44, 222-233.	1.5	2
56	Early Results in Vision-based Map Building. , 2006, , 207-216.		2
57	A new view of shape. , 1999, , .		1
58	Understanding the use of domain and task knowledge in the interpretation of graphical displays. European Journal of Psychology of Education, 2001, 16, 491-508.	1.3	1
59	Map Building Using Cheap Digital Cameras. , 2007, , .		1
60	Panel Session—Providing Automated and Individually Tailored Assessment Feedback. , 2018, , .		1
61	Categorising Student Responses for Feedback Based on Multiple Choice and Text Responses. , 2018, , .		1
62	Change Detection over the State of Queensland using High Resolution Planet Satellite Mosaics. , 2019, , .		1
63	Visual Prostheses for the Blind: A Framework for Information Presentation. , 2008, , 275-287.		1
64	Cognitive styles, subject content and the design of computer based instruction. , 0, , .		0
65	Representing and identifying jointed objects using a multiresolution technique. , 0, , .		0
66	Space Curve Representation and Recognition Based on Wavelet Transform Zero-Crossings. Journal of Mathematical Imaging and Vision, 2000, 13, 5-16.	0.8	0
67	Outdoor Localization Using Wide-Angle Visual Feature Matching and Image Retrieval. Springer Tracts in Advanced Robotics, 2010, , 255-265.	0.3	0