

Ikhlas Abdel-Qader

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45
papers

818
citations

10
h-index

28
g-index

60
ext. papers

1,055
ext. citations

2.8
avg, IF

4.17
L-index

#	Paper	IF	Citations
45	Analysis of Edge-Detection Techniques for Crack Identification in Bridges. <i>Journal of Computing in Civil Engineering</i> , 2003 , 17, 255-263	5	428
44	PCA-Based algorithm for unsupervised bridge crack detection. <i>Advances in Engineering Software</i> , 2006 , 37, 771-778	3.6	103
43	Segmentation of thermal images for non-destructive evaluation of bridge decks. <i>NDT and E International</i> , 2008 , 41, 395-405	4.1	54
42	Brain Tumor Classification via Statistical Features and Back-Propagation Neural Network 2018 ,		47
41	Unsupervised Fault Detection and Analysis for Large Photovoltaic Systems Using Drones and Machine Vision. <i>Energies</i> , 2018 , 11, 2252	3.1	39
40	Using Non-Destructive technologies and methods in Bridge management systems. <i>Journal of Urban Technology</i> , 2004 , 11, 63-76	5.9	18
39	Ground-Penetrating Radar, Chain Drag, and Ground Truth: Correlation of Bridge Deck Assessment Data. <i>Transportation Research Record</i> , 2008 , 2044, 39-50	1.7	13
38	Fault detection in photovoltaic system using SLIC and thermal images 2017 ,		12
37	Symmetrical pattern and PCA based framework for fault detection and classification in power systems 2010 ,		11
36	An image segmentation algorithm for the detection of rebar in bridge decks from GPR scans 2007 ,		11
35	A Computer-Aided Diagnosis System for Breast Cancer Using Independent Component Analysis and Fuzzy Classifier. <i>Modelling and Simulation in Engineering</i> , 2008 , 2008, 1-9	1.3	9
34	Fault detection and localization in solar photovoltaic arrays using the current-voltage sensing framework 2016 ,		7
33	Towards Sensor-Based Health Monitoring Systems for Bridge Decks: A Full-Depth Precast Deck Panels Case Study. <i>Advances in Civil Engineering</i> , 2010 , 2010, 1-14	1.3	5
32	Impact of APs selection scheme on compressive sensing-fingerprinting based IPS performance 2016 ,		5
31	GPR imaging for bridge deck condition assessment. <i>Bridge Structures</i> , 2008 , 4, 75-86	0.7	4
30	Unsupervised Detection of Suspicious Tissue Using Data Modeling and PCA. <i>International Journal of Biomedical Imaging</i> , 2006 , 2006, 57850	5.2	4
29	Efficient maximum power point tracking based on reweighted zero-attracting variable stepsize for grid interfaced photovoltaic systems. <i>Computers and Electrical Engineering</i> , 2020 , 85, 106672	4.3	3

28	An adaptive K-NN based on multiple services set identifiers for indoor positioning system with an ensemble approach 2018,		3
27	On Feature Selection for the Prediction of Phishing Websites 2017,		3
26	Generalized solutions for THD investigation in cascaded multicell multilevel converters modulated with selective harmonic elimination PWM switching method 2016,		3
25	Fault Detection and Localization in Solar Photovoltaic Arrays Framework: Hybrid Methods of Data-Analysis and a Network of Voltage-Current Sensors 2018,		3
24	RSS-Fingerprint Dimensionality Reduction for Multiple Service Set Identifier-Based Indoor Positioning Systems. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3137	2.6	2
23	Performance and comparison analysis of speed control of induction motors using improved hybrid PID-fuzzy controller 2015,		2
22	Improving pattern classification by nonlinearly combined classifiers 2016,		2
21	Indoor positioning system using multiple services set identifiers-based fingerprints 2017,		2
20	Performance Analysis of Majority Vote Combiner for Multiple Classifier Systems 2015,		2
19	Analysis of multiple classifier system using product and modified product rules 2015,		2
18	2004,		2
17	Convex Optimization Via Jensen-Bregman Divergence for WLAN Indoor Positioning System. <i>International Journal of Handheld Computing Research</i> , 2017 , 8, 29-41		2
16	Intelligent Performance Assessment System for Laparoscopic Surgical Box-Trainer 2018,		2
15	Prostate cancer recognition based on mass spectrometry sensing data and data fingerprint recovery. <i>Biomedical Signal Processing and Control</i> , 2017 , 33, 392-399	4.9	1
14	A Robust Sparse System Identification via Integrating an Individualized Time-Varying Stepsize Adjustments 2019,		1
13	Detection and classification of small perturbations in GPR scans of reinforced concrete bridge decks 2012,		1
12	Fractals and Independent Component Analysis for Defect Detection in Bridge Decks. <i>Advances in Civil Engineering</i> , 2011 , 2011, 1-14	1.3	1
11	Characterization of clustered microcalcifications using multiscale Hessian based feature extraction 2010,		1

10	Embedded ROI coding of mammograms via combined SPIHT and integer wavelet transforms 2007 ,		1
9	A Hybrid Feature Extraction Framework for Face Recognition. <i>International Journal of Handheld Computing Research</i> , 2017 , 8, 1-13		1
8	Mass spectrometry sensing data for robust cancer classification 2016 ,		1
7	Hybrid Histograms of Oriented Gradients-compressive sensing framework feature extraction for face recognition 2016 ,		1
6	A Fast and Robust System Identification on Compressive Sensing Signal Recovery Based on Multiple Time-Vary Step-size Adaptation Technique 2019 ,		1
5	Coefficient-Gradient-Based Individualized Stepsize Adaptation Mechanism for Robust System Identification. <i>Circuits, Systems, and Signal Processing</i> , 2021 , 40, 3033-3074	2.2	1
4	Fuzzy logic supervisor & surgical skills assessment system using multi-class detection of laparoscopic box-trainer instruments. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022 , 1-16	1.6	1
3	Monitoring System for Persons With Alzheimer's Disease via Video-Object Tracking. <i>International Journal of Mobile Devices Wearable Technology and Flexible Electronics</i> , 2018 , 9, 18-36	0.2	
2	Reducing Tracking Error in RFID Real-Time Localization Systems Using Kalman Filters. <i>International Journal of Handheld Computing Research</i> , 2014 , 5, 1-24		
1	Monitoring System for Persons With Alzheimer's Disease via Video-Object Tracking 2021 , 570-588		