

# Ikhlas Abdel-Qader

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10491139/publications.pdf>

Version: 2024-02-01

60  
papers

1,275  
citations

1162367

8  
h-index

839053

18  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1090  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Edge-Detection Techniques for Crack Identification in Bridges. Journal of Computing in Civil Engineering, 2003, 17, 255-263.	2.5	606
2	PCA-Based algorithm for unsupervised bridge crack detection. Advances in Engineering Software, 2006, 37, 771-778.	1.8	147
3	Brain Tumor Classification via Statistical Features and Back-Propagation Neural Network. , 2018, , .		116
4	Segmentation of thermal images for non-destructive evaluation of bridge decks. NDT and E International, 2008, 41, 395-405.	1.7	68
5	Unsupervised Fault Detection and Analysis for Large Photovoltaic Systems Using Drones and Machine Vision. Energies, 2018, 11, 2252.	1.6	60
6	Using Non-Destructive technologies and methods in Bridge management systems. Journal of Urban Technology, 2004, 11, 63-76.	2.5	19
7	Fault detection in photovoltaic system using SLIC and thermal images. , 2017, , .		19
8	Symmetrical pattern and PCA based framework for fault detection and classification in power systems. , 2010, , .		18
9	Ground-Penetrating Radar, Chain Drag, and Ground Truth. Transportation Research Record, 2008, 2044, 39-50.	1.0	17
10	Fault detection and localization in solar photovoltaic arrays using the current-voltage sensing framework. , 2016, , .		15
11	An image segmentation algorithm for the detection of rebar in bridge decks from GPR scans. , 2007, , .		13
12	A Computer-Aided Diagnosis System for Breast Cancer Using Independent Component Analysis and Fuzzy Classifier. Modelling and Simulation in Engineering, 2008, 2008, 1-9.	0.4	13
13	RSS-Fingerprint Dimensionality Reduction for Multiple Service Set Identifier-Based Indoor Positioning Systems. Applied Sciences (Switzerland), 2019, 9, 3137.	1.3	12
14	On Feature Selection for the Prediction of Phishing Websites. , 2017, , .		10
15	Adaptive DBSCAN LiDAR Point Cloud Clustering For Autonomous Driving Applications. , 2022, , .		10
16	Fault Detection and Localization in Solar Photovoltaic Arrays Framework: Hybrid Methods of Data-Analysis and a Network of Voltage-Current Sensors. , 2018, , .		9
17	Performance and comparison analysis of speed control of induction motors using improved hybrid PID-fuzzy controller. , 2015, , .		8
18	Towards Sensor-Based Health Monitoring Systems for Bridge Decks: A Full-Depth Precast Deck Panels Case Study. Advances in Civil Engineering, 2010, 2010, 1-14.	0.4	7

#	ARTICLE	IF	CITATIONS
19	An adaptive K-NN based on multiple services set identifiers for indoor positioning system with an ensemble approach. , 2018, , .		6
20	Efficient maximum power point tracking based on reweighted zero-attracting variable stepsize for grid interfaced photovoltaic systems. Computers and Electrical Engineering, 2020, 85, 106672.	3.0	6
21	Unsupervised Detection of Suspicious Tissue Using Data Modeling and PCA. International Journal of Biomedical Imaging, 2006, 2006, 1-11.	3.0	5
22	Embedded ROI coding of mammograms via combined SPIHT and integer wavelet transforms. , 2007, , .		5
23	Fractals and Independent Component Analysis for Defect Detection in Bridge Decks. Advances in Civil Engineering, 2011, 2011, 1-14.	0.4	5
24	Impact of APs selection scheme on compressive sensing-fingerprinting based IPS performance. , 2016, , .		5
25	Hybrid Histograms of Oriented Gradients-compressive sensing framework feature extraction for face recognition. , 2016, , .		5
26	A framework for sparse adaptive system identification via integrating a new multiple time-varying stepsize and zero-attracting techniques. , 2018, , .		5
27	Intelligent Performance Assessment System for Laparoscopic Surgical Box-Trainer. , 2018, , .		5
28	A Fast MPPT Algorithm for Smart Grid-PV Connected System Based on Multiple Sparse-Aware Time-Varying Stepsize Adaptation Technique. , 2019, , .		5
29	GPR imaging for bridge deck condition assessment. Bridge Structures, 2008, 4, 75-86.	0.2	4
30	Generalized solutions for THD investigation in cascaded multicell multilevel converters modulated with selective harmonic elimination PWM switching method. , 2016, , .		4
31	Prostate cancer recognition based on mass spectrometry sensing data and data fingerprint recovery. Biomedical Signal Processing and Control, 2017, 33, 392-399.	3.5	4
32	Performance Analysis of Majority Vote Combiner for Multiple Classifier Systems. , 2015, , .		3
33	Indoor positioning system using multiple services set identifiers-based fingerprints. , 2017, , .		3
34	Access Point Selection Using Particle Swarm Optimization in Indoor Positioning Systems. , 2018, , .		3
35	A Log-Based Step-Size Adaptation Technique for Fast and Robust Maximum Power Point Tracking Method for Solar PV Grid Tied System. , 2019, , .		3
36	Convex Optimization Via Jensen-Bregman Divergence for WLAN Indoor Positioning System. International Journal of Handheld Computing Research, 2017, 8, 29-41.	0.4	3

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37	A Hybrid Feature Extraction Framework for Face Recognition. International Journal of Handheld Computing Research, 2017, 8, 1-13.	0.4	3
38	Fuzzy logic supervisor “ A surgical skills assessment system using multi-class detection of laparoscopic box-trainer instruments. Journal of Intelligent and Fuzzy Systems, 2022, 43, 4741-4756.	0.8	3
39	Linear structure modeling and PCA algorithm for bridge crack detection. , 2004, , .		2
40	Evaluating sensors for bridge health monitoring. , 2007, , .		2
41	Detection and classification of small perturbations in GPR scans of reinforced concrete bridge decks. , 2012, , .		2
42	Analysis of multiple classifier system using product and modified product rules. , 2015, , .		2
43	Improving pattern classification by nonlinearly combined classifiers. , 2016, , .		2
44	Performance Analysis of Excess Mean Square Error of Adjusting Log-Based Step-size for LMS Algorithm with High Variance Input. , 2019, , .		2
45	Retinex-Based Framework for Visibility Enhancement During Inclement Weather with Tracking and Estimating Distance of Vehicles. , 2019, , .		2
46	Hardware Accelerator for Edge Detection. , 2020, , .		2
47	Characterization of clustered microcalcifications using multiscale Hessian based feature extraction. , 2010, , .		1
48	Mass spectrometry sensing data for robust cancer classification. , 2016, , .		1
49	Automatic Food-Intake Monitoring System for Persons Living with Alzheimer’s-Vision-Based Embedded System. , 2018, , .		1
50	A Robust Sparse System Identification via Integrating an Individualized Time-Varying Step-size Adjustments. , 2019, , .		1
51	A Fast and Robust System Identification on Compressive Sensing Signal Recovery Based on Multiple Time-Vary Step-size Adaptation Technique. , 2019, , .		1
52	Coefficient-Gradient-Based Individualized Step-size Adaptation Mechanism for Robust System Identification. Circuits, Systems, and Signal Processing, 2021, 40, 3033-3074.	1.2	1
53	Reducing Tracking Error in RFID Real-Time Localization Systems Using Kalman Filters. International Journal of Handheld Computing Research, 2014, 5, 1-24.	0.4	1
54	Removing interference from above ground reflectors in ground penetrating radar data. , 2014, , .		0

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55	Multicore Real Time Feature Detection System Using Thermal Video for Nondestructive Testing. , 2016, , .		0
56	Arc Flash Assessment: Two-Case Study of Public Service Facilities in Kalamazoo, Michigan. , 2018, , .		0
57	Compressive Sensing Evaluation Strategy For Prostate Cancer Classification. , 2020, , .		0
58	A Robust MPPT Method Based on AWILOG-ZALMS Algorithm for SPV Systems Under Various Loads and Non-Uniform Irradiance Conditions. , 2020, , .		0
59	Monitoring System for Persons With Alzheimer's Disease via Video-Object Tracking. , 2021, , 570-588.		0
60	Monitoring System for Persons With Alzheimer's Disease via Video-Object Tracking. International Journal of Mobile Devices Wearable Technology and Flexible Electronics, 2018, 9, 18-36.	0.1	0