

Abdul Bais

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

611
citations

840776

11
h-index

713466

21
g-index

64
all docs

64
docs citations

64
times ranked

622
citing authors

#	ARTICLE	IF	CITATIONS
1	Color based skin classification. Pattern Recognition Letters, 2012, 33, 157-163.	4.2	126
2	Weed detection in canola fields using maximum likelihood classification and deep convolutional neural network. Information Processing in Agriculture, 2020, 7, 535-545.	4.1	65
3	Dynamical system based compact deep hybrid network for classification of Parkinson disease related EEG signals. Neural Networks, 2020, 130, 75-84.	5.9	51
4	Real-Time Vehicle Make and Model Recognition System. Machine Learning and Knowledge Extraction, 2019, 1, 611-629.	5.0	27
5	Towards feature points based image matching between satellite imagery and aerial photographs of agriculture land. Computers and Electronics in Agriculture, 2016, 126, 12-20.	7.7	18
6	Distributed big data management in smart grid. , 2017, , .		18
7	Feature points for multisensor images. Computers and Electrical Engineering, 2017, 62, 511-523.	4.8	17
8	A Review on Big Data Analysis and Internet of Things. , 2016, , .		16
9	Single landmark based self-localization of mobile robots. , 0, , .		14
10	Crop and Weed Leaf Area Index Mapping Using Multi-Source Remote and Proximal Sensing. IEEE Access, 2020, 8, 138179-138190.	4.2	14
11	DeepVeg: Deep Learning Model for Segmentation of Weed, Canola, and Canola Flea Beetle Damage. IEEE Access, 2021, 9, 119367-119380.	4.2	13
12	Distributed Smart Home Architecture for Data Handling in Smart Grid. Canadian Journal of Electrical and Computer Engineering, 2018, 41, 17-27.	2.0	13
13	Canopy Height Estimation at Landsat Resolution Using Convolutional Neural Networks. Machine Learning and Knowledge Extraction, 2020, 2, 23-36.	5.0	12
14	End to End Segmentation of Canola Field Images Using Dilated U-Net. IEEE Access, 2021, 9, 59741-59753.	4.2	12
15	A Performance Evaluation of SIFT and SURF for Multispectral Image Matching. Lecture Notes in Computer Science, 2012, , 166-173.	1.3	12
16	Evaluation of UMTS security architecture and services. , 2006, , .		11
17	Forensic speaker recognition: A new method based on extracting accent and language information from short utterances. Forensic Science International: Digital Investigation, 2020, 34, 300982.	1.7	11
18	Stereo Vision Based Self-localization of Autonomous Mobile Robots. Lecture Notes in Computer Science, 2008, , 367-380.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Line-based landmark recognition for self-localization of soccer robots. , 0, , .		8
20	Quantification and visualization of MRI cartilage of the knee: A simplified approach. , 2010, , .		8
21	On Optimal Placement of Short Range Base Stations for Indoor Position Estimation. Journal of Applied Research and Technology, 2014, 12, 886-897.	0.9	8
22	On fair and optimal multi-source IP-multicast. Computer Networks, 2012, 56, 1503-1524.	5.1	7
23	Performance analysis of dimensionality reduction techniques for demand side management. , 2017, , .		7
24	Location tracker for a mobile robot. Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on, 2007, , .	0.0	6
25	Comparative analysis of software defined networking (SDN) controllers " In terms of traffic handling capabilities. , 2016, , .		6
26	Active Single Landmark Based Global Localization of Autonomous Mobile Robots. Lecture Notes in Computer Science, 2006, , 202-211.	1.3	6
27	Evaluation of Dimensionality Reduction Techniques for Load Profiling Application in Smart Grid Environment. Canadian Journal of Electrical and Computer Engineering, 2021, 44, 41-49.	2.0	5
28	Weed Density Estimation Using Semantic Segmentation. Lecture Notes in Computer Science, 2020, , 162-171.	1.3	5
29	Real Time Object Tracking in a Video Sequence Using a Fixed Point DSP. Lecture Notes in Computer Science, 2008, , 879-888.	1.3	4
30	A new base stations placement approach for enhanced vehicle position estimation in parking lot. , 2012, , .		4
31	Evaluation of Base Station Placement Scenarios for Mobile Node Localization. , 2012, , .		4
32	Semi-supervised image classification with huberized Laplacian Support Vector Machines. , 2013, , .		4
33	Artificial Neural Network for Microwave Filter Design using a Circuit Model. , 2021, , .		4
34	Registering aerial photographs of farmland with satellite imagery. , 2010, , .		3
35	Real time image registration based on feature tracking using a Digital Signal Processor. , 2010, , .		3
36	Unequal channel protection of multiple description codes for wireless broadcast applications. Signal Processing: Image Communication, 2012, 27, 625-636.	3.2	3

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37	On message filtering for cooperative localisation of vehicles in an urban environment. International Journal of Heavy Vehicle Systems, 2014, 21, 42.	0.2	3
38	Modified Differential Golomb Arithmetic Lossless Compression Algorithm for Smart Grid Applications. , 2018, , .		3
39	Adaptation of dynamical properties of time series data and its applications in deep brain stimulation. Nonlinear Dynamics, 2020, 99, 3231-3251.	5.2	3
40	Feature points-based image registration between satellite imagery and aerial images of agricultural land. Turkish Journal of Electrical Engineering and Computer Sciences, 2020, 28, 1458-1473.	1.4	3
41	Visible Spectrum and Infra-Red Image Matching: A New Method. Applied Sciences (Switzerland), 2020, 10, 1162.	2.5	3
42	Quantization for Robust Distributed Coding. International Journal of Distributed Sensor Networks, 2016, 12, 6308410.	2.2	3
43	A hybrid approach towards vision based self-localization of autonomous mobile robots. , 2007, , .		2
44	Comparison of reconstruction and example-based Super-Resolution. , 2011, , .		2
45	Memory Efficient Vision Based Line Feature Extraction for Tiny Mobile Robots. Lecture Notes in Computer Science, 2009, , 287-296.	1.3	2
46	Comparison of Self-Localization Methods for Soccer Robots. Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on, 2007, , .	0.0	1
47	An invisible dual watermarking scheme for authentication and copyrights protection. , 2009, , .		1
48	Objective function for base stations placement using the nested square pattern. , 2013, , .		1
49	A Stochastic Model for Environment Sensing Correction. IETE Journal of Research, 2013, 59, 176.	2.6	1
50	Intra-layer network coding for lossy communication of progressive codes. AEU - International Journal of Electronics and Communications, 2014, 68, 611-615.	2.9	1
51	Analysis of Positioning Uncertainty in Vehicular Environment. , 2016, , .		1
52	Real Time Fixed Point Adaptive Chaotic System Generator for Deep Brain Stimulation Using FPGA. , 2018, , .		1
53	A new software approach for real time OFDM. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	0
54	Cell phone based geographical advertisement system (CGAS). , 2009, , .		0

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55	Design and implementation of real time LPR system on a fixed point DSP. , 2010, , .		0
56	Efficient Implementation of Image Registration Based on Feature Tracking. , 2010, , .		0
57	Updating Farmland Satellite Imagery Using High Resolution Aerial Images. , 2011, , .		0
58	Unequal channel error protection of multiple description codes for wireless media streaming. , 2011, , .		0
59	A theoretical framework for analysis of communication pathways in random networks. , 2012, , .		0
60	A Gradient Extension of Center Symmetric Local Binary Patterns for Robust RGB-NIR Image Matching. , 2014, , .		0
61	Self-calibrating laser-pointer's spotlight detection system for projection screen interaction. , 2015, , .		0
62	p2pHT: A Point to Point Hough Transform. , 2016, , .		0