Abdul Bais

List of Publications by Year
in descending order

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	End to End Segmentation of Canola Field Images Using Dilated U-Net. IEEE Access, 2021, 9, 59741-59753.	4.2	12
2	Artificial Neural Network for Microwave Filter Design using a Circuit Model. , 2021, , .		4
3	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
4	DeepVeg: Deep Learning Model for Segmentation of Weed, Canola, and Canola Flea Beetle Damage. IEEE Access, 2021, 9, 119367-119380.	4.2	13
5	Adaptation of dynamical properties of time series data and its applications in deep brain stimulation. Nonlinear Dynamics, 2020, 99, 3231-3251.	5.2	3
6	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
7	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
8	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
9	Crop and Weed Leaf Area Index Mapping Using Multi-Source Remote and Proximal Sensing. IEEE Access, 2020, 8, 138179-138190.	4.2	14
10	Canopy Height Estimation at Landsat Resolution Using Convolutional Neural Networks. Machine Learning and Knowledge Extraction, 2020, 2, 23-36.	5.0	12
11	Dynamical system based compact deep hybrid network for classification of Parkinson disease related EEG signals. Neural Networks, 2020, 130, 75-84.	5.9	51
12	Visible Spectrum and Infra-Red Image Matching: A New Method. Applied Sciences (Switzerland), 2020, 10, 1162.	2.5	3
13	Weed Density Estimation Using Semantic Segmentation. Lecture Notes in Computer Science, 2020, , 162-171.	1.3	5
14	Real-Time Vehicle Make and Model Recognition System. Machine Learning and Knowledge Extraction, 2019, 1, 611-629.	5.0	27
15	Real Time Fixed Point Adaptive Chaotic System Generator for Deep Brain Stimulation Using FPGA. , 2018, , .		1
16	Modified Differential Golomb Arithmetic Lossless Compression Algorithm for Smart Grid Applications. , 2018, , .		3
17	Distributed Smart Home Architecture for Data Handling in Smart Grid. Canadian Journal of Electrical and Computer Engineering, 2018, 41, 17-27.	2.0	13
18	Feature points for multisensor images. Computers and Electrical Engineering, 2017, 62, 511-523.	4.8	17

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19	Distributed big data management in smart grid. , 2017, , .		18
20	Performance analysis of dimensionality reduction techniques for demand side management. , 2017, , .		7
21	p2pHT: A Point to Point Hough Transform. , 2016, , .		0
22	Comparative analysis of software defined networking (SDN) controllers â€" In terms of traffic handling capabilities. , 2016, , .		6
23	Analysis of Positioning Uncertainty in Vehicular Environment. , 2016, , .		1
24	A Review on Big Data Analysis and Internet of Things. , 2016, , .		16
25	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
26	Quantization for Robust Distributed Coding. International Journal of Distributed Sensor Networks, 2016, 12, 6308410.	2.2	3
27	Self-calibrating laser-pointer's spotlight detection system for projection screen interaction. , 2015, , .		0
28	A Gradient Extension of Center Symmetric Local Binary Patterns for Robust RGB-NIR Image Matching. , 2014, , .		0
29	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
30	Intra-layer network coding for lossy communication of progressive codes. AEU - International Journal of Electronics and Communications, 2014, 68, 611-615.	2.9	1
31	On message filtering for cooperative localisation of vehicles in an urban environment. International Journal of Heavy Vehicle Systems, 2014, 21, 42.	0.2	3
32	Objective function for base stations placement using the nested square pattern. , 2013, , .		1
33	A Stochastic Model for Environment Sensing Correction. IETE Journal of Research, 2013, 59, 176.	2.6	1
34	Semi-supervised image classification with huberized Laplacian Support Vector Machines. , 2013, , .		4
35	A theoretical framework for analysis of communication pathways in random networks. , 2012, , .		0
36	A new base stations placement approach for enhanced vehicle position estimation in parking lot. , 2012, , .		4

#	ARTICLE	IF	CITATIONS
37	Evaluation of Base Station Placement Scenarios for Mobile Node Localization. , 2012, , .		4
38	On fair and optimal multi-source IP-multicast. Computer Networks, 2012, 56, 1503-1524.	5.1	7
39	Unequal channel protection of multiple description codes for wireless broadcast applications. Signal Processing: Image Communication, 2012, 27, 625-636.	3.2	3
40	Color based skin classification. Pattern Recognition Letters, 2012, 33, 157-163.	4.2	126
41	A Performance Evaluation of SIFT and SURF for Multispectral Image Matching. Lecture Notes in Computer Science, 2012, , 166-173.	1.3	12
42	Comparison of reconstruction and example-based Super-Resolution. , 2011, , .		2
43	Updating Farmland Satellite Imagery Using High Resolution Aerial Images. , 2011, , .		0
44	Unequal channel error protection of multiple description codes for wireless media streaming. , 2011, , .		0
45	Registering aerial photographs of farmland with satellite imagery. , 2010, , .		3
46	Design and implementation of real time LPR system on a fixed point DSP. , 2010, , .		0
47	Real time image registration based on feature tracking using a Digital Signal Processor. , 2010, , .		3
48	Quantification and visualization of MRI cartilage of the knee: A simplified approach. , 2010, , .		8
49	Efficient Implementation of Image Registration Based on Feature Tracking. , 2010, , .		0
50	An invisible dual watermarking scheme for authentication and copyrights protection. , 2009, , .		1
51	Cell phone based geographical advertisement system (CGAS). , 2009, , .		0
52	Memory Efficient Vision Based Line Feature Extraction for Tiny Mobile Robots. Lecture Notes in Computer Science, 2009, , 287-296.	1.3	2
53	Real Time Object Tracking in a Video Sequence Using a Fixed Point DSP. Lecture Notes in Computer Science, 2008, , 879-888.	1.3	4
54	A new software approach for real time OFDM. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	0

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55	Stereo Vision Based Self-localization of Autonomous Mobile Robots. Lecture Notes in Computer Science, 2008, , 367-380.	1.3	10
56	Location tracker for a mobile robot. Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on, 2007, , .	0.0	6
57	Comparison of Self-Localization Methods for Soccer Robots. Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on, 2007, , .	0.0	1
58	A hybrid approach towards vision based self-localization of autonomous mobile robots. , 2007, , .		2
59	Evaluation of UMTS security architecture and services. , 2006, , .		11
60	Active Single Landmark Based Global Localization of Autonomous Mobile Robots. Lecture Notes in Computer Science, 2006, , 202-211.	1.3	6
61	Line-based landmark recognition for self-localization of soccer robots. , 0, , .		8
62	Single landmark based self-localization of mobile robots. , 0, , .		14