Boris Xavier Vintimilla Burgos

List of Publications by Year
in descending order

37 papers	436 citations

1307594

7 h-index	

1058476

14 g-index	

39 all docs	39 docs citations

39 times ranked	357 citing authors

#	Article	IF	Citations
1	Infrared Image Colorization Based on a Triplet DCGAN Architecture. , 2017, , .		91
2	Feature Point Descriptors: Infrared and Visible Spectra. Sensors, 2014, 14, 3690-3701.	3.8	39
3	Wavelet-Based Visible and Infrared Image Fusion: A Comparative Study. Sensors, 2016, 16, 861.	3.8	34
4	Sensor Fault Detection and Diagnosis for autonomous vehicles. MATEC Web of Conferences, 2015, 30, 04003.	0.2	26
5	Deep Learning Based Single Image Dehazing. , 2018, , .		24
6	Thermal Image SuperResolution Through Deep Convolutional Neural Network. Lecture Notes in Computer Science, 2019, , 417-426.	1.3	23
7	A Visible-Thermal Fusion Based Monocular Visual Odometry. Advances in Intelligent Systems and Computing, 2016, , 517-528.	0.6	22
8	A Fault Tolerant Perception system for autonomous vehicles. , 2016, , .		21
9	Efficient approximation of gray-scale images through bounded error triangular meshes. , 0, , .		16
10	Acceleration of filtering and enhancement operations through geometric processing of gray-level images. , 0, , .		13
11	Learning to Colorize Infrared Images. Advances in Intelligent Systems and Computing, 2018, , 164-172.	0.6	13
12	Cross-spectral image patch similarity using convolutional neural network. , 2017, , .		12
13	Thermal Image Super-Resolution Challenge - PBVS 2020. , 2020, , .		12
14	Approximation and Processing of Intensity Images with Discontinuity-Preserving Adaptive Triangular Meshes. Lecture Notes in Computer Science, 2000, , 844-855.	1.3	11
15	Towards fault tolerant perception for autonomous vehicles: Local fusion. , 2015, , .		8
16	Learning image vegetation index through a conditional generative adversarial network. , 2017, , .		8
17	Image Vegetation Index Through a Cycle Generative Adversarial Network. , 2019, , .		8
18	Near InfraRed Imagery Colorization. , 2018, , .		7

#	Article	IF	Citations
19	Monocular visual odometry: A cross-spectral image fusion based approach. Robotics and Autonomous Systems, 2016, 85, 26-36.	5.1	6
20	Colorizing Infrared Images Through a Triplet Conditional DCGAN Architecture. Lecture Notes in Computer Science, 2017, , 287-297.	1.3	6
21	Vegetation Index Estimation fromÂMonospectral Images. Lecture Notes in Computer Science, 2018, , 353-362.	1.3	6
22	Detection of Individual Specimens in Populations Using Contour Energies. , 2007, , 575-586.		6
23	A Novel Domain Transfer-Based Approach for Unsupervised Thermal Image Super-Resolution. Sensors, 2022, 22, 2254.	3.8	5
24	A Dijkstra-Based Algorithm for Selecting the Shortest-Safe Evacuation Routes in Dynamic Environments (SSER). Lecture Notes in Computer Science, 2017, , 131-135.	1.3	4
25	Edge Point Linking by Means of Global and Local Schemes. , 2008, , 115-125.		4
26	Cost-based closed-contour representations. Journal of Electronic Imaging, 2007, 16, 023009.	0.9	3
27	Adaptive Harris Corner Detector Evaluated with Cross-Spectral Images. Advances in Intelligent Systems and Computing, 2018, , 732-744.	0.6	3
28	Cross-Spectral Image Dehaze through a Dense Stacked Conditional GAN Based Approach. , 2018, , .		2
29	Acceleration of thresholding and labeling operations through geometric processing of gray-level images. , 0, , .		1
30	Deep learning-based vegetation index estimation. , 2021, , 205-234.		1
31	Contour Energy Features for Recognition of Biological Specimens in Population Images. Lecture Notes in Computer Science, 2007, , 1061-1070.	1.3	1
32	Geometric and topological lossy compression of dense range images. , 2000, , .		0
33	An approach to automatic assistance in physiotherapy based on on-line movement identification. , 2012, , .		0
34	An Empirical Comparison of DCNN libraries to implement the Vision Module of a Danger Management System. , 2017, , .		0
35	Image Patch Similarity Through a Meta-Learning Metric Based Approach. , 2019, , .		0
36	Cycle Generative Adversarial Network: Towards A Low-Cost Vegetation Index Estimation. , 2021, , .		0

#	Article	IF	Citations
37	Mosaicking Cluttered Ground Planes Based on Stereo Vision. Lecture Notes in Computer Science, 2007, , 17-24.	1.3	0