

# Boris Xavier Vintimilla Burgos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1870672/publications.pdf>

Version: 2024-02-01

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	A Novel Domain Transfer-Based Approach for Unsupervised Thermal Image Super-Resolution. Sensors, 2022, 22, 2254.	3.8	5
2	Cycle Generative Adversarial Network: Towards A Low-Cost Vegetation Index Estimation. , 2021, , .		0
3	Deep learning-based vegetation index estimation. , 2021, , 205-234.		1
4	Thermal Image Super-Resolution Challenge - PBVS 2020. , 2020, , .		12
5	Image Vegetation Index Through a Cycle Generative Adversarial Network. , 2019, , .		8
6	Image Patch Similarity Through a Meta-Learning Metric Based Approach. , 2019, , .		0
7	Thermal Image SuperResolution Through Deep Convolutional Neural Network. Lecture Notes in Computer Science, 2019, , 417-426.	1.3	23
8	Adaptive Harris Corner Detector Evaluated with Cross-Spectral Images. Advances in Intelligent Systems and Computing, 2018, , 732-744.	0.6	3
9	Deep Learning Based Single Image Dehazing. , 2018, , .		24
10	Cross-Spectral Image Dehaze through a Dense Stacked Conditional GAN Based Approach. , 2018, , .		2
11	Near InfraRed Imagery Colorization. , 2018, , .		7
12	Vegetation Index Estimation from Monospectral Images. Lecture Notes in Computer Science, 2018, , 353-362.	1.3	6
13	Learning to Colorize Infrared Images. Advances in Intelligent Systems and Computing, 2018, , 164-172.	0.6	13
14	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
15	Colorizing Infrared Images Through a Triplet Conditional DCGAN Architecture. Lecture Notes in Computer Science, 2017, , 287-297.	1.3	6
16	Infrared Image Colorization Based on a Triplet DCGAN Architecture. , 2017, , .		91
17	Cross-spectral image patch similarity using convolutional neural network. , 2017, , .		12
18	An Empirical Comparison of DCNN libraries to implement the Vision Module of a Danger Management System. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Learning image vegetation index through a conditional generative adversarial network. , 2017, , .		8
20	Wavelet-Based Visible and Infrared Image Fusion: A Comparative Study. Sensors, 2016, 16, 861.	3.8	34
21	A Fault Tolerant Perception system for autonomous vehicles. , 2016, , .		21
22	Monocular visual odometry: A cross-spectral image fusion based approach. Robotics and Autonomous Systems, 2016, 85, 26-36.	5.1	6
23	A Visible-Thermal Fusion Based Monocular Visual Odometry. Advances in Intelligent Systems and Computing, 2016, , 517-528.	0.6	22
24	Sensor Fault Detection and Diagnosis for autonomous vehicles. MATEC Web of Conferences, 2015, 30, 04003.	0.2	26
25	Towards fault tolerant perception for autonomous vehicles: Local fusion. , 2015, , .		8
26	Feature Point Descriptors: Infrared and Visible Spectra. Sensors, 2014, 14, 3690-3701.	3.8	39
27	An approach to automatic assistance in physiotherapy based on on-line movement identification. , 2012, , .		0
28	Edge Point Linking by Means of Global and Local Schemes. , 2008, , 115-125.		4
29	Cost-based closed-contour representations. Journal of Electronic Imaging, 2007, 16, 023009.	0.9	3
30	Detection of Individual Specimens in Populations Using Contour Energies. , 2007, , 575-586.		6
31	Mosaicking Cluttered Ground Planes Based on Stereo Vision. Lecture Notes in Computer Science, 2007, , 17-24.	1.3	0
32	Contour Energy Features for Recognition of Biological Specimens in Population Images. Lecture Notes in Computer Science, 2007, , 1061-1070.	1.3	1
33	Geometric and topological lossy compression of dense range images. , 2000, , .		0
34	Approximation and Processing of Intensity Images with Discontinuity-Preserving Adaptive Triangular Meshes. Lecture Notes in Computer Science, 2000, , 844-855.	1.3	11
35	Efficient approximation of gray-scale images through bounded error triangular meshes. , 0, , .		16
36	Acceleration of thresholding and labeling operations through geometric processing of gray-level images. , 0, , .		1

#	ARTICLE	IF	CITATIONS
37	Acceleration of filtering and enhancement operations through geometric processing of gray-level images. , 0, , .		13