

Erickson R Nascimento

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,449
citations

840585

11
h-index

552653

26
g-index

61
all docs

61
docs citations

61
times ranked

969
citing authors

#	ARTICLE	IF	CITATIONS
1	Underwater Depth Estimation and Image Restoration Based on Single Images. IEEE Computer Graphics and Applications, 2016, 36, 24-35.	1.0	373
2	Transmission Estimation in Underwater Single Images. , 2013, , .		349
3	STOP: Space-Time Occupancy Patterns for 3D Action Recognition from Depth Map Sequences. Lecture Notes in Computer Science, 2012, , 252-259.	1.0	181
4	On the improvement of human action recognition from depth map sequences using Space-Time Occupancy Patterns. Pattern Recognition Letters, 2014, 36, 221-227.	2.6	54
5	Sparse Spatial Coding: A novel approach for efficient and accurate object recognition. , 2012, , .		42
6	Learning to dance: A graph convolutional adversarial network to generate realistic dance motions from audio. Computers and Graphics, 2021, 94, 11-21.	1.4	35
7	Fully Convolutional Siamese Autoencoder for Change Detection in UAV Aerial Images. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1455-1459.	1.4	31
8	Stereo Based Structure Recovery of Underwater Scenes from Automatically Restored Images. , 2009, , .		29
9	BRAND: A robust appearance and depth descriptor for RGB-D images. , 2012, , .		28
10	Towards automatic diagnosis of rheumatic heart disease on echocardiographic exams through video-based deep learning. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1834-1842.	2.2	23
11	Visual-Quality-Driven Learning for Underwater Vision Enhancement. , 2018, , .		21
12	Single-shot underwater image restoration: A visual quality-aware method based on light propagation model. Journal of Visual Communication and Image Representation, 2018, 55, 363-373.	1.7	20
13	Towards Semi-autonomous Robotic Inspection and Mapping in Confined Spaces with the EspeleoRob. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 101, 1.	2.0	20
14	Fully automatic coloring of grayscale images. Image and Vision Computing, 2007, 25, 50-60.	2.7	19
15	On the development of a robust, fast and lightweight keypoint descriptor. Neurocomputing, 2013, 120, 141-155.	3.5	18
16	A Weighted Sparse Sampling and Smoothing Frame Transition Approach for Semantic Fast-Forward First-Person Videos. , 2018, , .		17
17	Sparse Spatial Coding: A Novel Approach to Visual Recognition. IEEE Transactions on Image Processing, 2014, 23, 2719-2731.	6.0	14
18	Automatic restoration of underwater monocular sequences of images. , 2015, , .		14

#	ARTICLE	IF	CITATIONS
19	Fast-forward video based on semantic extraction. , 2016, , .		13
20	Real-time monocular obstacle avoidance using Underwater Dark Channel Prior. , 2016, , .		13
21	Extending Maps with Semantic and Contextual Object Information for Robot Navigation: a Learning-Based Framework Using Visual and Depth Cues. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 99, 555-569.	2.0	13
22	Semantic Map Augmentation for Robot Navigation: A Learning Approach Based on Visual and Depth Data. , 2018, , .		11
23	A Height Estimation Approach for Terrain Following Flights from Monocular Vision. Sensors, 2016, 16, 2071.	2.1	10
24	Making a long story short: A multi-importance fast-forwarding egocentric videos with the emphasis on relevant objects. Journal of Visual Communication and Image Representation, 2018, 53, 55-64.	1.7	10
25	Automatically choosing source color images for coloring grayscale images. , 0, , .		9
26	High performance moves recognition and sequence segmentation based on key poses filtering. , 2016, , .		7
27	Generalized Optical Flow Model for Scattering Media. , 2014, , .		6
28	A 3D modeling methodology based on a concavity-aware geometric test to create 3D textured coarse models from concept art and orthographic projections. Computers and Graphics, 2018, 76, 73-83.	1.4	6
29	Towards an efficient 3D model estimation methodology for aerial and ground images. Machine Vision and Applications, 2017, 28, 937-952.	1.7	5
30	KVD: Scale invariant keypoints by combining visual and depth data. Pattern Recognition Letters, 2017, 86, 83-89.	2.6	5
31	A Robust Indoor Scene Recognition Method Based on Sparse Representation. Lecture Notes in Computer Science, 2018, , 408-415.	1.0	5
32	A Shape-Aware Retargeting Approach to Transfer Human Motion and Appearance in Monocular Videos. International Journal of Computer Vision, 2021, 129, 2057-2075.	10.9	5
33	Cooperative digital magneticâ€elevation maps by small autonomous aerial robots. Journal of Field Robotics, 2019, 36, 1378-1398.	3.2	4
34	A Sparse Sampling-Based Framework for Semantic Fast-Forward of First-Person Videos. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1438-1444.	9.7	4
35	On the Development of an Acoustic-Driven Method to Improve Driverâ€™s Comfort Based on Deep Reinforcement Learning. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2923-2932.	4.7	4
36	GEOBIT: A Geodesic-Based Binary Descriptor Invariant to Non-Rigid Deformations for RGB-D Images. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
37	Change detection based on features invariant to monotonic transforms and spatial constrained matching. , 2014, , .		3
38	Socially Acceptable Robot Navigation in the Presence of Humans. , 2015, , .		3
39	On the Evaluation of Force Feedback Augmented Teleoperation of Excavator-like Mobile Manipulators. , 2020, , .		3
40	A Non-parametric Approach to Detect Changes in Aerial Images. Lecture Notes in Computer Science, 2015, , 116-124.	1.0	3
41	Learning geodesic-aware local features from RGB-D images. Computer Vision and Image Understanding, 2022, 219, 103409.	3.0	3
42	Appearance and Geometry Fusion for Enhanced Dense 3D Alignment. , 2012, , .		2
43	Terrain Classification from UAV Flights Using Monocular Vision. , 2015, , .		2
44	Do As I Do: Transferring Human Motion and Appearance between Monocular Videos with Spatial and Temporal Constraints. , 2020, , .		2
45	Visual and Inertial Data Fusion for Globally Consistent Point Cloud Registration. , 2013, , .		1
46	Change detection based on features invariant to monotonic transforms and spatially constrained matching. Journal of Electronic Imaging, 2016, 25, 013001.	0.5	1
47	A Two-Step Learning Method for Detecting Landmarks on Faces from Different Domains. , 2018, , .		1
48	A Scale Invariant Keypoint Detector Based on Visual and Geometrical Cues. Lecture Notes in Computer Science, 2015, , 341-349.	1.0	1
49	Anytime Fault-tolerant Adaptive Routing for Multi-Robot Teams. , 2021, , .		1
50	Creating and Reenacting Controllable 3D Humans with Differentiable Rendering. , 2022, , .		1
51	Detecting Latent Variables of Interest in Geo-Localized Environments Using an Aerial Robot. , 2015, , .		0
52	Simultaneously Estimation of Super-Resolution Images and Depth Maps from Low Resolution Sensors. , 2015, , .		0
53	Complexity-Aware Assignment of Latent Values in Discriminative Models for Accurate Gesture Recognition. , 2016, , .		0
54	Prototypicality Effects in Global Semantic Description of Objects. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
55	On Modeling the Effects of Auditory Annoyance on Driving Style and Passenger Comfort. , 2019, , .		0
56	Fast-Forward Methods for Egocentric Videos: A Review. , 2019, , .		0
57	Synthesizing Realistic Human Dance Motions Conditioned by Musical Data using Graph Convolutional Networks. , 0, , .		0
58	Introducing the structural bases of typicality effects in deep learning. Image and Vision Computing, 2021, 113, 104249.	2.7	0
59	Connecting real world and "digital twins" with "multivis" system. Technical Papers ... Rio Oil & Gas, 2020, 20, 391-392.	0.0	0
60	Musical Hyperlapse: A Multimodal Approach to Accelerate First-Person Videos. , 2021, , .		0