

Vicente Morell

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

359
citations

1039880

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h-index

839398

18
g-index

29
all docs

29
docs citations

29
times ranked

380
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometric 3D point cloud compression. Pattern Recognition Letters, 2014, 50, 55-62.	2.6	58
2	ImageCLEF 2014: Overview and Analysis of the Results. Lecture Notes in Computer Science, 2014, , 192-211.	1.0	44
3	A Comparative Study of Registration Methods for RGB-D Video of Static Scenes. Sensors, 2014, 14, 8547-8576.	2.1	32
4	Point cloud data filtering and downsampling using growing neural gas. , 2013, , .		27
5	Autonomous Growing Neural Gas for applications with time constraint: Optimal parameter estimation. Neural Networks, 2012, 32, 196-208.	3.3	25
6	ViDRILO: The Visual and Depth Robot Indoor Localization with Objects information dataset. International Journal of Robotics Research, 2015, 34, 1681-1687.	5.8	25
7	Human Pose Detection for Robotic-Assisted and Rehabilitation Environments. Applied Sciences (Switzerland), 2021, 11, 4183.	1.3	20
8	Semantic localization in the PCL library. Robotics and Autonomous Systems, 2016, 75, 641-648.	3.0	19
9	3D Surface Reconstruction of Noisy Point Clouds Using Growing Neural Gas: 3D Object/Scene Reconstruction. Neural Processing Letters, 2016, 43, 401-423.	2.0	19
10	Efficient tool path computation using multi-core GPUs. Computers in Industry, 2013, 64, 50-56.	5.7	12
11	GPGPU implementation of growing neural gas: Application to 3D scene reconstruction. Journal of Parallel and Distributed Computing, 2012, 72, 1361-1372.	2.7	9
12	ARMIA: A Sensorized Arm Wearable for Motor Rehabilitation. Biosensors, 2022, 12, 469.	2.3	7
13	Fast Image Representation with GPU-Based Growing Neural Gas. Lecture Notes in Computer Science, 2011, , 58-65.	1.0	6
14	Parallel Computational Intelligence-Based Multi-Camera Surveillance System. Journal of Sensor and Actuator Networks, 2014, 3, 95-112.	2.3	6
15	Real-time 3D semi-local surface patch extraction using GPGPU. Journal of Real-Time Image Processing, 2015, 10, 647-666.	2.2	6
16	Fast Autonomous Growing Neural Gas. , 2011, , .		5
17	Processing point cloud sequences with Growing Neural Gas. , 2015, , .		5
18	Non-rigid point set registration using color and data downsampling. , 2015, , .		5

#	ARTICLE	IF	CITATIONS
19	3D model reconstruction using neural gas accelerated on GPU. Applied Soft Computing Journal, 2015, 32, 87-100.	4.1	5
20	3DCOMET: 3D compression methods test dataset. Robotics and Autonomous Systems, 2016, 75, 550-557.	3.0	5
21	Object recognition in noisy RGB-D data using GNG. Pattern Analysis and Applications, 2017, 20, 1061-1076.	3.1	5
22	Bioinspired point cloud representation: 3D object tracking. Neural Computing and Applications, 2018, 29, 663-672.	3.2	5
23	Improving 3D Keypoint Detection from Noisy Data Using Growing Neural Gas. Lecture Notes in Computer Science, 2013, , 480-487.	1.0	5
24	3D Maps Representation Using GNG. Mathematical Problems in Engineering, 2014, 2014, 1-11.	0.6	2
25	A Comparative Study of Downsampling Techniques for Non-rigid Point Set Registration Using Color. Lecture Notes in Computer Science, 2015, , 281-290.	1.0	2
26	Multi-GPU based camera network system keeps privacy using growing neural gas. , 2012, , .		0
27	A Review of Registration Methods on Mobile Robots. , 2013, , 140-153.		0
28	Computer Vision Applications of Self-Organizing Neural Networks. , 2013, , 129-138.		0
29	Optimized Representation of 3D Sequences Using Neural Networks. Lecture Notes in Computer Science, 2015, , 251-260.	1.0	0