

Marcelo Saval-Calvo

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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37
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37
docs citations

37
times ranked

345
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comparative Study of Registration Methods for RGB-D Video of Static Scenes. Sensors, 2014, 14, 8547-8576.	2.1	32
2	A Review of the Bayesian Occupancy Filter. Sensors, 2017, 17, 344.	2.1	26
3	A Quantitative Comparison of Calibration Methods for RGB-D Sensors Using Different Technologies. Sensors, 2017, 17, 243.	2.1	22
4	When Deep Learning Meets Data Alignment: A Review on Deep Registration Networks (DRNs). Applied Sciences (Switzerland), 2020, 10, 7524.	1.3	22
5	A Novel Prediction Method for Early Recognition of Global Human Behaviour in Image Sequences. Neural Processing Letters, 2016, 43, 363-387.	2.0	21
6	3D non-rigid registration using color: Color Coherent Point Drift. Computer Vision and Image Understanding, 2018, 169, 119-135.	3.0	19
7	Human behaviour recognition based on trajectory analysis using neural networks. , 2013, , .		18
8	Three-dimensional planar model estimation using multi-constraint knowledge based on k-means and RANSAC. Applied Soft Computing Journal, 2015, 34, 572-586.	4.1	17
9	A predictive model for recognizing human behaviour based on trajectory representation. , 2014, , .		16
10	$\hat{1}/4$ -MAR: Multiplane 3D Marker based Registration for depth-sensing cameras. Expert Systems With Applications, 2015, 42, 9353-9365.	4.4	14
11	Group activity description and recognition based on trajectory analysis and neural networks. , 2016, , .		13
12	Evaluation of sampling method effects in 3D non-rigid registration. Neural Computing and Applications, 2017, 28, 953-967.	3.2	11
13	Hybrid Multi-camera Visual Servoing to Moving Target. , 2018, , .		11
14	Multi-sensor 3D object dataset for object recognition with full pose estimation. Neural Computing and Applications, 2017, 28, 941-952.	3.2	9
15	Self-Organizing Activity Description Map to represent and classify human behaviour. , 2015, , .		8
16	A Short Review of Deep Learning Methods for Understanding Group and Crowd Activities. , 2018, , .		8
17	RGB-D-Based Framework to Acquire, Visualize and Measure the Human Body for Dietetic Treatments. Sensors, 2020, 20, 3690.	2.1	8
18	Non-rigid point set registration using color and data downsampling. , 2015, , .		5

#	ARTICLE	IF	CITATIONS
19	Constrained self-organizing feature map to preserve feature extraction topology. <i>Neural Computing and Applications</i> , 2017, 28, 439-459.	3.2	5
20	A Novel Active Imaging Model to Design Visual Systems: A Case of Inspection System for Specular Surfaces. <i>Sensors</i> , 2017, 17, 1466.	2.1	4
21	Deep Learning Architecture for Group Activity Recognition using Description of Local Motions. , 2020, , .		4
22	A Compilation of Methods and Datasets for Group and Crowd Action Recognition. <i>International Journal of Computer Vision and Image Processing</i> , 2017, 7, 40-53.	0.3	4
23	Best Viewpoint Tracking for Camera Mounted on Robotic Arm with Dynamic Obstacles. , 2017, , .		2
24	3D Technologies to Acquire and Visualize the Human Body for Improving Dietetic Treatment. <i>Proceedings (mdpi)</i> , 2019, 31, .	0.2	2
25	Home Technologies, Smart Systems and eHealth. , 2016, , 179-200.		2
26	3D Body Registration from RGB-D Data with Unconstrained Movements and Single Sensor. <i>Lecture Notes in Computer Science</i> , 2017, , 317-329.	1.0	2
27	A Survey of 3D Rigid Registration Methods for RGB-D Cameras. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2018, , 74-98.	0.2	2
28	A Comparative Study of Downsampling Techniques for Non-rigid Point Set Registration Using Color. <i>Lecture Notes in Computer Science</i> , 2015, , 281-290.	1.0	2
29	Iterative multilinear optimization for planar model fitting under geometric constraints. <i>PeerJ Computer Science</i> , 2021, 7, e691.	2.7	1
30	Comparative Analysis of Temporal Segmentation Methods of Video Sequences. , 2013, , 43-58.		1
31	An Iterative Method for 3D Body Registration Using a Single RGB-D Sensor. <i>International Journal of Computer Vision and Image Processing</i> , 2017, 7, 26-39.	0.3	1
32	Local-Global based Deep Registration Neural Network for Rigid Alignment. , 2021, , .		0
33	A Compilation of Methods and Datasets for Group and Crowd Action Recognition. , 2018, , 2025-2041.		0
34	A Deep Learning Architecture for Recognizing Abnormal Activities of Groups Using Context and Motion Information. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 760-769.	0.5	0