

# Marcelo Saval-Calvo

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

319  
citations

1039880

9  
h-index

996849

15  
g-index

37  
all docs

37  
docs citations

37  
times ranked

345  
citing authors

#	ARTICLE	IF	CITATIONS
1	Local-Global based Deep Registration Neural Network for Rigid Alignment. , 2021, , .		0
2	Iterative multilinear optimization for planar model fitting under geometric constraints. PeerJ Computer Science, 2021, 7, e691.	2.7	1
3	A Deep Learning Architecture for Recognizing Abnormal Activities of Groups Using Context and Motion Information. Advances in Intelligent Systems and Computing, 2021, , 760-769.	0.5	0
4	RGB-D-Based Framework to Acquire, Visualize and Measure the Human Body for Dietetic Treatments. Sensors, 2020, 20, 3690.	2.1	8
5	Deep Learning Architecture for Group Activity Recognition using Description of Local Motions. , 2020, , .		4
6	When Deep Learning Meets Data Alignment: A Review on Deep Registration Networks (DRNs). Applied Sciences (Switzerland), 2020, 10, 7524.	1.3	22
7	3D Technologies to Acquire and Visualize the Human Body for Improving Dietetic Treatment. Proceedings (mdpi), 2019, 31, .	0.2	2
8	3D non-rigid registration using color: Color Coherent Point Drift. Computer Vision and Image Understanding, 2018, 169, 119-135.	3.0	19
9	A Short Review of Deep Learning Methods for Understanding Group and Crowd Activities. , 2018, , .		8
10	Hybrid Multi-camera Visual Servoing to Moving Target. , 2018, , .		11
11	A Survey of 3D Rigid Registration Methods for RGB-D Cameras. Advances in Computer and Electrical Engineering Book Series, 2018, , 74-98.	0.2	2
12	A Compilation of Methods and Datasets for Group and Crowd Action Recognition. , 2018, , 2025-2041.		0
13	Evaluation of sampling method effects in 3D non-rigid registration. Neural Computing and Applications, 2017, 28, 953-967.	3.2	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	Constrained self-organizing feature map to preserve feature extraction topology. Neural Computing and Applications, 2017, 28, 439-459.	3.2	5
16	A Review of the Bayesian Occupancy Filter. Sensors, 2017, 17, 344.	2.1	26
17	A Novel Active Imaging Model to Design Visual Systems: A Case of Inspection System for Specular Surfaces. Sensors, 2017, 17, 1466.	2.1	4
18	A Quantitative Comparison of Calibration Methods for RGB-D Sensors Using Different Technologies. Sensors, 2017, 17, 243.	2.1	22

#	ARTICLE	IF	CITATIONS
19	Best Viewpoint Tracking for Camera Mounted on Robotic Arm with Dynamic Obstacles. , 2017, , .		2
20	3D Body Registration from RGB-D Data with Unconstrained Movements and Single Sensor. Lecture Notes in Computer Science, 2017, , 317-329.	1.0	2
21	A Compilation of Methods and Datasets for Group and Crowd Action Recognition. International Journal of Computer Vision and Image Processing, 2017, 7, 40-53.	0.3	4
22	An Iterative Method for 3D Body Registration Using a Single RGB-D Sensor. International Journal of Computer Vision and Image Processing, 2017, 7, 26-39.	0.3	1
23	Group activity description and recognition based on trajectory analysis and neural networks. , 2016, , .		13
24	A Novel Prediction Method for Early Recognition of Global Human Behaviour in Image Sequences. Neural Processing Letters, 2016, 43, 363-387.	2.0	21
25	Home Technologies, Smart Systems and eHealth. , 2016, , 179-200.		2
26	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
27	Self-Organizing Activity Description Map to represent and classify human behaviour. , 2015, , .		8
28	Non-rigid point set registration using color and data downsampling. , 2015, , .		5
29	$\hat{1}/4$ -MAR: Multiplane 3D Marker based Registration for depth-sensing cameras. Expert Systems With Applications, 2015, 42, 9353-9365.	4.4	14
30	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
31	A Comparative Study of Registration Methods for RGB-D Video of Static Scenes. Sensors, 2014, 14, 8547-8576.	2.1	32
32	A predictive model for recognizing human behaviour based on trajectory representation. , 2014, , .		16
33	Human behaviour recognition based on trajectory analysis using neural networks. , 2013, , .		18
34	Comparative Analysis of Temporal Segmentation Methods of Video Sequences. , 2013, , 43-58.		1