Andres Fuster-Guillo

List of Publications by Year
in descending order

44 papers	444 citations	840119 11 h-index	839053 18 g-index
46 all docs	46 docs citations	46 times ranked	412 citing authors

#	Article	IF	Citations
1	A collaborative working model for enhancing the learning process of science & engineering students. Computers in Human Behavior, 2020, 103, 140-150.	5.1	59
2	Evaluating Impact on Motivation and Academic Performance of a Game-Based Learning Experience Using Kahoot. Frontiers in Psychology, 2019, 10, 2843.	1.1	48
3	A Comparative Study of Registration Methods for RGB-D Video of Static Scenes. Sensors, 2014, 14, 8547-8576.	2.1	32
4	A Quantitative Comparison of Calibration Methods for RGB-D Sensors Using Different Technologies. Sensors, 2017, 17, 243.	2.1	22
5	When Deep Learning Meets Data Alignment: A Review on Deep Registration Networks (DRNs). Applied Sciences (Switzerland), 2020, 10, 7524.	1.3	22
6	A Novel Prediction Method for Early Recognition of Global Human Behaviour in Image Sequences. Neural Processing Letters, 2016, 43, 363-387.	2.0	21
7	3D non-rigid registration using color: Color Coherent Point Drift. Computer Vision and Image Understanding, 2018, 169, 119-135.	3.0	19
8	Human behaviour recognition based on trajectory analysis using neural networks. , 2013, , .		18
9	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
10	A predictive model for recognizing human behaviour based on trajectory representation. , 2014, , .		16
11	The university as an open data ecosystem. International Journal of Design and Nature and Ecodynamics, 2016, 11, 250-257.	0.3	15
12	μ-MAR: Multiplane 3D Marker based Registration for depth-sensing cameras. Expert Systems With Applications, 2015, 42, 9353-9365.	4.4	14
13	Group activity description and recognition based on trajectory analysis and neural networks. , 2016, , .		13
14	Evaluation of sampling method effects in 3D non-rigid registration. Neural Computing and Applications, 2017, 28, 953-967.	3.2	11
15	The DeepFish computer vision dataset for fish instance segmentation, classification, and size estimation. Scientific Data, 2022, 9, .	2.4	11
16	Practical Method of Improving the Teamwork of Engineering Students Using Team Contracts to Minimize Conflict Situations. IEEE Access, 2019, 7, 65083-65092.	2.6	10
17	Use of mathematical morphology in real‐time path planning. Kybernetes, 2002, 31, 115-123.	1.2	9
18	Self-Organizing Activity Description Map to represent and classify human behaviour. , 2015, , .		8

#	Article	IF	Citations
19	RGB-D-Based Framework to Acquire, Visualize and Measure the Human Body for Dietetic Treatments. Sensors, 2020, 20, 3690.	2.1	8
20	Systematic Mapping of Open Data Studies: Classification and Trends From a Technological Perspective. IEEE Access, 2021, 9, 12968-12988.	2.6	8
21	A Non-Invasive Approach for Total Cholesterol Level Prediction Using Machine Learning. IEEE Access, 2022, 10, 58566-58577.	2.6	8
22	Adjustable compression method for still JPEG images. Signal Processing: Image Communication, 2015, 32, 16-32.	1.8	7
23	Non-rigid point set registration using color and data downsampling. , 2015, , .		5
24	Constrained self-organizing feature map to preserve feature extraction topology. Neural Computing and Applications, 2017, 28, 439-459.	3.2	5
25	A Novel Active Imaging Model to Design Visual Systems: A Case of Inspection System for Specular Surfaces. Sensors, 2017, 17, 1466.	2.1	4
26	Deep Learning Architecture for Group Activity Recognition using Description of Local Motions. , 2020, , .		4
27	IA-CPS: Intelligent architecture for cyber-physical systems management. Journal of Computational Science, 2021, 53, 101409.	1.5	3
28	Image labelling in real conditions. Kybernetes, 2005, 34, 1587-1597.	1.2	2
29	Automatic generation of image acquisition conditions for the quality control of specular surfaces. , 2007, , .		2
30	3D Technologies to Acquire and Visualize the Human Body for Improving Dietetic Treatment. Proceedings (mdpi), 2019, 31, .	0.2	2
31	3D Body Registration from RGB-D Data with Unconstrained Movements and Single Sensor. Lecture Notes in Computer Science, 2017, , 317-329.	1.0	2
32	Simulation of Automated Visual Inspection Systems for Specular Surfaces Quality Control. Lecture Notes in Computer Science, 2007, , 749-762.	1.0	2
33	Developing a data map for opening public sector information. International Journal of Design and Nature and Ecodynamics, 2016, 11, 370-375.	0.3	2
34	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
35	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
36	Visual Input Amplification for Inspecting Specular Surfaces. , 2006, , .		1

#	Article	IF	Citations
37	Iterative multilinear optimization for planar model fitting under geometric constraints. PeerJ Computer Science, 2021, 7, e691.	2.7	1
38	Comparative Analysis of Temporal Segmentation Methods of Video Sequences. , 2013, , 43-58.		1
39	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
40	Defining a Master Data Management Approach for Increasing Open Data Understandability. Lecture Notes in Computer Science, 2020, , 169-178.	1.0	1
41	Multidimensional Measurement of Virtual Human Bodies Acquired with Depth Sensors. Advances in Intelligent Systems and Computing, 2021, , 721-730.	0.5	1
42	Open Data Selection and Publication: An Application for Universities. , 2019, , .		0
43	Local-Global based Deep Registration Neural Network for Rigid Alignment. , 2021, , .		0
44	A Framework for Simulating Home Control Networks. , 0, , .		0