

Pablo Gil

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

817
citations

686830

13
h-index

552369

26
g-index

64
all docs

64
docs citations

64
times ranked

740
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection and Location of Domestic Waste for Planning Its Collection Using an Autonomous Robot. , 2022, , .		2
2	Editorial: Robotic Handling of Deformable Objects. IEEE Robotics and Automation Letters, 2022, 7, 8257-8259.	3.3	0
3	Generation of Tactile Data From 3D Vision and Target Robotic Grasps. IEEE Transactions on Haptics, 2021, 14, 57-67.	1.8	11
4	Towards footwear manufacturing 4.0: shoe sole robotic grasping in assembling operations. International Journal of Advanced Manufacturing Technology, 2021, 114, 811-827.	1.5	7
5	Touch Detection with Low-cost Visual-based Sensor. , 2021, , .		3
6	Robotic workcell for sole grasping in footwear manufacturing. , 2020, , .		3
7	Clasificaci3n de objetos usando percepci3n bimodal de palpaci3n 3nica en acciones de agarre rob3tico. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2020, 17, 44.	0.6	5
8	Geometrically Finding Best Grasping Points on Single Novel 3D Point Cloud. Lecture Notes in Electrical Engineering, 2020, , 497-512.	0.3	0
9	Precise Ship Location With CNN Filter Selection From Optical Aerial Images. IEEE Access, 2019, 7, 96567-96582.	2.6	7
10	Semantic Segmentation of SLAR Imagery with Convolutional LSTM Selectional AutoEncoders. Remote Sensing, 2019, 11, 1402.	1.8	18
11	Fast geometry-based computation of grasping points on three-dimensional point clouds. International Journal of Advanced Robotic Systems, 2019, 16, 172988141983184.	1.3	30
12	Learning Spatio Temporal Tactile Features with a ConvLSTM for the Direction Of Slip Detection. Sensors, 2019, 19, 523.	2.1	53
13	Visual Completion Of 3D Object Shapes From A Single View For Robotic Tasks. , 2019, , .		2
14	TactileGCN: A Graph Convolutional Network for Predicting Grasp Stability with Tactile Sensors. , 2019, , .		29
15	Tactile-Driven Grasp Stability and Slip Prediction. Robotics, 2019, 8, 85.	2.1	12
16	Detection of bodies in maritime rescue operations using unmanned aerial vehicles with multispectral cameras. Journal of Field Robotics, 2019, 36, 782-796.	3.2	28
17	3DCNN Performance in Hand Gesture Recognition Applied to Robot Arm Interaction. , 2019, , .		3
18	Two-Stage Convolutional Neural Network for Ship and Spill Detection Using SLAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5217-5230.	2.7	57

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19	A Vision-Driven Collaborative Robotic Grasping System Tele-Operated by Surface Electromyography. Sensors, 2018, 18, 2366.	2.1	7
20	Automatic Ship Classification from Optical Aerial Images with Convolutional Neural Networks. Remote Sensing, 2018, 10, 511.	1.8	103
21	Oil Spill Detection in Terma-Side-Looking Airborne Radar Images Using Image Features and Region Segmentation. Sensors, 2018, 18, 151.	2.1	9
22	Segmentation of Oil Spills on Side-Looking Airborne Radar Imagery with Autoencoders. Sensors, 2018, 18, 797.	2.1	27
23	Short Project-Based Learning with MATLAB Applications to Support the Learning of Video-Image Processing. Journal of Science Education and Technology, 2017, 26, 508-518.	2.4	14
24	Oil Slicks Detection in SLAR Images with Autoencoders. Proceedings (mdpi), 2017, 1, 820.	0.2	2
25	Candidate Oil Spill Detection in SLAR Data - A Recurrent Neural Network-based Approach. , 2017, , .		3
26	Using Geometry to Detect Grasping Points on 3D Unknown Point Cloud. , 2017, , .		14
27	Oil Spill Detection using Segmentation based Approaches. , 2017, , .		0
28	Robotic Perception of the Sight and Touch to Interact with Environments. Journal of Sensors, 2016, 2016, 1-2.	0.6	2
29	3D Visual Data-Driven Spatiotemporal Deformations for Non-Rigid Object Grasping Using Robot Hands. Sensors, 2016, 16, 640.	2.1	9
30	Computation of Curvature Skeleton to Measure Deformations in Surfaces. Lecture Notes in Electrical Engineering, 2016, , 197-207.	0.3	1
31	An approach for SLAR images denoising based on removing regions with low visual quality for oil spill detection. , 2016, , .		2
32	Informatics in Control, Automation and Robotics 12th International Conference, ICINCO 2015 Colmar, France, July 21-23, 2015 Revised Selected Papers. Lecture Notes in Electrical Engineering, 2016, , .	0.3	0
33	Visual perception for the 3D recognition of geometric pieces in robotic manipulation. International Journal of Advanced Manufacturing Technology, 2016, 83, 1999-2013.	1.5	17
34	TEACHING IMAGE AND VIDEO PROCESSING WITH A PRACTICAL CASES-BASED METHODOLOGY AT THE UNIVERSITY OF ALICANTE. , 2016, , .		0
35	Control and Guidance of Low-Cost Robots via Gesture Perception for Monitoring Activities in the Home. Sensors, 2015, 15, 31268-31292.	2.1	8
36	Computer networks virtualization with GNS3: Evaluating a solution to optimize resources and achieve a distance learning. , 2014, , .		12

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37	An improvement of a SLAM RGB-D method with movement prediction derived from a study of visual features. <i>Advanced Robotics</i> , 2014, 28, 1231-1242.	1.1	1
38	Active visual features based on events to guide robot manipulators in tracking tasks. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014, 47, 11890-11897.	0.4	0
39	A Performance Evaluation of Surface Normals-based Descriptors for Recognition of Objects Using CAD-Models. , 2014, , .		6
40	3D Visual Sensing of the Human Hand for the Remote Operation of a Robotic Hand. <i>International Journal of Advanced Robotic Systems</i> , 2014, 11, 26.	1.3	7
41	Event-Based Visual Servoing with Featuresâ€™ Prediction. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 679-691.	0.5	1
42	Experiences with free and open courses using on-line multimedia resources. , 2012, , .		0
43	Open Educational Resources: The Role of OCW, Blogs and Videos in Computer Networks Classroom. <i>International Journal of Emerging Technologies in Learning</i> , 2012, 7, 4.	0.8	11
44	An Experience on Mechatronics Teaching on Undergraduate Students by Means of The Skybot Platform: from Classroom to Robot Competition. <i>International Journal of Robots Education and Art</i> , 2012, 2, 1-15.	1.6	2
45	Constructive learning for networks courses based on compact simulations and SCORM. , 2011, , .		3
46	EJS+EjsRL: An interactive tool for industrial robots simulation, <i>Computer Vision and remote operation. Robotics and Autonomous Systems</i> , 2011, 59, 389-401.	3.0	23
47	Computer Networks E-learning Based on Interactive Simulations and SCORM. <i>International Journal of Online and Biomedical Engineering</i> , 2011, 7, 15.	0.9	7
48	Visual Control of Robots Using Range Images. <i>Sensors</i> , 2010, 10, 7303-7322.	2.1	8
49	Analysis and Adaptation of Integration Time in PMD Camera for Visual Servoing. , 2010, , .		8
50	A cooperative robotic system based on multiple sensors to construct metallic structures. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 45, 616-630.	1.5	6
51	Improving detection of surface discontinuities in visualâ€™force control systems. <i>Image and Vision Computing</i> , 2008, 26, 1435-1447.	2.7	6
52	Intelligent Robotic Multisensorial System to Build Metallic Structures. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008, 41, 133-138.	0.4	0
53	Flexible multi-sensorial system for automatic disassembly using cooperative robots. <i>International Journal of Computer Integrated Manufacturing</i> , 2007, 20, 757-772.	2.9	58
54	INCLUDING THE VIRTUAL LABORATORY CONCEPT IN AN ON-LINE COLLABORATIVE ENVIRONMENT. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006, 39, 571-576.	0.4	0

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55	Detection of partial occlusions of assembled components to simplify the disassembly tasks. International Journal of Advanced Manufacturing Technology, 2006, 30, 530-539.	1.5	11
56	Visual - Force Control and Structured Light Fusion to Improve Recognition of Discontinuities in Surfaces. , 2006, , .		2
57	A Comparative Study of Highlights Detection and Elimination by Color Morphology and Polar Color Models. Lecture Notes in Computer Science, 2005, , 295-302.	1.0	3
58	Gaussian noise elimination in colour images by vector-connected filters. , 2004, , .		7
59	Virtual disassembly of products based on geometric models. Computers in Industry, 2004, 55, 1-14.	5.7	57
60	Automatic PC disassembly for component recovery. International Journal of Advanced Manufacturing Technology, 2004, 23, 39-46.	1.5	84
61	Static Scheduling with Interruption Costs for Computer Vision Applications. Lecture Notes in Computer Science, 2003, , 509-522.	1.0	0
62	2-D VISUAL SERVOING WITH INTEGRATION OF MULTIPLE PREDICTIONS OF MOVEMENT BASED ON KALMAN FILTER. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 25-29.	0.4	2