

# Pablo Gil

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2054051/publications.pdf>

Version: 2024-02-01

62

papers

817

citations

687363

13

h-index

552781

26

g-index

64

all docs

64

docs citations

64

times ranked

740

citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic Ship Classification from Optical Aerial Images with Convolutional Neural Networks. Remote Sensing, 2018, 10, 511.	4.0	103
2	Automatic PC disassembly for component recovery. International Journal of Advanced Manufacturing Technology, 2004, 23, 39-46.	3.0	84
3	Flexible multi-sensorial system for automatic disassembly using cooperative robots. International Journal of Computer Integrated Manufacturing, 2007, 20, 757-772.	4.6	58
4	Virtual disassembly of products based on geometric models. Computers in Industry, 2004, 55, 1-14.	9.9	57
5	Two-Stage Convolutional Neural Network for Ship and Spill Detection Using SLAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5217-5230.	6.3	57
6	Learning Spatio Temporal Tactile Features with a ConvLSTM for the Direction Of Slip Detection. Sensors, 2019, 19, 523.	3.8	53
7	Fast geometry-based computation of grasping points on three-dimensional point clouds. International Journal of Advanced Robotic Systems, 2019, 16, 172988141983184.	2.1	30
8	TactileGCN: A Graph Convolutional Network for Predicting Grasp Stability with Tactile Sensors. , 2019, , .		29
9	Detection of bodies in maritime rescue operations using unmanned aerial vehicles with multispectral cameras. Journal of Field Robotics, 2019, 36, 782-796.	6.0	28
10	Segmentation of Oil Spills on Side-Looking Airborne Radar Imagery with Autoencoders. Sensors, 2018, 18, 797.	3.8	27
11	EJS+EjsRL: An interactive tool for industrial robots simulation, Computer Vision and remote operation. Robotics and Autonomous Systems, 2011, 59, 389-401.	5.1	23
12	Semantic Segmentation of SLAR Imagery with Convolutional LSTM Selectional AutoEncoders. Remote Sensing, 2019, 11, 1402.	4.0	18
13	Visual perception for the 3D recognition of geometric pieces in robotic manipulation. International Journal of Advanced Manufacturing Technology, 2016, 83, 1999-2013.	3.0	17
14	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.	3.9	14
15	Using Geometry to Detect Grasping Points on 3D Unknown Point Cloud. , 2017, , .		14
16	Computer networks virtualization with GNS3: Evaluating a solution to optimize resources and achieve a distance learning. , 2014, , .		12
17	Tactile-Driven Grasp Stability and Slip Prediction. Robotics, 2019, 8, 85.	3.5	12
18	Detection of partial occlusions of assembled components to simplify the disassembly tasks. International Journal of Advanced Manufacturing Technology, 2006, 30, 530-539.	3.0	11

#	ARTICLE	IF	CITATIONS
19	Generation of Tactile Data From 3D Vision and Target Robotic Grasps. IEEE Transactions on Haptics, 2021, 14, 57-67.	2.7	11
20	Open Educational Resources: The Role of OCW, Blogs and Videos in Computer Networks Classroom. International Journal of Emerging Technologies in Learning, 2012, 7, 4.	1.3	11
21	3D Visual Data-Driven Spatiotemporal Deformations for Non-Rigid Object Grasping Using Robot Hands. Sensors, 2016, 16, 640.	3.8	9
22	Oil Spill Detection in Terra-Side-Looking Airborne Radar Images Using Image Features and Region Segmentation. Sensors, 2018, 18, 151.	3.8	9
23	Visual Control of Robots Using Range Images. Sensors, 2010, 10, 7303-7322.	3.8	8
24	Analysis and Adaptation of Integration Time in PMD Camera for Visual Servoing. , 2010, , .		8
25	Control and Guidance of Low-Cost Robots via Gesture Perception for Monitoring Activities in the Home. Sensors, 2015, 15, 31268-31292.	3.8	8
26	Gaussian noise elimination in colour images by vector-connected filters. , 2004, , .		7
27	3D Visual Sensing of the Human Hand for the Remote Operation of a Robotic Hand. International Journal of Advanced Robotic Systems, 2014, 11, 26.	2.1	7
28	A Vision-Driven Collaborative Robotic Grasping System Tele-Operated by Surface Electromyography. Sensors, 2018, 18, 2366.	3.8	7
29	Precise Ship Location With CNN Filter Selection From Optical Aerial Images. IEEE Access, 2019, 7, 96567-96582.	4.2	7
30	Towards footwear manufacturing 4.0: shoe sole robotic grasping in assembling operations. International Journal of Advanced Manufacturing Technology, 2021, 114, 811-827.	3.0	7
31	Computer Networks E-learning Based on Interactive Simulations and SCORM. International Journal of Online and Biomedical Engineering, 2011, 7, 15.	1.4	7
32	Improving detection of surface discontinuities in visualâ€‘force control systems. Image and Vision Computing, 2008, 26, 1435-1447.	4.5	6
33	A cooperative robotic system based on multiple sensors to construct metallic structures. International Journal of Advanced Manufacturing Technology, 2009, 45, 616-630.	3.0	6
34	A Performance Evaluation of Surface Normals-based Descriptors for Recognition of Objects Using CAD-Models. , 2014, , .		6
35	Clasificaci3n de objetos usando percepci3n bimodal de palpaci3n 2nica en acciones de agarre rob3tico. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2020, 17, 44.	1.0	5
36	A Comparative Study of Highlights Detection and Elimination by Color Morphology and Polar Color Models. Lecture Notes in Computer Science, 2005, , 295-302.	1.3	3

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37	Constructive learning for networks courses based on compact simulations and SCORM. , 2011, , .		3
38	Robotic workcell for sole grasping in footwear manufacturing. , 2020, , .		3
39	Candidate Oil Spill Detection in SLAR Data - A Recurrent Neural Network-based Approach. , 2017, , .		3
40	3DCNN Performance in Hand Gesture Recognition Applied to Robot Arm Interaction. , 2019, , .		3
41	Touch Detection with Low-cost Visual-based Sensor. , 2021, , .		3
42	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
43	Visual - Force Control and Structured Light Fusion to Improve Recognition of Discontinuities in Surfaces. , 2006, , .		2
44	Robotic Perception of the Sight and Touch to Interact with Environments. Journal of Sensors, 2016, 2016, 1-2.	1.1	2
45	An approach for SLAR images denoising based on removing regions with low visual quality for oil spill detection. , 2016, , .		2
46	Oil Slicks Detection in SLAR Images with Autoencoders. Proceedings (mdpi), 2017, 1, 820.	0.2	2
47	Visual Completion Of 3D Object Shapes From A Single View For Robotic Tasks. , 2019, , .		2
48	An Experience on Mechatronics Teaching on Undergraduate Students by Means of The Skybot Platform: from Classroom to Robot Competition. International Journal of Robots Education and Art, 2012, 2, 1-15.	1.6	2
49	Detection and Location of Domestic Waste for Planning Its Collection Using an Autonomous Robot. , 2022, , .		2
50	An improvement of a SLAM RGB-D method with movement prediction derived from a study of visual features. Advanced Robotics, 2014, 28, 1231-1242.	1.8	1
51	Computation of Curvature Skeleton to Measure Deformations in Surfaces. Lecture Notes in Electrical Engineering, 2016, , 197-207.	0.4	1
52	Event-Based Visual Servoing with Featuresâ€™ Prediction. Advances in Intelligent Systems and Computing, 2014, , 679-691.	0.6	1
53	INCLUDING THE VIRTUAL LABORATORY CONCEPT IN AN ON-LINE COLLABORATIVE ENVIRONMENT. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 571-576.	0.4	0
54	Intelligent Robotic Multisensorial System to Build Metallic Structures. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 133-138.	0.4	0

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55	Experiences with free and open courses using on-line multimedia resources. , 2012, , .		0
56	Active visual features based on events to guide robot manipulators in tracking tasks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11890-11897.	0.4	0
57	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, , .	0.4	0
58	Static Scheduling with Interruption Costs for Computer Vision Applications. Lecture Notes in Computer Science, 2003, , 509-522.	1.3	0
59	TEACHING IMAGE AND VIDEO PROCESSING WITH A PRACTICAL CASES-BASED METHODOLOGY AT THE UNIVERSITY OF ALICANTE. , 2016, , .		0
60	Oil Spill Detection using Segmentation based Approaches. , 2017, , .		0
61	Geometrically Finding Best Grasping Points on Single Novel 3D Point Cloud. Lecture Notes in Electrical Engineering, 2020, , 497-512.	0.4	0
62	Editorial: Robotic Handling of Deformable Objects. IEEE Robotics and Automation Letters, 2022, 7, 8257-8259.	5.1	0