

Francisco A Candelas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5806033/publications.pdf>

Version: 2024-02-01

49
papers

1,030
citations

566801

15
h-index

454577

30
g-index

49
all docs

49
docs citations

49
times ranked

1002
citing authors

#	ARTICLE	IF	CITATIONS
1	Hands-on experiences of undergraduate students in Automatics and Robotics using a virtual and remote laboratory. Computers and Education, 2011, 57, 2451-2461.	5.1	161
2	Real-time collaboration of virtual laboratories through the Internet. Computers and Education, 2009, 52, 126-140.	5.1	96
3	A Network of Automatic Control Web-Based Laboratories. IEEE Transactions on Learning Technologies, 2011, 4, 197-208.	2.2	90
4	Hybrid tracking of human operators using IMU/UWB data fusion by a Kalman filter. , 2008, , .		82
5	Providing collaborative support to virtual and remote laboratories. IEEE Transactions on Learning Technologies, 2013, 6, 312-323.	2.2	71
6	Safe human-robot interaction based on dynamic sphere-swept line bounding volumes. Robotics and Computer-Integrated Manufacturing, 2011, 27, 177-185.	6.1	64
7	Flexible multi-sensorial system for automatic disassembly using cooperative robots. International Journal of Computer Integrated Manufacturing, 2007, 20, 757-772.	2.9	58
8	Virtual disassembly of products based on geometric models. Computers in Industry, 2004, 55, 1-14.	5.7	57
9	Experiences on using Arduino for laboratory experiments of Automatic Control and Robotics. IFAC-PapersOnLine, 2015, 48, 105-110.	0.5	52
10	Control Framework for Dexterous Manipulation Using Dynamic Visual Servoing and Tactile Sensors™ Feedback. Sensors, 2014, 14, 1787-1804.	2.1	45
11	Synchronous collaboration of virtual and remote laboratories. Computer Applications in Engineering Education, 2012, 20, 124-136.	2.2	39
12	EJS+EjsRL: An interactive tool for industrial robots simulation, Computer Vision and remote operation. Robotics and Autonomous Systems, 2011, 59, 389-401.	3.0	23
13	Virtual and remote laboratory for robotics e-learning. Computer Aided Chemical Engineering, 2008, 25, 1193-1198.	0.3	20
14	Java software platform for the development of advanced robotic virtual laboratories. Computer Applications in Engineering Education, 2013, 21, E14.	2.2	19
15	Targetless Camera-LiDAR Calibration in Unstructured Environments. IEEE Access, 2020, 8, 143692-143705.	2.6	19
16	Sensor data integration for indoor human tracking. Robotics and Autonomous Systems, 2010, 58, 931-939.	3.0	17
17	Framework for Fast Experimental Testing of Autonomous Navigation Algorithms. Applied Sciences (Switzerland), 2019, 9, 1997.	1.3	13
18	Flexible system for simulating and tele-operating robots through the internet. Journal of Field Robotics, 2005, 22, 157-166.	0.7	11

#	ARTICLE	IF	CITATIONS
19	Open Educational Resources: The Role of OCW, Blogs and Videos in Computer Networks Classroom. International Journal of Emerging Technologies in Learning, 2012, 7, 4.	0.8	11
20	Deeper in BLUE. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 98, 207-225.	2.0	9
21	Automatic inspection for phase-shift reflection defects in aluminum web production. Journal of Intelligent Manufacturing, 2002, 13, 151-156.	4.4	8
22	Web-Based Monitoring and Control of Industrial Processes Used for Control Education. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 162-167.	0.4	8
23	A Vision-Driven Collaborative Robotic Grasping System Tele-Operated by Surface Electromyography. Sensors, 2018, 18, 2366.	2.1	7
24	Computer Networks E-learning Based on Interactive Simulations and SCORM. International Journal of Online and Biomedical Engineering, 2011, 7, 15.	0.9	7
25	A cooperative robotic system based on multiple sensors to construct metallic structures. International Journal of Advanced Manufacturing Technology, 2009, 45, 616-630.	1.5	6
26	Optimal control for robot-hand manipulation of an object using dynamic visual servoing. , 2014, , .		5
27	Visual servoing path tracking for safe human-robot interaction. , 2009, , .		4
28	Simulation and Scheduling of Real-Time Computer Vision Algorithms. Lecture Notes in Computer Science, 1999, , 98-114.	1.0	4
29	Practical experiences using RobUJALab.ejs: a virtual and remote laboratory for Robotics e-learning. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 42, 1-6.	0.4	3
30	Constructive learning for networks courses based on compact simulations and SCORM. , 2011, , .		3
31	Synchronous collaboration between auto-generated WebGL applications and 3D virtual laboratories created with Easy Java Simulations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 160-165.	0.4	3
32	Synchronous Collaboration with Virtual and Remote Labs in Moodle. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 270-275.	0.4	3
33	A new 3D visualization Java framework based on physics principles. Computer Physics Communications, 2012, 183, 231-244.	3.0	2
34	Presenting BLUE: A robot for localization in unstructured environments. , 2018, , .		2
35	Docencia en Automática: Aplicación de las TIC a la realización de actividades prácticas a través de Internet a la realización de actividades prácticas a través de Internet. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2010, 7, 35-45.	0.6	2
36	New features of Easy Java Simulations for 3D Modeling. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 42, 250-255.	0.4	1

#	ARTICLE	IF	CITATIONS
37	Competition benchmarking to design and program mobile robots. , 2016, , .		1
38	Virtualization of Robotic Hands Using Mobile Devices â€. Robotics, 2019, 8, 81.	2.1	1
39	Speed Estimation for Control of an Unmanned Ground Vehicle using Extremely Low Resolution Sensors. , 2018, , .		1
40	An advanced interactive interface for robotics elearning. International Journal of Online Engineering, 2008, 4, .	0.5	1
41	DM-UAV: Dexterous Manipulation Unmanned Aerial Vehicle. , 2017, , .		1
42	Graph models applied to specification, simulation, allocation, and scheduling of real-time computer vision applications. International Journal of Imaging Systems and Technology, 2000, 11, 287-291.	2.7	0
43	Experiences with free and open courses using on-line multimedia resources. , 2012, , .		0
44	Practical experiences on a real pumping system emulated by a hardware model and used as a remote laboratory. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 339-344.	0.4	0
45	Updated Website and Links Repository of the IFACâ€™s TC 9.4. IFAC-PapersOnLine, 2016, 49, 162-167.	0.5	0
46	Introduction of Robotics in the First Year of Engineering through the Design, Construction and Competition of Robots. , 2019, , .		0
47	Static Scheduling with Interruption Costs for Computer Vision Applications. Lecture Notes in Computer Science, 2003, , 509-522.	1.0	0
48	Autonomous Surface Vessel based on a Low Cost Catamaran Design. , 2016, , .		0
49	Speed Estimation for Control of an Unmanned Ground Vehicle using Extremely Low Resolution Sensors. , 2018, , .		0