Francisco A Candelas

List of Publications by Year
in descending order

49	1,030	566801	454577
papers	citations	15	30
		h-index	g-index

49	49	49	1002
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deeper in BLUE. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 98, 207-225.	2.0	9
2	Targetless Camera-LiDAR Calibration in Unstructured Environments. IEEE Access, 2020, 8, 143692-143705.	2.6	19
3	Introduction of Robotics in the First Year of Engineering through the Design, Construction and Competition of Robots. , 2019, , .		0
4	Virtualization of Robotic Hands Using Mobile Devices â€. Robotics, 2019, 8, 81.	2.1	1
5	Framework for Fast Experimental Testing of Autonomous Navigation Algorithms. Applied Sciences (Switzerland), 2019, 9, 1997.	1.3	13
6	A Vision-Driven Collaborative Robotic Grasping System Tele-Operated by Surface Electromyography. Sensors, 2018, 18, 2366.	2.1	7
7	Presenting BLUE: A robot for localization in unstructured environments. , 2018, , .		2
8	Speed Estimation for Control of an Unmanned Ground Vehicle using Extremely Low Resolution Sensors. , 2018, , .		1
9	Speed Estimation for Control of an Unmanned Ground Vehicle using Extremely Low Resolution Sensors. , 2018, , .		0
10	DM-UAV: Dexterous Manipulation Unmanned Aerial Vehicle. , 2017, , .		1
11	Updated Website and Links Repository of the IFACâ€™s TC 9.4. IFAC-PapersOnLine, 2016, 49, 162-167.	0.5	0
12	Competition benchmarking to design and program mobile robots. , 2016, , .		1
13	Autonomous Surface Vessel based on a Low Cost Catamaran Design. , 2016, , .		0
14	Experiences on using Arduino for laboratory experiments of Automatic Control and Robotics. IFAC-PapersOnLine, 2015, 48, 105-110.	0.5	52
15	Optimal control for robot-hand manipulation of an object using dynamic visual servoing. , 2014, , .		5
16	Control Framework for Dexterous Manipulation Using Dynamic Visual Servoing and Tactile Sensorsâ€™ Feedback. Sensors, 2014, 14, 1787-1804.	2.1	45
17	Java software platform for the development of advanced robotic virtual laboratories. Computer Applications in Engineering Education, 2013, 21, E14.	2.2	19
18	Providing collaborative support to virtual and remote laboratories. IEEE Transactions on Learning Technologies, 2013, 6, 312-323.	2.2	71

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	Experiences with free and open courses using on-line multimedia resources. , 2012, , .		0
24	A new 3D visualization Java framework based on physics principles. Computer Physics Communications, 2012, 183, 231-244.	3.0	2
25	Synchronous collaboration of virtual and remote laboratories. Computer Applications in Engineering Education, 2012, 20, 124-136.	2.2	39
26	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
27	Constructive learning for networks courses based on compact simulations and SCORM. , 2011, , .		3
28	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
29	A Network of Automatic Control Web-Based Laboratories. IEEE Transactions on Learning Technologies, 2011, 4, 197-208.	2.2	90
30	Safe human–robot interaction based on dynamic sphere-swept line bounding volumes. Robotics and Computer-Integrated Manufacturing, 2011, 27, 177-185.	6.1	64
31	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
32	Computer Networks E-learning Based on Interactive Simulations and SCORM. International Journal of Online and Biomedical Engineering, 2011, 7, 15.	0.9	7
33	Practical experiences using RobUALab.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
34	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
35	Sensor data integration for indoor human tracking. Robotics and Autonomous Systems, 2010, 58, 931-939.	3.0	17
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	Real-time collaboration of virtual laboratories through the Internet. Computers and Education, 2009, 52, 126-140.	5.1	96
39	Visual servoing path tracking for safe human-robot interaction. , 2009, , .		4
40	Virtual and remote laboratory for robotics e-learning. Computer Aided Chemical Engineering, 2008, 25, 1193-1198.	0.3	20
41	Hybrid tracking of human operators using IMU/UWB data fusion by a Kalman filter. , 2008, , .		82
42	An advanced interactive interface for robotics elearning. International Journal of Online Engineering, 2008, 4, .	0.5	1
43	Flexible multi-sensorial system for automatic disassembly using cooperative robots. International Journal of Computer Integrated Manufacturing, 2007, 20, 757-772.	2.9	58
44	Flexible system for simulating and tele-operating robots through the internet. Journal of Field Robotics, 2005, 22, 157-166.	0.7	11
45	Virtual disassembly of products based on geometric models. Computers in Industry, 2004, 55, 1-14.	5.7	57
46	Static Scheduling with Interruption Costs for Computer Vision Applications. Lecture Notes in Computer Science, 2003, , 509-522.	1.0	0
47	Automatic inspection for phase-shift reflection defects in aluminum web production. Journal of Intelligent Manufacturing, 2002, 13, 151-156.	4.4	8
48	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
49	Simulation and Scheduling of Real-Time Computer Vision Algorithms. Lecture Notes in Computer Science, 1999, , 98-114.	1.0	4