Ismael

List of Publications by Year
in descending order

61	389	840776 11	940533 16
papers	citations	h-index	g-index

62	62	62	361
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On-line learning of welding bead geometry in industrial robots. International Journal of Advanced Manufacturing Technology, 2016, 83, 217-231.	3.0	36
2	3D pipe reconstruction employing video information from mobile robots. Applied Soft Computing Journal, 2019, 75, 562-574.	7.2	31
3	A hybrid learning method composed by the orthogonal least-squares and the back-propagation learning algorithms for interval A2-C1 type-1 non-singleton type-2 TSK fuzzy logic systems. Soft Computing, 2015, 19, 661-678.	3.6	30
4	On-line knowledge acquisition and enhancement in robotic assembly tasks. Robotics and Computer-Integrated Manufacturing, 2015, 33, 78-89.	9.9	26
5	A visual path-following learning approach for industrial robots using DRL. Robotics and Computer-Integrated Manufacturing, 2021, 71, 102130.	9.9	20
6	Acquisition of welding skills in industrial robots. Industrial Robot, 2015, 42, 156-166.	2.1	19
7	Knowledge acquisition and learning in unstructured robotic assembly environments. Information Sciences, 2002, 145, 89-111.	6.9	17
8	Using Objectâ€™s Contour, Form and Depth to Embed Recognition Capability into Industrial Robots. Journal of Applied Research and Technology, 2013, 11, 5-17.	0.9	14
9	Learning manipulative skills with ART. , 0, , .		13
10	Robotic GMAW online learning: issues and experiments. International Journal of Advanced Manufacturing Technology, 2016, 87, 2113-2134.	3.0	13
11	ANN analysis in a vision approach for potato inspection. Journal of Applied Research and Technology, 2008, 6, .	0.9	13
12	Effect of Process Parameters on Robotic GMAW Bead Area Estimation. Procedia Technology, 2013, 7, 398-405.	1.1	11
13	On-line incremental learning for unknown conditions during assembly operations with industrial robots. Evolving Systems, 2015, 6, 101-114.	3.9	11
14	Fuzzy Logic for Omni directional Mobile Platform Control Displacement using FPGA and Bluetooth. IEEE Latin America Transactions, 2015, 13, 1907-1914.	1.6	11
15	Mobile robot navigation using potential fields and LMA. , 2016, , .		7
16	Towards learning contact states during peg-in-hole assembly with a dual-arm robot. , 2017, , .		7
17	On the Implementation of a Robotic Welding Process Using 3D Simulation Environment. , 2008, , .		6
18	An adaptive learning approach to control contact force in assembly. , 0, , .		5

#	Article	IF	Citations
19	Behaviour-based approach for skill acquisition during assembly operations, starting from scratch. Robotica, 2006, 24, 657-671.	1.9	5
20	Finishing mill thread speed set-up and control by interval type 1 non-singleton type 2 fuzzy logic systems. Ironmaking and Steelmaking, 2012, 39, 342-354.	2.1	5
21	A Reinforcement Learning Based Approach for Welding Sequence Optimization. Transactions on Intelligent Welding Manufacturing, 2018, , 33-45.	0.3	5
22	Out-of-Control Multivariate Patterns Recognition Using D2 and SVM: A Study Case for GMAW. Mathematics, 2021, 9, 467.	2.2	5
23	Dual-Arm Peg-in-Hole Assembly Using DNN with Double Force/Torque Sensor. Applied Sciences (Switzerland), 2021, 11, 6970.	2.5	5
24	SPC without Control Limits and Normality Assumption: A New Method. Lecture Notes in Computer Science, 2009, , 611-618.	1.3	5
25	Skill acquisition for industrial robots: From stand-alone to distributed learning. , 2016, , .		4
26	A hybrid non-invasive method for internal/external quality assessment of potatoes. European Food Research and Technology, 2018, 244, 161-174.	3.3	4
27	Object Detection Algorithms and Implementation in a Robot of Service. , 2018, , .		4
28	MPC Based Vehicular Trajectory Planning in Structured Environment. IEEE Access, 2021, 9, 21998-22013.	4.2	4
29	Intelligent Task Level Planning for Robotic Assembly: Issues and Experiments. Lecture Notes in Computer Science, 2004, , 872-881.	1.3	3
30	Using Background and Segmentation Algorithms Applied in Mobile Robots.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 135-140.	0.4	3
31	A fuzzy approach for on-line error compensation during robotic welding. , 2016, , .		3
32	Vision System for a Kuka KR-5 Industrial Manipulator. , 2019, , .		3
33	An Approach to Acquire Path-Following Skills by Industrial Robots From Human Demonstration. IEEE Access, 2021, 9, 82351-82363.	4.2	3
34	Fuzzy ARTMAP-Based Fast Object Recognition for Robots Using FPGA. Electronics (Switzerland), 2021, 10, 361.	3.1	3
35	On the Design of a Multimodal Cognitive Architecture for Perceptual Learning in Industrial Robots. Lecture Notes in Computer Science, 2005, , 1062-1072.	1.3	3
36	Reconfigurable Distributed Controller for Welding and Assembly Robotic Systems: Issues and Experiments. Transactions on Intelligent Welding Manufacturing, 2019, , 29-49.	0.3	3

#	Article	IF	Citations
37	A Singleton Type-1 Fuzzy Logic Controller for On-Line Error Compensation During Robotic Welding. International Journal of Computers, Communications and Control, 2017, 12, 201.	1.8	3
38	A learning approach for on line object recognition tasks. , 0, , .		2
39	Interval singleton type-2 TSK fuzzy logic systems using orthogonal least-squares and backpropagation methods as hybrid learning mechanism. , 2011, , .		2
40	IMU-Based Trajectory Generation and Modelling of 6-DOF Robot Manipulators. , 2015, , .		2
41	Grounding the lexicon for human-robot interaction during the manipulation of irregular objects. , 2018, , .		2
42	Multivariate Pattern Recognition in MSPC Using Bayesian Inference. Mathematics, 2021, 9, 306.	2.2	2
43	Learning and Fast Object Recognition in Robot Skill Acquisition: A New Method. Lecture Notes in Computer Science, 2010, , 40-49.	1.3	2
44	Contour Object Generation Method for Object Recognition Using FPGA. International Journal of Automation Technology, 2013, 7, 182-189.	1.0	2
45	Object Location in Manufacturing Cells Using Artificial Vision. , 2009, , .		1
46	Human training using HRI approach based on Fuzzy ARTMap networks. , 2010, , .		1
47	Pattern recognition in multivariate statistical process control for dimensional transformation of statistical parameters. , 2015, , .		1
48	Color's measurement and discrimination, of a cosmetic product by an artificial vision system. , 2015, , .		1
49	Towards 3D pipe reconstruction employing affine transformations from video information. , 2016, , .		1
50	Towards 3D Pipe Reconstruction Employing Affine Transformations from Video Information. IEEE Latin America Transactions, 2018, 16, 2447-2453.	1.6	1
51	Deep Convolutional AutoEncoders as a Minimal State Representation for Reinforcement Learning in Industrial Robot Manipulators. , 2018, , .		1
52	On the Use of the FuzzyARTMAP Neural Network for Pattern Recognition in Statistical Process Control using a Factorial Design. International Journal of Computers, Communications and Control, 2014, 5, 205.	1.8	1
53	Stable and Unstable Pattern Recognition Using D2 and SVM: A Multivariate Approach. Mathematics, 2021, 9, 10.	2.2	1
54	Force control in robotic assembly under extreme uncertainty using ANN. , 0, , .		0

#	Article	IF	Citations
55	Smart semaphore using image processing. , 2017, , .		0
56	A fault compensation algorithm for a distributed manufacturing system. , 2017, , .		0
57	Architecture of a Rover and its Navigation System Based on Artificial Vision. , 2019, , .		0
58	Evaluation of Brest Cancer Detection Algorithm. , 2019, , .		0
59	Mapping Visual Behavior to Robotic Assembly Tasks. Lecture Notes in Computer Science, 2005, , 347-358.	1.3	0
60	Human training using HRI approach based on fuzzy ARTMap networks. , 2010, , .		0
61	Light Source Intensity Adjustment for Enhanced Feature Extraction. Lecture Notes in Computer Science, 2010, , 50-60.	1.3	0