

# Luis Torres-Trevio

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18  
papers

102  
citations

5  
h-index

9  
g-index

19  
ext. papers

114  
ext. citations

3.2  
avg, IF

2.54  
L-index

#	Paper	IF	Citations
18	Flock of Robots with Self-Cooperation for Prey-Predator Task. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2021</b> , 101, 1	2.9	4
17	Autonomous foraging with a pack of robots based on repulsion, attraction and influence. <i>Autonomous Robots</i> , <b>2021</b> , 45, 919-935	3	2
16	Collective Tasks for a Flock of Robots Using Influence Factor. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2019</b> , 94, 439-453	2.9	6
15	Collaboration of Robot Swarms with a Relation of Individuals with Prey-Predator Type. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2018</b> , 121-132	0.2	2
14	Characterization of Environment Using the Collective Perception of a Smart Swarm Robotics Based on Data from Local Sensors. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2018</b> , 133-140	0.2	
13	Intelligent tools selection for roughing and finishing in machining of Inconel 718. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2017</b> , 88, 3031-3039	3.2	4
12	The ridge method in a radial basis function neural network. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2015</b> , 79, 1787-1796	3.2	2
11	Control by Imitation Using a Maximum Sensibility Neural Network. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 306-315	0.9	1
10	An Embedded Fuzzy Self-tuning PID Controller for a Temperature Control System of Peltier Cells. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 443-451	0.9	
9	On-line coordination of directional overcurrent relays: Performance evaluation among optimization algorithms. <i>Electric Power Systems Research</i> , <b>2014</b> , 110, 122-132	3.5	27
8	Modeling cutting machining process using symbolic regression (alpha)-(beta). <i>International Journal of Advanced Manufacturing Technology</i> , <b>2013</b> , 67, 2351-2366	3.2	
7	Machining optimization using swarm intelligence in titanium (6Al 4V) alloy. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2013</b> , 67, 535-544	3.2	13
6	An expert system for setting parameters in machining processes. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 6877-6884	7.8	14
5	Statistical inference in a redesigned Radial Basis Function neural network. <i>Engineering Applications of Artificial Intelligence</i> , <b>2013</b> , 26, 1881-1891	7.2	3
4	Parameter Estimation Based on Evolutionary Computation for P-Class Chaotic Systems*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 170-174		
3	Multi-objective optimization of a welding process by the estimation of the Pareto optimal set. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 8045-8053	7.8	22
2	Conceptual Design of Carbon Steels to Support Heavy Crude Refinement Using Neural Network Modeling and Evolutionary Optimization <b>2008</b> ,		1

- 1 Corrosion prediction and annual maintenance improvement of concrete structural components using neural networks **2007**,