

# Hassan Sayyaadi

## List of Publications by Year in descending order

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26  
papers

611  
citations

759233

12  
h-index

752698

20  
g-index

26  
all docs

26  
docs citations

26  
times ranked

593  
citing authors

#	ARTICLE	IF	CITATIONS
1	A dynamic metaheuristic optimization model inspired by biological nervous systems: Neural network algorithm. <i>Applied Soft Computing Journal</i> , 2018, 71, 747-782.	7.2	176
2	Position control of shape memory alloy actuator based on the generalized Prandtl–Ishlinskii inverse model. <i>Mechatronics</i> , 2012, 22, 945-957.	3.3	59
3	Precise position control of shape memory alloy actuator using inverse hysteresis model and model reference adaptive control system. <i>Mechatronics</i> , 2013, 23, 1150-1162.	3.3	49
4	Finite-time consensus in directed switching network topologies and time-delayed communications. <i>Scientia Iranica</i> , 2011, 18, 75-85.	0.4	42
5	Mine blast harmony search: A new hybrid optimization method for improving exploration and exploitation capabilities. <i>Applied Soft Computing Journal</i> , 2018, 68, 548-564.	7.2	39
6	Optimization and Testing of a New Prototype Hybrid MR Brake With Arc Form Surface as a Prosthetic Knee. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 1204-1214.	5.8	39
7	A Distributed Algorithm for Proportional Task Allocation in Networks of Mobile Agents. <i>IEEE Transactions on Automatic Control</i> , 2011, 56, 405-410.	5.7	37
8	Hysteresis Nonlinearity Identification Using New Preisach Model-Based Artificial Neural Network Approach. <i>Journal of Applied Mathematics</i> , 2011, 2011, 1-22.	0.9	30
9	Nonlinear robust adaptive Cartesian impedance control of UAVs equipped with a robot manipulator. <i>Advanced Robotics</i> , 2015, 29, 171-186.	1.8	27
10	Frequency-dependent energy harvesting via magnetic shape memory alloys. <i>Smart Materials and Structures</i> , 2015, 24, 115022.	3.5	18
11	Energy harvesting from structural vibrations of magnetic shape memory alloys. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	16
12	Intelligent control of an MR prosthesis knee using of a hybrid self-organizing fuzzy controller and multidimensional wavelet NN. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 3509-3518.	1.5	12
13	Facility Location Optimization via Multi-Agent Robotic Systems. , 2008, , .		10
14	Minimizing the levelized cost of energy in an offshore wind farm with non-homogeneous turbines through layout optimization. <i>Ocean Engineering</i> , 2022, 249, 110859.	4.3	9
15	Modeling and parametric studies of magnetic shape memory alloy-based energy harvester. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 563-573.	2.5	8
16	Stability and iterative convergence of water cycle algorithm for computationally expensive and combinatorial Internet shopping optimisation problems. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2019, 31, 701-721.	2.8	8
17	Prediction of the thorax/pelvis orientations and L5/S1 disc loads during various static activities using neuro-fuzzy. <i>Journal of Mechanical Science and Technology</i> , 2020, 34, 3481-3485.	1.5	6
18	A new configuration in a prosthetic knee using of hybrid concept of an MR brake with a T-shaped drum incorporating an arc form surface. <i>Smart Structures and Systems</i> , 2016, 17, 275-296.	1.9	6

#	ARTICLE	IF	CITATIONS
19	Adaptive impedance control of UAVs interacting with environment using a robot manipulator. , 2014, , .		5
20	Prosthetic knee using of hybrid concept of magnetorheological brake with a T-shaped drum. , 2015, , .		5
21	Optimizing motion trajectories of dextrous fingers by dynamic programming technique. Robotica, 1992, 10, 419-426.	1.9	3
22	Hydrodynamics maneuver of a single helical flagellum swimming robot at low-Reynolds condition. Microfluidics and Nanofluidics, 2019, 23, 1.	2.2	3
23	Energy harvesting from plate using Magnetic Shape Memory Alloys. , 2018, , .		2
24	Analysis and modification of a common energy harvesting system using magnetic shape memory alloys. Journal of Intelligent Material Systems and Structures, 2021, 32, 568-583.	2.5	2
25	Design of Mixed Fuzzy-GA Controller For SCARA Type Robot. , 2006, , .		0
26	Modeling of magnetic shape memory alloy plates for pressure sensor application. Journal of Intelligent Material Systems and Structures, 2021, 32, 196-207.	2.5	0