

# Haitham El-Hussieny

## List of Publications by Year in descending order

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23  
papers

296  
citations

1163117

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1372567

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all docs

24  
docs citations

24  
times ranked

213  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Development of Autonomous Assistive Robotic System for Drinking Task for People with Disability. , 2022, , .		1
2	Neuro-Fuzzy Volume Control for Quarter Car Air-Spring Suspension System. IEEE Access, 2021, 9, 77611-77623.	4.2	7
3	Space deformation based path planning for Mobile Robots. ISA Transactions, 2021, , .	5.7	7
4	Vine Robots. IEEE Robotics and Automation Magazine, 2020, 27, 120-132.	2.0	97
5	Nonlinear Model Predictive Growth Control of a Class of Plant-Inspired Soft Growing Robots. IEEE Access, 2020, 8, 214495-214503.	4.2	8
6	A Supervisory-Based Collaborative Obstacle-Guided Path Refinement Algorithm for Path Planning in Wide Terrains. IEEE Access, 2020, 8, 214672-214684.	4.2	13
7	Development and Stability Analysis of an Imitation Learning-Based Pose Planning Approach for Multi-Section Continuum Robot. IEEE Access, 2020, 8, 99366-99379.	4.2	19
8	Control of Automotive Air-Spring Suspension System Using Z-Number Based Fuzzy System. , 2019, , .		5
9	Demonstration-Guided Pose Planning and Tracking for Multi-Section Continuum Robots Considering Robot Dynamics. IEEE Access, 2019, 7, 166690-166703.	4.2	10
10	An ANFIS-based Human Activity Recognition using IMU sensor Fusion. , 2019, , .		6
11	Towards Development of an Autonomous Robotic System for Beard Shaving Assistance for Disabled People. , 2019, , .		4
12	Inverse discounted-based LQR algorithm for learning human movement behaviors. Applied Intelligence, 2019, 49, 1489-1501.	5.3	12
13	Finite Control Augmented with Fuzzy Logic for Automotive Air-spring Suspension System. , 2019, , .		1
14	Development and Evaluation of an Intuitive Flexible Interface for Teleoperating Soft Growing Robots. , 2018, , .		29
15	Development of a Demonstration-Guided Motion Planning for Multi-section Continuum Robots. , 2018, , .		5
16	Motion Planning for Continuum Robots: A Learning from Demonstration Approach. , 2018, , .		7
17	SoTCM: a scene-oriented task complexity metric for gaze-supported teleoperation tasks. Intelligent Service Robotics, 2018, 11, 279-288.	2.6	0
18	Learning the sit-to-stand human behavior: An inverse optimal control approach. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
19	Adaptive learning of human motor behaviors: An evolving inverse optimal control approach. Engineering Applications of Artificial Intelligence, 2016, 50, 115-124.	8.1	27
20	Incremental learning of reach-to-grasp behavior: A PSO-based Inverse optimal control approach. , 2015, , .		4
21	Robotic Exploration: New Heuristic Backtracking Algorithm, Performance Evaluation and Complexity Metric. International Journal of Advanced Robotic Systems, 2015, 12, 33.	2.1	9
22	A novel intention prediction strategy for a shared control tele-manipulation system in unknown environments. , 2015, , .		10
23	Improved Backtracking Algorithm for Efficient Sensor-Based Random Tree Exploration. , 2013, , .		8