

Haitham El-Hussieny

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

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1163117

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24
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213
citing authors

#	ARTICLE	IF	CITATIONS
1	Vine Robots. IEEE Robotics and Automation Magazine, 2020, 27, 120-132.	2.0	97
2	Development and Evaluation of an Intuitive Flexible Interface for Teleoperating Soft Growing Robots. , 2018, , .		29
3	Adaptive learning of human motor behaviors: An evolving inverse optimal control approach. Engineering Applications of Artificial Intelligence, 2016, 50, 115-124.	8.1	27
4	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
5	A Supervisory-Based Collaborative Obstacle-Guided Path Refinement Algorithm for Path Planning in Wide Terrains. IEEE Access, 2020, 8, 214672-214684.	4.2	13
6	Inverse discounted-based LQR algorithm for learning human movement behaviors. Applied Intelligence, 2019, 49, 1489-1501.	5.3	12
7	A novel intention prediction strategy for a shared control tele-manipulation system in unknown environments. , 2015, , .		10
8	Demonstration-Guided Pose Planning and Tracking for Multi-Section Continuum Robots Considering Robot Dynamics. IEEE Access, 2019, 7, 166690-166703.	4.2	10
9	Robotic Exploration: New Heuristic Backtracking Algorithm, Performance Evaluation and Complexity Metric. International Journal of Advanced Robotic Systems, 2015, 12, 33.	2.1	9
10	Improved Backtracking Algorithm for Efficient Sensor-Based Random Tree Exploration. , 2013, , .		8
11	Nonlinear Model Predictive Growth Control of a Class of Plant-Inspired Soft Growing Robots. IEEE Access, 2020, 8, 214495-214503.	4.2	8
12	Learning the sit-to-stand human behavior: An inverse optimal control approach. , 2017, , .		7
13	Motion Planning for Continuum Robots: A Learning from Demonstration Approach. , 2018, , .		7
14	Neuro-Fuzzy Volume Control for Quarter Car Air-Spring Suspension System. IEEE Access, 2021, 9, 77611-77623.	4.2	7
15	Space deformation based path planning for Mobile Robots. ISA Transactions, 2021, , .	5.7	7
16	An ANFIS-based Human Activity Recognition using IMU sensor Fusion. , 2019, , .		6
17	Development of a Demonstration-Guided Motion Planning for Multi-section Continuum Robots. , 2018, , .		5
18	Control of Automotive Air-Spring Suspension System Using Z-Number Based Fuzzy System. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
19	Incremental learning of reach-to-grasp behavior: A PSO-based Inverse optimal control approach. , 2015, , .		4
20	Towards Development of an Autonomous Robotic System for Beard Shaving Assistance for Disabled People. , 2019, , .		4
21	Finite Control Augmented with Fuzzy Logic for Automotive Air-spring Suspension System. , 2019, , .		1
22	On the Development of Autonomous Assistive Robotic System for Drinking Task for People with Disability. , 2022, , .		1
23	SoTCM: a scene-oriented task complexity metric for gaze-supported teleoperation tasks. Intelligent Service Robotics, 2018, 11, 279-288.	2.6	0