

Ali Torabi

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

395
citations

1307594

7
h-index

1125743

13
g-index

21
all docs

21
docs citations

21
times ranked

429
citing authors

#	ARTICLE	IF	CITATIONS
1	Robotics, Smart Wearable Technologies, and Autonomous Intelligent Systems for Healthcare During the COVID-19 Pandemic: An Analysis of the State of the Art and Future Vision. <i>Advanced Intelligent Systems</i> , 2020, 2, 2000071.	6.1	204
2	Application of a Redundant Haptic Interface in Enhancing Soft-Tissue Stiffness Discrimination. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 1037-1044.	5.1	33
3	Impedance Variation and Learning Strategies in Human-Robot Interaction. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 6462-6475.	9.5	32
4	An admittance-controlled wheeled mobile manipulator for mobility assistance: Human-robot interaction estimation and redundancy resolution for enhanced force exertion ability. <i>Mechatronics</i> , 2021, 74, 102497.	3.3	23
5	Enhancement of Force Exertion Capability of a Mobile Manipulator by Kinematic Reconfiguration. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 5842-5849.	5.1	22
6	A cooperative paradigm for task-space control of multilateral nonlinear teleoperation with bounded inputs and time-varying delays. <i>Mechatronics</i> , 2019, 62, 102255.	3.3	12
7	Manipulability of teleoperated surgical robots with application in design of master/slave manipulators. , 2018, , .		11
8	Controlled Synchronization of Nonlinear Teleoperation in Task-space with Time-varying Delays. <i>International Journal of Control, Automation and Systems</i> , 2019, 17, 1875-1883.	2.7	10
9	Applications of Haptics in Medicine. , 2020, , 183-214.		8
10	VDC-based admittance control of multi-DOF manipulators considering joint flexibility via hierarchical control framework. <i>Control Engineering Practice</i> , 2022, 124, 105186.	5.5	8
11	Dynamic Reconfiguration of Redundant Haptic Interfaces for Rendering Soft and Hard Contacts. <i>IEEE Transactions on Haptics</i> , 2020, 13, 668-678.	2.7	7
12	Enhancing kinematic accuracy of redundant wheeled mobile manipulators via adaptive motion planning. <i>Mechatronics</i> , 2021, 79, 102639.	3.3	7
13	Using a Redundant User Interface in Teleoperated Surgical Systems for Task Performance Enhancement. <i>Robotica</i> , 2020, 38, 1880-1894.	1.9	6
14	Human-Robot Collaboration for Heavy Object Manipulation: Kinesthetic Teaching of the Role of Wheeled Mobile Manipulator. , 2021, , .		4
15	Intelligent assistance for older adults via an admittance-controlled wheeled mobile manipulator with task-dependent end-effectors. <i>Mechatronics</i> , 2022, 85, 102821.	3.3	4
16	Kinematic design of linkage-based haptic interfaces for medical applications: a review. <i>Progress in Biomedical Engineering</i> , 2021, 3, 022005.	4.9	2
17	Task-Space Position and Containment Control of Redundant Manipulators with Bounded Inputs. , 2019, , .		1
18	Using robotic mechanical perturbations for enhanced balance assessment. <i>Medical Engineering and Physics</i> , 2020, 83, 7-14.	1.7	1

#	ARTICLE	IF	CITATIONS
19	Redundant Haptic Interfaces for Enhanced Force Feedback Capability Despite Joint Torque Limits. , 2020, , .		0
20	A Low-cost Intrinsically Safe Mechanism for Physical Distancing Between Clinicians and Patients. , 2021, , .		0
21	Improving a User's Haptic Perceptual Sensitivity by Optimizing Effective Manipulability of a Redundant User Interface. , 2021, , .		0