

# 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	Impedance Variation and Learning Strategies in Human-Robot Interaction. IEEE Transactions on Cybernetics, 2022, 52, 6462-6475.	9.5	32
2	VDC-based admittance control of multi-DOF manipulators considering joint flexibility via hierarchical control framework. Control Engineering Practice, 2022, 124, 105186.	5.5	8
3	Intelligent assistance for older adults via an admittance-controlled wheeled mobile manipulator with task-dependent end-effectors. Mechatronics, 2022, 85, 102821.	3.3	4
4	Kinematic design of linkage-based haptic interfaces for medical applications: a review. Progress in Biomedical Engineering, 2021, 3, 022005.	4.9	2
5	An admittance-controlled wheeled mobile manipulator for mobility assistance: Human-robot interaction estimation and redundancy resolution for enhanced force exertion ability. Mechatronics, 2021, 74, 102497.	3.3	23
6	Enhancing kinematic accuracy of redundant wheeled mobile manipulators via adaptive motion planning. Mechatronics, 2021, 79, 102639.	3.3	7
7	A Low-cost Intrinsically Safe Mechanism for Physical Distancing Between Clinicians and Patients. , 2021, , .		0
8	Improving a User's Haptic Perceptual Sensitivity by Optimizing Effective Manipulability of a Redundant User Interface. , 2021, , .		0
9	Human-Robot Collaboration for Heavy Object Manipulation: Kinesthetic Teaching of the Role of Wheeled Mobile Manipulator. , 2021, , .		4
10	Using robotic mechanical perturbations for enhanced balance assessment. Medical Engineering and Physics, 2020, 83, 7-14.	1.7	1
11	Redundant Haptic Interfaces for Enhanced Force Feedback Capability Despite Joint Torque Limits. , 2020, , .		0
12	Enhancement of Force Exertion Capability of a Mobile Manipulator by Kinematic Reconfiguration. IEEE Robotics and Automation Letters, 2020, 5, 5842-5849.	5.1	22
13	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. Advanced Intelligent Systems, 2020, 2, 2000071.	6.1	204
14	Dynamic Reconfiguration of Redundant Haptic Interfaces for Rendering Soft and Hard Contacts. IEEE Transactions on Haptics, 2020, 13, 668-678.	2.7	7
15	Applications of Haptics in Medicine. , 2020, , 183-214.		8
16	Using a Redundant User Interface in Teleoperated Surgical Systems for Task Performance Enhancement. Robotica, 2020, 38, 1880-1894.	1.9	6
17	A cooperative paradigm for task-space control of multilateral nonlinear teleoperation with bounded inputs and time-varying delays. Mechatronics, 2019, 62, 102255.	3.3	12
18	Application of a Redundant Haptic Interface in Enhancing Soft-Tissue Stiffness Discrimination. IEEE Robotics and Automation Letters, 2019, 4, 1037-1044.	5.1	33

#	ARTICLE	IF	CITATIONS
19	Controlled Synchronization of Nonlinear Teleoperation in Task-space with Time-varying Delays. International Journal of Control, Automation and Systems, 2019, 17, 1875-1883.	2.7	10
20	Task-Space Position and Containment Control of Redundant Manipulators with Bounded Inputs. , 2019, , .		1
21	Manipulability of teleoperated surgical robots with application in design of master/slave manipulators. , 2018, , .		11