

Altay Zhakatayev

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

205
citations

1478505

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all docs

15
docs citations

15
times ranked

204
citing authors

#	ARTICLE	IF	CITATIONS
1	Closed-Loop Control of Variable Stiffness Actuated Robots via Nonlinear Model Predictive Control. IEEE Access, 2015, 3, 235-248.	4.2	91
2	Analytical modeling and design of negative stiffness honeycombs. Smart Materials and Structures, 2020, 29, 045024.	3.5	27
3	Time-Optimal Control of Variable-Stiffness-Actuated Systems. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1247-1258.	5.8	22
4	Generalized Dynamics of Stacked Tensegrity Manipulators. IEEE Access, 2019, 7, 63472-63484.	4.2	15
5	Successive linearization based model predictive control of variable stiffness actuated robots. , 2017, , .		10
6	Safety Aura Visualization for Variable Impedance Actuated Robots. , 2019, , .		10
7	Augmenting Variable Stiffness Actuation Using Reaction Wheels. IEEE Access, 2016, 4, 4618-4628.	4.2	8
8	Energy-Aware Optimal Control of Variable Stiffness Actuated Robots. IEEE Robotics and Automation Letters, 2019, 4, 330-337.	5.1	7
9	Integrated optimal design and control of variable stiffness actuated robots. , 2015, , .		3
10	Sensor Reduction of Variable Stiffness Actuated Robots Using Moving Horizon Estimation. IEEE Transactions on Control Systems Technology, 2020, 28, 1757-1769.	5.2	3
11	Dynamics of Tensegrity Robots With Negative Stiffness Elements. IEEE Access, 2020, 8, 187114-187125.	4.2	3
12	Optimal Sensor Placement of Variable Impedance Actuated Robots. , 2019, , .		2
13	Linear Negative Stiffness Honeycomb Actuator with Integrated Force Sensing. , 2020, , .		2
14	Long-Range Longitudinal Electric Wave in Vacuum Radiated by Electric Dipole: Part I. Radio Science, 2020, 55, e2019RS006881.	1.6	2
15	A preliminary study for using reactive braking torque in variable impedance actuation. , 2015, , .		0