Altay Zhakatayev

List of Publications by Year
in descending order

15	205	1478505 6	1474206 9
papers	citations	h-index	g-index

15	15	15	204
all docs	docs citations	times ranked	citing authors

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