

Yikun Gu

List of Publications by Year in descending order

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15
papers

167
citations

1683934

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1872570

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15
all docs

15
docs citations

15
times ranked

174
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel approach for flexible manipulator conducting screwing task based on robotâ€™environment contact classification. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 1357-1367.	1.1	6
2	An adaptive socket with auto-adjusting air bladders for interfacing transhumeral prosthesis: A pilot study. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2019, 233, 812-822.	1.0	5
3	Improving the functionality, robustness, and adaptability of myoelectric control for dexterous motion restoration. Experimental Brain Research, 2019, 237, 291-311.	0.7	42
4	Workspace Analysis Based on Manipulator Pose Dexterity Map. , 2018, , .		4
5	Trajectory Modified in Joint Space for Vibration Suppression of Manipulator. IEEE Access, 2018, 6, 57969-57980.	2.6	14
6	Robust adaptive multi-task tracking control of redundant manipulators with dynamic and kinematic uncertainties and unknown disturbances. Advanced Robotics, 2017, 31, 482-495.	1.1	8
7	Translational and tumbling gaits for trinal-branch robots. , 2017, , .		0
8	An adaptable prosthetic socket: Regulating independent air bladders through closed-loop control. , 2017, , .		7
9	Live demonstration â€™ An adaptable prosthetic socket: Regulating independent air bladders through closed-loop control. , 2017, , .		1
10	Trajectory planning of robot manipulators based on unit quaternion. , 2017, , .		0
11	Robust adaptation based backlash and friction compensation for 3-DOF robotic head with dynamic uncertainties. , 2016, , .		1
12	Dexterous motion recognition for myoelectric control of multifunctional transradial prostheses. Advanced Robotics, 2014, 28, 1533-1543.	1.1	13
13	Estimation of hand grasp force based on forearm surface EMG. , 2009, , .		26
14	A novel phase current reconstruction method using a single DC-link current sensor. , 2009, , .		6
15	EMG pattern recognition and grasping force estimation: Improvement to the myocontrol of multi-DOF prosthetic hands. , 2009, , .		34