

Yikun Gu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6054199/publications.pdf>

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15
papers

167
citations

1683934

5
h-index

1872570

6
g-index

15
all docs

15
docs citations

15
times ranked

174
citing authors

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