Ningbo Yu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8214710/publications.pdf

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33	156	1684188 5	1372567 10
papers	citations	h-index	g-index

34	34	34	157
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fusion of Haptic and Gesture Sensors for Rehabilitation of Bimanual Coordination and Dexterous Manipulation. Sensors, 2016, 16, 395.	3.8	24
2	Enhanced Autonomous Exploration and Mapping of an Unknown Environment with the Fusion of Dual RGB-D Sensors. Engineering, 2019, 5, 164-172.	6.7	14
3	Passivity guaranteed stiffness control with multiple frequency band specifications for a cable-driven series elastic actuator. Mechanical Systems and Signal Processing, 2019, 117, 709-722.	8.0	13
4	Gesture-based telemanipulation of a humanoid robot for home service tasks. , 2015, , .		10
5	Augmented virtual stiffness rendering of a cable-driven SEA for human-robot interaction. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 714-723.	13.1	9
6	Comparison of medical image 3D reconstruction rendering methods for robot-assisted surgery. , 2017, , .		9
7	Quantified assessment of deep brain stimulation on Parkinsonâ€™s patients with task fNIRS measurements and functional connectivity analysis: a pilot study. Chinese Neurosurgical Journal, 2021, 7, 34.	0.9	7
8	Dexterous haptic interaction for functional rehabilitation and assessment of the upper limb. , 2014, , .		6
9	A haptic shared control algorithm for flexible human assistance to semi-autonomous robots. , 2015, , .		6
10	Realization and experimental test of a body weight support unit for simultaneous position tracking and gravity offloading. , 2016, , .		6
11	Plantar pressure-based temporal analysis of gait disturbance in idiopathic normal pressure hydrocephalus: Indications from a pilot longitudinal study. Computer Methods and Programs in Biomedicine, 2022, 217, 106691.	4.7	5
12	A non-contact system for intraoperative quantitative assessment of bradykinesia in deep brain stimulation surgery. Computer Methods and Programs in Biomedicine, 2022, 225, 107005.	4.7	5
13	Impedance control of a cable-driven series elastic actuator with the 2-DOF control structure. , 2016, , .		4
14	Active mass-offloading with cable-driven SEA for tailored support to lower limb rehabilitation. , 2016, , .		4
15	Impedance control of a cable-driven SEA with mixed H2/Hâˆž synthesis. Assembly Automation, 2017, 37, 296-303.	1.7	4
16	Real-Time Force Control of an SEA-Based Body Weight Support Unit with the 2-DOF Control Structure. , 2018, , .		4
17	Intraoperative Quantitative Measurements for Bradykinesia Evaluation during Deep Brain Stimulation Surgery Using Leap Motion Controller: A Pilot Study. Parkinson's Disease, 2021, 2021, 1-7.	1.1	4
18	Robotic Whole-cell Patch Clamping Based on Three Dimensional Location for Adherent Cells. , 2020, , .		4

#	Article	IF	Citations
19	A haptic shared control approach to teleoperation of mobile robots. , 2015, , .		3
20	Active Modeling and Control of the Ring-Shaped Pneumatic Actuator: An Experimental Study. IEEE/ASME Transactions on Mechatronics, 2022, 27, 2918-2929.	5.8	3
21	A bilateral rehabilitation method for arm coordination and manipulation function with gesture and haptic interfaces. , 2015, , .		2
22	Modeling and Robust Control for Tendonâ€“Sheath Artificial Muscle System <i />Twist<i /> With Time-Varying Parameters and Input Constraints: An Exploratory Research. IEEE Transactions on Industrial Electronics, 2023, 70, 878-887.	7.9	2
23	An extended kinematic model for arm rehabilitation training and assessment. , 2016, , .		1
24	Torque control of a cable-driven series elastic actuator using the 2-DOF method. , 2016, , .		1
25	A Novel Double-Rope BWS System for Locomotion Training of Hemiplegic Patients. , 2018, , .		1
26	Servo and Force Control with Improved Robustness and Accuracy for An Active Body Weight Support System. , 2019, , .		1
27	System Design and Clinical Simulation of A Robotic System for Endoscopic Sinus Surgery. , 2019, , .		1
28	A Video-based Method for Assessment of Hip-Knee-Ankle Coordination during Walking. , 2021, , .		1
29	An Effective Connectivity Analysis Method to Explore Visual-motor Coordination during A Grip Task. , 2021, , .		1
30	Variable Stiffness Control with Strict Frequency Domain Constraints for Physical Human-Robot Interaction. , 2020, , .		1
31	Electrodes Deployment for IRE Tumor Ablation based on the Nelder-Mead Simplex Algorithm. , 2017, , .		0
32	Design and Development of A Knee Surgery Planning System. , 2020, , .		0
33	A Video-Based Method to Classify Abnormal Gait for Remote Screening of Parkinsonâ€™s Disease. , 2021, , .		0