

# Ningbo Yu

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

156  
citations

1684188

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h-index

1372567

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g-index

34  
all docs

34  
docs citations

34  
times ranked

157  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	A Video-Based Method to Classify Abnormal Gait for Remote Screening of Parkinsonâ€™s Disease. , 2021, , .		0
8	A Video-based Method for Assessment of Hip-Knee-Ankle Coordination during Walking. , 2021, , .		1
9	An Effective Connectivity Analysis Method to Explore Visual-motor Coordination during A Grip Task. , 2021, , .		1
10	Design and Development of A Knee Surgery Planning System. , 2020, , .		0
11	Robotic Whole-cell Patch Clamping Based on Three Dimensional Location for Adherent Cells. , 2020, , .		4
12	Variable Stiffness Control with Strict Frequency Domain Constraints for Physical Human-Robot Interaction. , 2020, , .		1
13	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
14	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
15	Servo and Force Control with Improved Robustness and Accuracy for An Active Body Weight Support System. , 2019, , .		1
16	System Design and Clinical Simulation of A Robotic System for Endoscopic Sinus Surgery. , 2019, , .		1
17	Real-Time Force Control of an SEA-Based Body Weight Support Unit with the 2-DOF Control Structure. , 2018, , .		4
18	A Novel Double-Rope BWS System for Locomotion Training of Hemiplegic Patients. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	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
20	Impedance control of a cable-driven SEA with mixed H2/H $\infty$ synthesis. Assembly Automation, 2017, 37, 296-303.	1.7	4
21	Comparison of medical image 3D reconstruction rendering methods for robot-assisted surgery. , 2017, , .		9
22	Electrodes Deployment for IRE Tumor Ablation based on the Nelder-Mead Simplex Algorithm. , 2017, , .		0
23	Fusion of Haptic and Gesture Sensors for Rehabilitation of Bimanual Coordination and Dexterous Manipulation. Sensors, 2016, 16, 395.	3.8	24
24	Impedance control of a cable-driven series elastic actuator with the 2-DOF control structure. , 2016, , .		4
25	An extended kinematic model for arm rehabilitation training and assessment. , 2016, , .		1
26	Active mass-offloading with cable-driven SEA for tailored support to lower limb rehabilitation. , 2016, , .		4
27	Torque control of a cable-driven series elastic actuator using the 2-DOF method. , 2016, , .		1
28	Realization and experimental test of a body weight support unit for simultaneous position tracking and gravity offloading. , 2016, , .		6
29	A bilateral rehabilitation method for arm coordination and manipulation function with gesture and haptic interfaces. , 2015, , .		2
30	Gesture-based telemanipulation of a humanoid robot for home service tasks. , 2015, , .		10
31	A haptic shared control algorithm for flexible human assistance to semi-autonomous robots. , 2015, , .		6
32	A haptic shared control approach to teleoperation of mobile robots. , 2015, , .		3
33	Dexterous haptic interaction for functional rehabilitation and assessment of the upper limb. , 2014, , .		6