

Andrew Erwin

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

278
citations

1307594

7
h-index

1281871

11
g-index

19
all docs

19
docs citations

19
times ranked

350
citing authors

#	ARTICLE	IF	CITATIONS
1	VALENTInE: A Concept for a New Frontiersâ€™Class Long-duration In Situ Balloon-based Aerobot Mission to Venus. Planetary Science Journal, 2022, 3, 152.	3.6	4
2	Electrostatic frequency reduction: A negative stiffness mechanism for measuring dissipation in a mechanical oscillator at low frequency. Review of Scientific Instruments, 2021, 92, 015101.	1.3	8
3	The SE-AssessWrist for robot-aided assessment of wrist stiffness and range of motion: Development and experimental validation. Journal of Rehabilitation and Assistive Technologies Engineering, 2021, 8, 205566832098577.	0.9	5
4	Brownian Noise and Temperature Sensitivity of Long-Period Lunar Seismometers. Bulletin of the Seismological Society of America, 2021, 111, 3065-3075.	2.3	3
5	Temperature sensitivity analysis on mass-spring potential with electrostatic frequency reduction for lunar seismometers. AIP Advances, 2021, 11, 125019.	1.3	1
6	Importance of Wrist Movement Direction in Performing Activities of Daily Living Efficiently. , 2020, 2020, 3174-3177.		6
7	A Robotic Platform for 3D Forelimb Rehabilitation with Rats. , 2019, 2019, 429-434.		0
8	A Bowden Cable-Based Series Elastic Actuation Module for Assessing the Human Wrist. , 2018, , .		3
9	Quantitative Testing of fMRI-Compatibility of an Electrically Active Mechatronic Device for Robot-Assisted Sensorimotor Protocols. IEEE Transactions on Biomedical Engineering, 2018, 65, 1595-1606.	4.2	11
10	Kinesthetic Feedback During 2DOF Wrist Movements via a Novel MR-Compatible Robot. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1489-1499.	4.9	28
11	The effect of robot dynamics on smoothness during wrist pointing. , 2017, 2017, 597-602.		4
12	A Time-Domain Approach to Control of Series Elastic Actuators: Adaptive Torque and Passivity-Based Impedance Control. IEEE/ASME Transactions on Mechatronics, 2016, 21, 2085-2096.	5.8	54
13	A Haptic Feedback Scheme to Accurately Position a Virtual Wrist Prosthesis Using a Three-Node Tactor Array. PLoS ONE, 2015, 10, e0134095.	2.5	21
14	Development, control, and MRI-compatibility of the MR-SoftWrist. , 2015, , .		17
15	Interaction Control Capabilities of an MR-Compatible Compliant Actuator for Wrist Sensorimotor Protocols During fMRI. IEEE/ASME Transactions on Mechatronics, 2015, 20, 2678-2690.	5.8	27
16	Compliant force-feedback actuation for accurate robot-mediated sensorimotor interaction protocols during fMRI. , 2014, , .		4
17	Design and perceptibility of a wearable haptic device using low-frequency stimulations on the forearm. , 2014, , .		4
18	Design and validation of the RiceWrist-S exoskeleton for robotic rehabilitation after incomplete spinal cord injury. Robotica, 2014, 32, 1415-1431.	1.9	73

#	ARTICLE	IF	CITATIONS
19	Interaction Control for Rehabilitation Robotics via a Low-Cost Force Sensing Handle. , 2013, , .		5