

Marcia O'Malley

List of Publications by Year in descending order

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Version: 2024-02-01

185
papers

4,423
citations

186265

28
h-index

149698

56
g-index

188
all docs

188
docs citations

188
times ranked

3431
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of a haptic arm exoskeleton for training and rehabilitation. IEEE/ASME Transactions on Mechatronics, 2006, 11, 280-289.	5.8	266
2	Design, Control and Performance of <i>RiceWrist</i>: A Force Feedback Wrist Exoskeleton for Rehabilitation and Training. International Journal of Robotics Research, 2008, 27, 233-251.	8.5	216
3	A Review of Intent Detection, Arbitration, and Communication Aspects of Shared Control for Physical Human-Robot Interaction. Applied Mechanics Reviews, 2018, 70, .	10.1	206
4	Minimal Assist-as-Needed Controller for Upper Limb Robotic Rehabilitation. IEEE Transactions on Robotics, 2016, 32, 113-124.	10.3	178
5	Current Trends in Robot-Assisted Upper-Limb Stroke Rehabilitation: Promoting Patient Engagement in Therapy. Current Physical Medicine and Rehabilitation Reports, 2014, 2, 184-195.	0.8	159
6	A decade retrospective of medical robotics research from 2010 to 2020. Science Robotics, 2021, 6, eabi8017.	17.6	158
7	An index finger exoskeleton with series elastic actuation for rehabilitation: Design, control and performance characterization. International Journal of Robotics Research, 2015, 34, 1747-1772.	8.5	140
8	Design and Optimization of an EEG-Based Brain Machine Interface (BMI) to an Upper-Limb Exoskeleton for Stroke Survivors. Frontiers in Neuroscience, 2016, 10, 122.	2.8	130
9	Shared Control in Haptic Systems for Performance Enhancement and Training. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2006, 128, 75-85.	1.6	129
10	Normalized Movement Quality Measures for Therapeutic Robots Strongly Correlate With Clinical Motor Impairment Measures. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2010, 18, 433-444.	4.9	88
11	Hybrid Rigid-Soft Hand Exoskeleton to Assist Functional Dexterity. IEEE Robotics and Automation Letters, 2019, 4, 73-80.	5.1	84
12	Position Synchronization in Bilateral Teleoperation Under Time-Varying Communication Delays. IEEE/ASME Transactions on Mechatronics, 2015, 20, 245-253.	5.8	79
13	A Subject-Adaptive Controller for Wrist Robotic Rehabilitation. IEEE/ASME Transactions on Mechatronics, 2015, 20, 1338-1350.	5.8	77
14	The Task-Dependent Efficacy of Shared-Control Haptic Guidance Paradigms. IEEE Transactions on Haptics, 2012, 5, 208-219.	2.7	76
15	Design and validation of the RiceWrist-S exoskeleton for robotic rehabilitation after incomplete spinal cord injury. Robotica, 2014, 32, 1415-1431.	1.9	73
16	Incorporating simulation in vascular surgery education. Journal of Vascular Surgery, 2010, 52, 1072-1080.	1.1	59
17	The Rice Haptic Rocker: Skin stretch haptic feedback with the Pisa/IIT SoftHand. , 2017, , .		57
18	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

#	ARTICLE	IF	CITATIONS
19	Robotic training and clinical assessment of upper extremity movements after spinal cord injury: A single case report. <i>Journal of Rehabilitation Medicine</i> , 2012, 44, 186-188.	1.1	53
20	Mechanical design of a distal arm exoskeleton for stroke and spinal cord injury rehabilitation. , 2011, 2011, 5975428.		46
21	Transcranial direct current stimulation (tDCS) of the primary motor cortex and robot-assisted arm training in chronic incomplete cervical spinal cord injury: A proof of concept sham-randomized clinical study. <i>NeuroRehabilitation</i> , 2016, 39, 401-411.	1.3	45
22	Design and characterization of the OpenWrist: A robotic wrist exoskeleton for coordinated hand-wrist rehabilitation. , 2017, 2017, 720-725.		45
23	Learning from Physical Human Corrections, One Feature at a Time. , 2018, , .		45
24	Disturbance-Observer-Based Force Estimation for Haptic Feedback. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2011, 133, .	1.6	44
25	Tactile Feedback of Object Slip Facilitates Virtual Object Manipulation. <i>IEEE Transactions on Haptics</i> , 2015, 8, 454-466.	2.7	44
26	Negative efficacy of fixed gain error reducing shared control for training in virtual environments. <i>ACM Transactions on Applied Perception</i> , 2009, 6, 1-21.	1.9	43
27	The hBracelet: A Wearable Haptic Device for the Distributed Mechanotactile Stimulation of the Upper Limb. <i>IEEE Robotics and Automation Letters</i> , 2018, 3, 2198-2205.	5.1	42
28	Smoothness of surgical tool tip motion correlates to skill in endovascular tasks. <i>IEEE Transactions on Human-Machine Systems</i> , 2016, 46, 647-659.	3.5	41
29	A robotic exoskeleton for rehabilitation and assessment of the upper limb following incomplete spinal cord injury. , 2015, , .		40
30	A review of methods for achieving upper limb movement following spinal cord injury through hybrid muscle stimulation and robotic assistance. <i>Experimental Neurology</i> , 2020, 328, 113274.	4.1	39
31	Progressive shared control for training in virtual environments. , 2009, , .		38
32	Robot-Assisted Training of Arm and Hand Movement Shows Functional Improvements for Incomplete Cervical Spinal Cord Injury. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2017, 96, S171-S177.	1.4	38
33	An exploration of grip force regulation with a low-impedance myoelectric prosthesis featuring referred haptic feedback. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015, 12, 104.	4.6	35
34	Skin Stretch Haptic Feedback to Convey Closure Information in Anthropomorphic, Under-Actuated Upper Limb Soft Prostheses. <i>IEEE Transactions on Haptics</i> , 2019, 12, 508-520.	2.7	35
35	System Characterization of MAHI Exo-II: A Robotic Exoskeleton for Upper Extremity Rehabilitation. , 2014, 2014, .		32
36	Effects of Assist-As-Needed Upper Extremity Robotic Therapy after Incomplete Spinal Cord Injury: A Parallel-Group Controlled Trial. <i>Frontiers in Neurorobotics</i> , 2017, 11, 26.	2.8	31

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37	Progressive haptic and visual guidance for training in a virtual dynamic task. , 2010, , .		30
38	Mechanical design of RiceWrist-S: A forearm-wrist exoskeleton for stroke and spinal cord injury rehabilitation. , 2012, , .		30
39	Understanding the role of haptic feedback in a teleoperated/prosthetic grasp and lift task. , 2013, , .		30
40	Conveying language through haptics. , 2018, , .		29
41	Application of Levant's differentiator for velocity estimation and increased Z-width in haptic interfaces. , 2011, , .		28
42	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
43	A Myoelectric Control Interface for Upper-Limb Robotic Rehabilitation Following Spinal Cord Injury. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 978-987.	4.9	28
44	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
45	Electromagnetic tracking of flexible robotic catheters enables "assisted navigation" and brings automation to endovascular navigation in an in vitro study. Journal of Vascular Surgery, 2018, 67, 1274-1281.	1.1	27
46	Multi-Sensory Stimuli Improve Distinguishability of Cutaneous Haptic Cues. IEEE Transactions on Haptics, 2020, 13, 286-297.	2.7	27
47	Assessing and Inducing Neuroplasticity With Transcranial Magnetic Stimulation and Robotics for Motor Function. Archives of Physical Medicine and Rehabilitation, 2006, 87, 59-66.	0.9	26
48	Expertise-Based Performance Measures in a Virtual Training Environment. Presence: Teleoperators and Virtual Environments, 2009, 18, 449-467.	0.6	26
49	Leveraging disturbance observer based torque control for improved impedance rendering with series elastic actuators. , 2015, , .		25
50	On the stability and accuracy of high stiffness rendering in non-backdrivable actuators through series elasticity. Mechatronics, 2015, 26, 64-75.	3.3	25
51	Neural activity modulations and motor recovery following brain-exoskeleton interface mediated stroke rehabilitation. NeuroImage: Clinical, 2020, 28, 102502.	2.7	24
52	Mathematical equations as executable models of mechanical systems. , 2010, , .		24
53	Syntacts: Open-Source Software and Hardware for Audio-Controlled Haptics. IEEE Transactions on Haptics, 2021, 14, 225-233.	2.7	23
54	Design of a series elastic actuator for a compliant parallel wrist rehabilitation robot. , 2013, 2013, 6650481.		22

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55	A Multisensory Approach to Present Phonemes as Language Through a Wearable Haptic Device. IEEE Transactions on Haptics, 2021, 14, 188-199.	2.7	22
56	Assessing Wrist Movement With Robotic Devices. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1585-1595.	4.9	21
57	Toward improved sensorimotor integration and learning using upper-limb prosthetic devices. , 2010, 2010, 5077-80.		20
58	Efficacy of shared-control guidance paradigms for robot-mediated training. , 2011, , .		20
59	Spatially Separating Haptic Guidance From Task Dynamics Through Wearable Devices. IEEE Transactions on Haptics, 2019, 12, 581-593.	2.7	20
60	Haptic Interfaces. , 2008, , 25-73.		19
61	Evaluation of Velocity Estimation Methods Based on Their Effect on Haptic Device Performance. IEEE/ASME Transactions on Mechatronics, 2018, 23, 604-613.	5.8	19
62	Improving Perception Accuracy with Multi-sensory Haptic Cue Delivery. Lecture Notes in Computer Science, 2018, , 289-301.	1.3	19
63	On the role of wearable haptics for force feedback in teleimpedance control for dual-arm robotic teleoperation. , 2019, , .		19
64	The model for Fundamentals of Endovascular Surgery (FEVS) successfully defines the competent endovascular surgeon. Journal of Vascular Surgery, 2015, 62, 1660-1666.e3.	1.1	18
65	Vision-based force sensing for nanomanipulation. IEEE/ASME Transactions on Mechatronics, 2011, 16, 1177-1183.	5.8	17
66	Detecting movement intent from scalp EEG in a novel upper limb robotic rehabilitation system for stroke. , 2014, 2014, 4127-4130.		17
67	Compensating position drift in Time Domain Passivity Approach based teleoperation. , 2014, , .		17
68	Development, control, and MRI-compatibility of the MR-SoftWrist. , 2015, , .		17
69	Kinematics effectively delineate accomplished users of endovascular robotics with a physical training model. Journal of Vascular Surgery, 2015, 61, 535-541.	1.1	17
70	Improving robotic stroke rehabilitation by incorporating neural intent detection: Preliminary results from a clinical trial. , 2017, 2017, 122-127.		17
71	Impact of visual error augmentation methods on task performance and motor adaptation. , 2009, , .		16
72	On the development of objective metrics for surgical skills evaluation based on tool motion. , 2014, , .		16

#	ARTICLE	IF	CITATIONS
73	On the Ability of Humans to Haptically Identify and Discriminate Real and Simulated Objects. Presence: Teleoperators and Virtual Environments, 2005, 14, 366-376.	0.6	15
74	The RiceWrist: A Distal Upper Extremity Rehabilitation Robot for Stroke Therapy. , 2006, , 1437.		15
75	Discrimination of consonant articulation location by tactile stimulation of the forearm. , 2010, , .		15
76	Design and characterization of a haptic paddle for dynamics education. , 2014, , .		15
77	Maintaining subject engagement during robotic rehabilitation with a minimal assist-as-needed (mAAN) controller. , 2017, 2017, 62-67.		15
78	System characterization of RiceWrist-S: A forearm-wrist exoskeleton for upper extremity rehabilitation. , 2013, 2013, 6650462.		14
79	Flexible robotics with electromagnetic tracking improves safety and efficiency during inÂvitro endovascular navigation. Journal of Vascular Surgery, 2017, 65, 530-537.	1.1	14
80	Design, Control, and Psychophysics of Tasbi: A Force-Controlled Multimodal Haptic Bracelet. IEEE Transactions on Robotics, 2022, 38, 2962-2978.	10.3	14
81	Identifying Successful Motor Task Completion via Motion-Based Performance Metrics. IEEE Transactions on Human-Machine Systems, 2014, 44, 139-145.	3.5	13
82	Comparison of robotic and clinical motor function improvement measures for sub-acute stroke patients. , 2008, , .		12
83	Adaptive control of a serial-in-parallel robotic rehabilitation device. , 2013, 2013, 6650412.		12
84	The role of auxiliary and referred haptic feedback in myoelectric control. , 2015, , .		12
85	Combining functional electrical stimulation and a powered exoskeleton to control elbow flexion. , 2017, , .		12
86	Effects of discretization on the K-width of series elastic actuators. , 2017, , .		12
87	Toward improved surgical training: Delivering smoothness feedback using haptic cues. , 2018, , .		12
88	The rice haptic rocker: Altering the perception of skin stretch through mapping and geometric design. , 2018, , .		12
89	Expert Surgeons Can Smoothly Control Robotic Tools With a Discrete Control Interface. IEEE Transactions on Human-Machine Systems, 2019, 49, 388-394.	3.5	12
90	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

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91	Enabling Robots to Infer How End-Users Teach and Learn Through Human-Robot Interaction. IEEE Robotics and Automation Letters, 2019, 4, 1956-1963.	5.1	11
92	Improved Haptic Fidelity Via Reduced Sampling Period With an FPGA-Based Real-Time Hardware Platform. Journal of Computing and Information Science in Engineering, 2009, 9, .	2.7	10
93	Long-term double integration of acceleration for position sensing and frequency domain system identification. , 2010, , .		10
94	On the performance of passivity-based control of haptic displays employing levant's differentiator for velocity estimation. , 2012, , .		10
95	A model matching framework for the synthesis of series elastic actuator impedance control. , 2014, , .		10
96	Tactile feedback of object slip improves performance in a grasp and hold task. , 2014, , .		10
97	A Method for Selecting Velocity Filter Cut-Off Frequency for Maximizing Impedance Width Performance in Haptic Interfaces. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	1.6	10
98	On the Efficacy of Isolating Shoulder and Elbow Movements with a Soft, Portable, and Wearable Robotic Device. Biosystems and Biorobotics, 2017, , 89-93.	0.3	10
99	Passive and Active Discrimination of Natural Frequency of Virtual Dynamic Systems. IEEE Transactions on Haptics, 2009, 2, 40-51.	2.7	9
100	Visual versus haptic progressive guidance for training in a virtual dynamic task. , 2009, , .		9
101	Characterization of a hand-wrist exoskeleton, READAPT, via kinematic analysis of redundant pointing tasks. , 2015, , .		9
102	Separating haptic guidance from task dynamics: A practical solution via cutaneous devices. , 2018, , .		9
103	Compact and low-cost tendon vibrator for inducing proprioceptive illusions. , 2009, , .		8
104	Design of a low-cost series elastic actuator for multi-robot manipulation. , 2011, , .		8
105	Reconstructing surface EMG from scalp EEG during myoelectric control of a closed looped prosthetic device. , 2013, 2013, 5602-5.		8
106	A pre-clinical framework for neural control of a therapeutic upper-limb exoskeleton. , 2013, , 1159-1162.		8
107	White matter changes in corticospinal tract associated with improvement in arm and hand functions in incomplete cervical spinal cord injury: pilot case series. Spinal Cord Series and Cases, 2017, 3, 17028.	0.6	8
108	Effect of Interference on Multi-Sensory Haptic Perception of Stretch and Squeeze. , 2019, , .		8

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109	Myoelectric control and neuromusculoskeletal modeling: Complementary technologies for rehabilitation robotics. <i>Current Opinion in Biomedical Engineering</i> , 2021, 19, 100313.	3.4	8
110	Effects of magnitude and phase cues on human motor adaptation. , 2009, , .		7
111	Validation of a smooth movement model for a human reaching task. , 2009, , .		7
112	Dynamic displacement sensing, system identification, and control of a speaker-based tendon vibrator via accelerometers. <i>IEEE/ASME Transactions on Mechatronics</i> , 2013, 18, 812-817.	5.8	7
113	A cable-based series elastic actuator with conduit sensor for wearable exoskeletons. , 2017, , .		7
114	Characterization of surface electromyography patterns of healthy and incomplete spinal cord injury subjects interacting with an upper-extremity exoskeleton. , 2017, 2017, 164-169.		7
115	The Rice Haptic Rocker: Comparing Longitudinal and Lateral Upper-Limb Skin Stretch Perception. <i>Lecture Notes in Computer Science</i> , 2018, , 125-134.	1.3	7
116	Functionally biarticular control for smart prosthetics. , 2009, , .		6
117	Analysis and comparison of low cost gaming controllers for motion analysis. , 2010, , .		6
118	Estimating anatomical wrist joint motion with a robotic exoskeleton. , 2017, 2017, 1437-1442.		6
119	Toward training surgeons with motion-based feedback: Initial validation of smoothness as a measure of motor learning. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2017, 61, 1531-1535.	0.3	6
120	Reflection on System Dynamics Principles Improves Student Performance in Haptic Paddle Labs. <i>IEEE Transactions on Education</i> , 2018, 61, 245-252.	2.4	6
121	A Cutaneous Haptic Cue Characterization Testbed. , 2019, , .		6
122	Importance of Wrist Movement Direction in Performing Activities of Daily Living Efficiently. , 2020, 2020, 3174-3177.		6
123	In the Fundamentals of Endovascular and Vascular Surgery model motion metrics reliably differentiate competency. <i>Journal of Vascular Surgery</i> , 2020, 72, 2161-2165.	1.1	6
124	Effect of Tactile Masking on Multi-Sensory Haptic Perception. <i>IEEE Transactions on Haptics</i> , 2022, 15, 212-221.	2.7	6
125	Improved Haptic Fidelity via Reduced Sampling Period With an FPGA-Based Real-Time Hardware Platform. , 2007, , .		5
126	Interaction Control for Rehabilitation Robotics via a Low-Cost Force Sensing Handle. , 2013, , .		5

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127	Single limb cable driven wearable robotic device for upper extremity movement support after traumatic brain injury. Journal of Rehabilitation and Assistive Technologies Engineering, 2021, 8, 205566832110024.	0.9	5
128	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
129	Effect of Robotic Exoskeleton Motion Constraints on Upper Limb Muscle Synergies: A Case Study. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 2086-2095.	4.9	5
130	A Textile-Based Approach to Wearable Haptic Devices. , 2022, , .		5
131	Intermittency of slow arm movements increases in distal direction. , 2009, , .		4
132	Implementing Haptic Feedback Environments from High-Level Descriptions. , 2009, , .		4
133	A low cost vibrotactile array to manage respiratory motion. , 2009, , .		4
134	Effect of progressive visual error amplification on human motor adaptation. , 2011, 2011, 5975399.		4
135	Motor Skill Acquisition in a Virtual Gaming Environment. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 2148-2152.	0.3	4
136	Compliant force-feedback actuation for accurate robot-mediated sensorimotor interaction protocols during fMRI. , 2014, , .		4
137	Vary Slow Motion: Effect of Task Forces on Movement Variability and Implications for a Novel Skill Augmentation Mechanism. IEEE Robotics and Automation Magazine, 2014, 21, 115-122.	2.0	4
138	Improving the retention of motor skills after reward-based reinforcement by incorporating haptic guidance and error augmentation. , 2016, , .		4
139	The effect of robot dynamics on smoothness during wrist pointing. , 2017, 2017, 597-602.		4
140	Design of an assistive, glove-based exoskeleton. , 2017, , .		4
141	Spatially Separated Cutaneous Haptic Guidance for Training of a Virtual Sensorimotor Task. , 2020, , .		4
142	Evaluating the Effect of Stimulus Duration on Vibrotactile Cue Localizability With a Tactile Sleeve. IEEE Transactions on Haptics, 2021, 14, 328-334.	2.7	4
143	Snaptics: Low-Cost Open-Source Hardware for Wearable Multi-Sensory Haptics. , 2021, , .		4
144	Disturbance Observer Based Closed Loop Force Control for Haptic Feedback. , 2007, , .		4

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145	Passive and Active Kinesthetic Perception Just-noticeable-difference for Natural Frequency of Virtual Dynamic Systems. , 2008, , .		3
146	Interaction Control of a Non-Backdriveable MR-Compatible Actuator Through Series Elasticity. , 2013, , .		3
147	Proportional sEMG Based Robotic Assistance in an Isolated Wrist Movement. , 2015, , .		3
148	A Ball and Beam Module for a Haptic Paddle Education Platform. , 2017, , .		3
149	A Bowden Cable-Based Series Elastic Actuation Module for Assessing the Human Wrist. , 2018, , .		3
150	Haptic Feedback Based on Movement Smoothness Improves Performance in a Perceptual-Motor Task. IEEE Transactions on Haptics, 2022, 15, 382-391.	2.7	3
151	Design of a Haptic Arm Exoskeleton for Training and Rehabilitation. , 2004, , 1011.		2
152	Shared Control for Upper Extremity Rehabilitation in Virtual Environments. , 2005, , 1673.		2
153	Co-presentation of force cues for skill transfer via shared-control systems. , 2010, , .		2
154	Work in progress — Implementing and evaluating efforts to engage interdisciplinary teams to solve real-world design challenges. , 2011, , .		2
155	Rate of human motor adaptation under varying system dynamics. , 2011, , .		2
156	Modeling Basic Aspects of Cyber-Physical Systems, Part II (Extended Abstract). , 2014, , .		2
157	Design of a parallel-group balanced controlled trial to test the effects of assist-as-needed robotic therapy. , 2015, , .		2
158	Cycloidal Geartrain In-Use Efficiency Study. , 2018, , .		2
159	Velocity-Domain Motion Quality Measures for Surgical Performance Evaluation and Feedback. Journal of Medical Devices, Transactions of the ASME, 2021, 15, .	0.7	2
160	A Lyapunov Approach for SOSM Based Velocity Estimation and Its Application to Improve Bilateral Teleoperation Performance. , 2011, , .		2
161	Human-Scale Motion Capture with an Accelerometer-Based Gaming Controller. Journal of Robotics and Mechatronics, 2013, 25, 458-465.	1.0	2
162	Design and Characterization of a Passive Instrumented Hand. ASME Letters in Dynamic Systems and Control, 2021, 1, .	0.7	2

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163	Towards Automated Performance Assessment using Velocity-based Motion Quality Metrics. , 2020, , .		2
164	Current Challenges in the Control of Haptic Interfaces and Bilateral Teleoperation Systems. , 2003, , 743.		1
165	Special Issue on Novel Robotics and Control. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2006, 128, 1-2.	1.6	1
166	A Preliminary ACT-R Model of a Continuous Motor Task. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 1037-1041.	0.3	1
167	On the correlation between motion data captured from low-cost gaming controllers and high precision encoders. , 2012, 2012, 4529-32.		1
168	A bio-inspired algorithm for identifying unknown kinematics from a discrete set of candidate models by using collision detection. , 2016, , .		1
169	Closure to "Discussion of "A Review of Intent Detection, Arbitration, and Communication Aspects of Shared Control for Physical Human-Robot Interaction" (Losey, D. P., McDonald, C. G., Battaglia, E.,) Tj ETQđđ.1 0.784314 rgB	0.1	0
170	Improving short-term retention after robotic training by leveraging fixed-gain controllers. Journal of Rehabilitation and Assistive Technologies Engineering, 2019, 6, 205566831986631.	0.9	1
171	The Influence of Cue Presentation Velocity on Skin Stretch Perception. , 2019, , .		1
172	Effects of Interfering Cue Separation Distance and Amplitude on the Haptic Detection of Skin Stretch. IEEE Transactions on Haptics, 2021, 14, 254-259.	2.7	1
173	Electromyographic Classification to Control the SPAR Glove. IFAC-PapersOnLine, 2021, 54, 244-250.	0.9	1
174	Comparing Manual and Robotic-Assisted Carotid Artery Stenting Using Motion-Based Performance Metrics. , 2021, 2021, 1388-1391.		1
175	Towards Just Noticeable Differences for Natural Frequency of Manually Excited Virtual Dynamic Systems. , 2007, , .		0
176	Special Issue on Haptics, Tactile and Multimodal Interfaces. Journal of Computing and Information Science in Engineering, 2009, 9, .	2.7	0
177	Message from the symposium chairs. , 2012, , .		0
178	A Method for Selecting Velocity Filter Cutoff Frequency for Maximizing Impedance Width Performance in Haptic Interfaces. , 2013, , .		0
179	Message from the symposium chairs. , 2014, , .		0
180	A Robotic Platform for 3D Forelimb Rehabilitation with Rats. , 2019, 2019, 429-434.		0

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181	Transparency Extension in Haptic Interfaces via Adaptive Dynamics Cancellation. , 2005, , .		0
182	Virtual Lab for System Identification of an Electromechanical System. , 2005, , .		0
183	Vision Based Force Sensing for Nanorobotic Manipulation. , 2006, , .		0
184	Experimental System Identification of Force Reflecting Hand Controller. , 2006, , .		0
185	A Fully Automated System for the Preparation of Samples for Cryo-Electron Microscopy. , 2010, , .		0