

Aiguo Song

List of Publications by Year in descending order

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305
papers

4,116
citations

168829

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all docs

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docs citations

313
times ranked

3898
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Finite-Time Control Scheme for Teleoperation With Time-Varying Delay and Uncertainties. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1552-1566.	5.9	19
2	Detecting Dynamic Behavior of Brain Fatigue Through 3-D-CNN-LSTM. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 90-100.	5.9	29
3	Hybrid neural network model for large-scale heterogeneous classification tasks in few-shot learning. Visual Computer, 2022, 38, 719-728.	2.5	2
4	Human-Exploratory-Procedure-Based Hybrid Measurement Fusion for Material Recognition. IEEE/ASME Transactions on Mechatronics, 2022, 27, 1093-1104.	3.7	16
5	Sliding Mode Impedance Control for Dual Hand Master Single Slave Teleoperation Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 25500-25508.	4.7	4
6	ROpenPose: A Rapider OpenPose Model for Astronaut Operation Attitude Detection. IEEE Transactions on Industrial Electronics, 2022, 69, 1043-1052.	5.2	16
7	Study on the hydrodynamics of carangiform swimming in a narrow channel. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2022, 46, 805-816.	0.8	2
8	Bilateral Weighted Regression Ranking Model With Spatial-Temporal Correlation Filter for Visual Tracking. IEEE Transactions on Multimedia, 2022, 24, 2098-2111.	5.2	15
9	Scalable Gamma-Driven Multilayer Network for Brain Workload Detection Through Functional Near-Infrared Spectroscopy. IEEE Transactions on Cybernetics, 2022, 52, 12464-12478.	6.2	7
10	Engagement Enhancement Based on Bayesian Optimization for Adaptive Assist-as-Needed Controller. IEEE Robotics and Automation Letters, 2022, 7, 49-56.	3.3	3
11	Theoretical estimation on electrical conductivity, synergy effect and piezoresistive behavior for nanocomposites with hybrid carbon nanotube/graphene based on modified Bethe lattice method. Computational Materials Science, 2022, 202, 110986.	1.4	5
12	Cascade predictor for a class of mechanical systems under large uncertain measurement delays. Mechanical Systems and Signal Processing, 2022, 167, 108536.	4.4	7
13	Deep Convolutional Networks With Tunable Speed—Accuracy Tradeoff for Human Activity Recognition Using Wearables. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	11
14	A Lightweight Accessible Wearable Robotic Interface for Bimanual Haptic Manipulations. IEEE Transactions on Haptics, 2022, 15, 85-90.	1.8	3
15	Development of an Integrated Haptic Sensor System for Multimodal Human—Computer Interaction Using Ultrasonic Array and Cable Robot. IEEE Sensors Journal, 2022, 22, 4634-4643.	2.4	9
16	Triple Cross-Domain Attention on Human Activity Recognition Using Wearable Sensors. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 1167-1176.	3.4	44
17	Intuitive Environmental Perception Assistance for Blind Amputees Using Spatial Audio Rendering. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 274-284.	2.1	6
18	Crab-inspired compliant leg design method for adaptive locomotion of a multi-legged robot. Bioinspiration and Biomimetics, 2022, 17, 025001.	1.5	13

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19	Deformable Convolutional Networks for Multimodal Human Activity Recognition Using Wearable Sensors. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	2.4	14
20	Brain-Computer Interface Using Brain Power Map and Cognition Detection Network During Flight. IEEE/ASME Transactions on Mechatronics, 2022, 27, 3942-3952.	3.7	18
21	Improving Autonomous Behavior Strategy Learning in an Unmanned Swarm System Through Knowledge Enhancement. IEEE Transactions on Reliability, 2022, 71, 763-774.	3.5	5
22	Continuous Hybrid BCI Control for Robotic Arm Using Noninvasive Electroencephalogram, Computer Vision, and Eye Tracking. Mathematics, 2022, 10, 618.	1.1	26
23	Motion Simulation and Human-Computer Interaction System for Lunar Exploration. Applied Sciences (Switzerland), 2022, 12, 2312.	1.3	2
24	Design of a Haptic Interface Based on Cable Robot and Ultrasonic Transducers Array. , 2022, , .		0
25	Flexible and Wireless Normal-Tangential Force Sensor Based on Resonant Mechanism for Robotic Gripping Applications. Advanced Materials Technologies, 2022, 7, .	3.0	5
26	Highly stretchable and sensitive flexible resistive strain sensor based on waterborne polyurethane polymer for wearable electronics. Composites Science and Technology, 2022, 221, 109355.	3.8	38
27	A weighted range-free localization algorithm for irregular multihop networks. International Journal of Communication Systems, 2022, 35, .	1.6	3
28	A Primary Study: Automatic Ultrasound Acquisition System Based on Visual Servo. , 2022, , .		0
29	An Instrumented Wheel-On-Limb System of Planetary Rovers for Wheel-Terrain Interactions: System Conception and Preliminary Design. , 2022, , .		2
30	Learn multi-step object sorting tasks through deep reinforcement learning. Robotica, 2022, 40, 3878-3894.	1.3	3
31	Application of Noise Detection Using Confidence Learning in Lightweight Expression Recognition System. Applied Sciences (Switzerland), 2022, 12, 4808.	1.3	1
32	Channel-Equalization-HAR: A Light-weight Convolutional Neural Network for Wearable Sensor Based Human Activity Recognition. IEEE Transactions on Mobile Computing, 2022, , 1-1.	3.9	36
33	Trajectory prediction based on conditional Hamiltonian generative network for incomplete observation image sequences. Complex & Intelligent Systems, 2022, 8, 5439-5448.	4.0	1
34	Robotic Multifinger Grasping State Recognition Based on Adaptive Multikernel Dictionary Learning. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	2.4	13
35	A force-sensing retractor for robot-assisted transoral surgery. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 2001-2010.	1.7	2
36	Exploring Biomimetic Stiffness Modulation and Wearable Finger Haptics for Improving Myoelectric Control of Virtual Hand. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1601-1611.	2.7	4

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37	StereoPilot: A Wearable Target Location System for Blind and Visually Impaired Using Spatial Audio Rendering. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2022, 30, 1621-1630.	2.7	11
38	A universal emotion recognition method based on feature priority evaluation and classifier reinforcement. <i>International Journal of Machine Learning and Cybernetics</i> , 2022, 13, 3225-3237.	2.3	4
39	A sweeping and grinding combined hybrid sampler for asteroid sample return mission. <i>Acta Astronautica</i> , 2022, 198, 329-346.	1.7	10
40	Understanding and Improving Channel Attention for Human Activity Recognition by Temporal-Aware and Modality-Aware Embedding. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-12.	2.4	4
41	Finger Movement Recognition via High-Density Electromyography of Intrinsic and Extrinsic Hand Muscles. <i>Scientific Data</i> , 2022, 9, .	2.4	8
42	Novel Adaptive Finite-Time Control of Teleoperation System With Time-Varying Delays and Input Saturation. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 3724-3737.	6.2	28
43	A Simplified Model for Simulating Population Responses of Tactile Afferents and Receptors in the Skin. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 556-567.	2.5	2
44	Multiple source domain adaptation in micro-expression recognition. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 8371-8386.	3.3	8
45	Physiological-signal-based emotion recognition: An odyssey from methodology to philosophy. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 172, 108747.	2.5	42
46	An ultrafast response and precisely controllable soft electromagnet actuator based on Ecoflex rubber film filled with neodymium-iron-boron. <i>Journal of Micromechanics and Microengineering</i> , 2021, 31, 025010.	1.5	4
47	Collaborative-Set Measurement for ECG-Based Human Identification. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-8.	2.4	7
48	Optimized Design for Cable-Driven Shoulder-Elbow Exoskeleton Robot. <i>IEEE Access</i> , 2021, , 1-1.	2.6	4
49	Decoding Hand Movement Types and Kinematic Information From Electroencephalogram. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 1744-1755.	2.7	6
50	Closed-Loop Phase-Dependent Vibration Stimulation Improves Motor Imagery-Based Brain-Computer Interface Performance. <i>Frontiers in Neuroscience</i> , 2021, 15, 638638.	1.4	13
51	Deep Neural Networks for Sensor-Based Human Activity Recognition Using Selective Kernel Convolution. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-13.	2.4	43
52	Optimal strategy of sEMG feature and measurement position for grasp force estimation. <i>PLoS ONE</i> , 2021, 16, e0247883.	1.1	5
53	Force Display and Tactile Display of Color Image Texture. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2021, 35, 2154023.	0.7	0
54	A Cable-Driven Three-DOF Wrist Rehabilitation Exoskeleton With Improved Performance. <i>Frontiers in Neurorobotics</i> , 2021, 15, 664062.	1.6	13

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55	Fabrication and experimental characterization of precise high-efficiency 2D multi-mode fiber array coupler. <i>Optical Fiber Technology</i> , 2021, 63, 102488.	1.4	1
56	Development of a Low-Cost Wearable Data Glove for Capturing Finger Joint Angles. <i>Micromachines</i> , 2021, 12, 771.	1.4	9
57	Research on gear fault diagnosis based on feature fusion optimization and improved two hidden layer extreme learning machine. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 177, 109317.	2.5	22
58	The nonlinear synergistic enhancement electric conductive effect in polymer-matrix composites containing hybrid fillers of carbon nanotubes and graphene nanoplatelets. <i>Computational Materials Science</i> , 2021, 194, 110458.	1.4	6
59	Experimental Analysis on the Effectiveness of Kinematic Error Compensation Methods for Serial Industrial Robots. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-9.	0.6	2
60	Robust Continuous Hand Motion Recognition Using Wearable Array Myoelectric Sensor. <i>IEEE Sensors Journal</i> , 2021, 21, 20596-20605.	2.4	8
61	Decoding Different Reach-and-Grasp Movements Using Noninvasive Electroencephalogram. <i>Frontiers in Neuroscience</i> , 2021, 15, 684547.	1.4	8
62	Bilateral motion prediction and control for teleoperation under long time-varying delays. <i>ISA Transactions</i> , 2021, 115, 61-70.	3.1	5
63	Highly sensitive resistance-type flexible pressure sensor for cuffless blood-pressure monitoring by using neural network techniques. <i>Composites Part B: Engineering</i> , 2021, 226, 109365.	5.9	19
64	A Geometric Folding Pattern for Robot Coverage Path Planning. , 2021, , .		5
65	Real-time Robot Path Planning using Rapid Visible Tree. , 2021, , .		2
66	Underwater multilateral tele-operation control with constant time delays. <i>Computers and Electrical Engineering</i> , 2021, 96, 107473.	3.0	6
67	Development and Evaluation of an Adaptive Multi-DOF Finger with Mechanical-Sensor Integrated for Prosthetic Hand. <i>Micromachines</i> , 2021, 12, 33.	1.4	6
68	Multi-Mode Haptic Display of Image Based on Force and Vibration Tactile Feedback Integration. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2021, 35, 2154017.	0.7	1
69	Research on the Method of Displaying the Contour Features of Image to the Visually Impaired on the Touch Screen. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 2260-2270.	2.7	3
70	Electroencephalogram Source Imaging and Brain Network Based Natural Grasps Decoding. <i>Frontiers in Neuroscience</i> , 2021, 15, 797990.	1.4	3
71	A New PIS Accelerator for Text Searching. , 2021, , .		0
72	Fabrication of refractive silicon microlens array with a large focal number and accurate lens profile. <i>Microsystem Technologies</i> , 2020, 26, 1159-1166.	1.2	4

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73	Accurate Analytical-Based Multi-Hop Localization With Low Energy Consumption for Irregular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 2021-2033.	3.9	10
74	Real-time Continuous Hand Motion Myoelectric Decoding by Automated Data Labeling. , 2020, , .		10
75	Haptic Interface Device Using Cable Tension Based on Ultrasonic Phased Array. IEEE Access, 2020, 8, 162880-162891.	2.6	7
76	Model-Based Load Characteristics Analysis of the Multi-Dimensional Force Sensor. IEEE Access, 2020, 8, 116431-116440.	2.6	5
77	2D Self-Deployment of A Jumping Sensor Network. , 2020, , .		1
78	Design and Implementation of an Inspection Robot for Non-Destructive Testing of Aluminum Conductor Composite Core Wires. , 2020, , .		1
79	Feel the inside: A haptic interface for navigating stress distribution inside objects. Visual Computer, 2020, 36, 2445-2456.	2.5	0
80	Tractor Assistant Driving Control Method Based on EEG Combined With RNN-TL Deep Learning Algorithm. IEEE Access, 2020, 8, 163269-163279.	2.6	22
81	A Testing Platform for Flapping-Wing Robots. , 2020, , .		1
82	Active Motion Control of a Knee Exoskeleton Driven by Antagonistic Pneumatic Muscle Actuators. Actuators, 2020, 9, 134.	1.2	15
83	Recovering Walking Trajectories from Local Measurements and Inertia Data. Mathematical Problems in Engineering, 2020, 2020, 1-11.	0.6	0
84	A study of the appropriateness, geometry, size, and fillers boundary restraint on representative volume element in electrical simulation for carbon-based nanocomposites. Materials Today Communications, 2020, 25, 101639.	0.9	3
85	Toward Measuring Target Perception: First-Order and Second-Order Deep Network Pipeline for Classification of Fixation-Related Potentials. Journal of Healthcare Engineering, 2020, 2020, 1-15.	1.1	0
86	Emotional State Recognition from Peripheral Physiological Signals Using Fused Nonlinear Features and Team-Collaboration Identification Strategy. Entropy, 2020, 22, 511.	1.1	16
87	LineSpyX: A Power Line Inspection Robot Based on Digital Radiography. IEEE Robotics and Automation Letters, 2020, 5, 4759-4765.	3.3	28
88	Motor Imagery Based Continuous Teleoperation Robot Control with Tactile Feedback. Electronics (Switzerland), 2020, 9, 174.	1.8	29
89	Predictions of electrical percolation of graphene-based nanocomposites by the three-dimensional Monte Carlo simulation. Journal of Applied Polymer Science, 2020, 137, 48999.	1.3	4
90	sEMG Measurement Position and Feature Optimization Strategy for Gesture Recognition Based on ANOVA and Neural Networks. IEEE Access, 2020, 8, 56290-56299.	2.6	15

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91	Study on hydrodynamics of a flexible fishlike foil undulating in wall effect. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020, 14, 593-606.	1.5	3
92	Fisher Information Matrix of Unipolar Activation Function-Based Multilayer Perceptrons. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 3088-3098.	6.2	9
93	Uncertainty Estimation of Robot Geometric Parameters and End-Effector Position Based on New Generation GPS. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-11.	0.6	4
94	Interested Object Detection based on Gaze using Low-cost Remote Eye Tracker. , 2019, , .		6
95	Electrical percolation of silicone rubber filled by carbon black and carbon nanotubes researched by the Monte Carlo simulation. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48222.	1.3	9
96	Time delay compensation for nonlinear bilateral teleoperation: A motion prediction approach. <i>Transactions of the Institute of Measurement and Control</i> , 2019, 41, 4488-4498.	1.1	10
97	Vanishing point detection in corridor for autonomous mobile robots using monocular low-resolution fisheye vision. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401988476.	0.8	2
98	Phase Synchronization Information for Classifying Motor Imagery EEG From the Same Limb. <i>IEEE Access</i> , 2019, 7, 153842-153852.	2.6	18
99	Constrained Control for Cloud Robotic Under Time Delay Based on Command Governor With Interval Estimation. <i>IEEE Access</i> , 2019, 7, 70999-71006.	2.6	4
100	Performance Evaluation of a Hollowed Multi-Drum Magnetorheological Brake Based on Finite Element Analysis Considering Hollow Casing Radius. <i>IEEE Access</i> , 2019, 7, 96070-96078.	2.6	13
101	A Polyetheretherketone Six-Axis Force/Torque Sensor. <i>IEEE Access</i> , 2019, 7, 105391-105401.	2.6	12
102	Multi-dimensional force sensor for haptic interaction: a review. <i>Virtual Reality & Intelligent Hardware</i> , 2019, 1, 121-135.	1.8	31
103	A novel backstepping adaptive impedance control for an upper limb rehabilitation robot. <i>Computers and Electrical Engineering</i> , 2019, 80, 106465.	3.0	16
104	A highly adhesive flexible strain sensor based on ultra-violet adhesive filled by graphene and carbon black for wearable monitoring. <i>Composites Science and Technology</i> , 2019, 182, 107771.	3.8	28
105	Study on motion performance of robot-aided passive rehabilitation exercises using novel dynamic motion planning strategy. <i>International Journal of Advanced Robotic Systems</i> , 2019, 16, 172988141987323.	1.3	0
106	Development of a Novel Home Based Multi-Scene Upper Limb Rehabilitation Training and Evaluation System for Post-Stroke Patients. <i>IEEE Access</i> , 2019, 7, 9667-9677.	2.6	33
107	Development of a Multidirectional Controlled Small-Scale Spherical MR Actuator for Haptic Applications. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019, 24, 1597-1607.	3.7	23
108	FW-Touch: A Finger Wearable Haptic Interface with a MR Foam Actuator for Displaying Surface Material Properties on a Touch Screen. <i>IEEE Transactions on Haptics</i> , 2019, 12, 1-1.	1.8	11

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109	Follow the Smoke: Immersive Display of Motion Data With Synthesized Smoke. IEEE Computer Graphics and Applications, 2019, 39, 86-94.	1.0	1
110	An Extended Proxy-Based Sliding Mode Control of Pneumatic Muscle Actuators. Applied Sciences (Switzerland), 2019, 9, 1571.	1.3	18
111	The Advantage of Low-Delta Electroencephalogram Phase Feature for Reconstructing the Center-Out Reaching Hand Movements. Frontiers in Neuroscience, 2019, 13, 480.	1.4	10
112	Predictor-Based Motion Tracking Control for Cloud Robotic Systems with Delayed Measurements. Electronics (Switzerland), 2019, 8, 398.	1.8	8
113	Design and Analysis of Cloud Upper Limb Rehabilitation System Based on Motion Tracking for Post-Stroke Patients. Applied Sciences (Switzerland), 2019, 9, 1620.	1.3	9
114	A Spherical Actuator-Based Hand-Held Haptic Device for Touch Screen Interaction. IEEE Access, 2019, 7, 15125-15139.	2.6	12
115	Improved hopâ€based localisation algorithm for irregular networks. IET Communications, 2019, 13, 520-527.	1.5	12
116	Experimental Study on Upper-Limb Rehabilitation Training of Stroke Patients Based on Adaptive Task Level: A Preliminary Study. BioMed Research International, 2019, 2019, 1-9.	0.9	11
117	Evaluation of a multi-drum magnetorheological brake via finite element analysis considering number of drums and fluid gap selection in optimization. Journal of Intelligent Material Systems and Structures, 2019, 30, 778-787.	1.4	7
118	A hybrid actuator with hollowed multi-drum magnetorheological brake and direct-current micromotor for hysteresis compensation. Journal of Intelligent Material Systems and Structures, 2019, 30, 1031-1042.	1.4	12
119	A Sweeping and Grinding Methods Combined Hybrid Sampler for Asteroid Exploration. , 2019, , .		0
120	Model-Based Load Characteristics Analysis of the Multi-Dimensional Force Sensor. , 2019, , .		2
121	A Novel Robot-Aided Upper Limb Rehabilitation Training System Based on Multimodal Feedback. Frontiers in Robotics and AI, 2019, 6, 102.	2.0	3
122	Analysis and Performance Evaluation of a 3-DOF Wearable Fingertip Device for Haptic Applications. IEEE Access, 2019, 7, 170430-170441.	2.6	5
123	Cable-Driven 4-DOF Upper Limb Rehabilitation Robot. , 2019, , .		4
124	Design and Impedance Control of a Traveling Wave Ultrasonic Motor with a Spherical Rotor. Applied Sciences (Switzerland), 2019, 9, 5083.	1.3	2
125	A Novel Multi-Modal One-Shot Learning Method for Texture Recognition. IEEE Access, 2019, 7, 182538-182547.	2.6	6
126	Wavelet Transform Time-Frequency Image and Convolutional Network-Based Motor Imagery EEG Classification. IEEE Access, 2019, 7, 6084-6093.	2.6	127

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127	Architecture and Design of a Wearable Robotic System for Body Posture Monitoring, Correction, and Rehabilitation Assist. International Journal of Social Robotics, 2019, 11, 423-436.	3.1	17
128	Stereotactic Systems for MRI-Guided Neurosurgeries: A State-of-the-Art Review. Annals of Biomedical Engineering, 2019, 47, 335-353.	1.3	28
129	Semi-Autonomous Robotic Arm Reaching With Hybrid Gazeâ€“Brain Machine Interface. Frontiers in Neurobotics, 2019, 13, 111.	1.6	20
130	A Control System Framework Model for Cloud Robots Based on Service-Oriented Architecture. Lecture Notes in Computer Science, 2019, , 579-588.	1.0	0
131	Adaptive Position and Force Tracking Control in Teleoperation System with Time-Varying Delays. Lecture Notes in Computer Science, 2019, , 613-624.	1.0	1
132	Bilateral Motion Prediction and Tracking Control for Nonlinear Teleoperation System With Time-varying Delays. , 2019, , .		3
133	Translational objects dynamic modeling and correction for point cloud augmented virtual realityâ€“based teleoperation. Advances in Mechanical Engineering, 2018, 10, 168781401775387.	0.8	5
134	MH-Pen: A Pen-type Multi-mode Haptic Interface for Touch Screens Interaction. IEEE Transactions on Haptics, 2018, 11, 1-1.	1.8	18
135	Interference-Aware Wireless Networks for Home Monitoring and Performance Evaluation. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1286-1297.	3.4	9
136	Point cloud augmented virtual reality environment with haptic constraints for teleoperation. Transactions of the Institute of Measurement and Control, 2018, 40, 4091-4104.	1.1	21
137	Modeling and experimental validation of sawing based lander anchoring and sampling methods for asteroid exploration. Advances in Space Research, 2018, 61, 2426-2443.	1.2	17
138	Adaptive logical stochastic resonance in time-delayed synthetic genetic networks. Chaos, 2018, 28, 043117.	1.0	30
139	An optimized BP neural network based on genetic algorithm for static decoupling of a six-axis force/torque sensor. IOP Conference Series: Materials Science and Engineering, 2018, 311, 012002.	0.3	5
140	Virtual exoskeleton-driven uncalibrated visual servoing control for mobile robotic manipulators based on humanâ€“robotâ€“robot cooperation. Transactions of the Institute of Measurement and Control, 2018, 40, 4046-4062.	1.1	2
141	EEG-modulated robotic rehabilitation system for upper extremity. Biotechnology and Biotechnological Equipment, 2018, 32, 795-803.	0.5	6
142	Design of an accurate end-of-arm force display system based on wearable arm gesture sensors and EMG sensors. Information Fusion, 2018, 39, 178-185.	11.7	26
143	Visualizing fuzzy sets using opacity-varying freeform diagrams. Information Visualization, 2018, 17, 146-160.	1.2	1
144	Decentralized adaptive optimal stabilization of nonlinear systems with matched interconnections. Soft Computing, 2018, 22, 2705-2715.	2.1	23

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145	A Multi-Finger Interface with MR Actuators for Haptic Applications. IEEE Transactions on Haptics, 2018, 11, 5-14.	1.8	18
146	Stability analysis of opposite singularity in multilayer perceptrons. Neurocomputing, 2018, 282, 192-201.	3.5	5
147	Outdoor Navigation of a Mobile Robot by Following GPS Waypoints and Local Pedestrian Lane. , 2018, , .		7
148	Mechanical-Sensor Integrated Finger for Prosthetic Hand. , 2018, , .		1
149	Cable-driven Wearable Upper Limb Rehabilitation Robot. , 2018, , .		0
150	Continuous Shared Control for Robotic Arm Reaching Driven by a Hybrid Gaze-Brain Machine Interface. , 2018, , .		5
151	Dynamic Characteristics Analysis of the Six-Axis Force/Torque Sensor. Journal of Sensors, 2018, 2018, 1-11.	0.6	9
152	Trajectory Tracking and Obstacle Avoidance Control of Unmanned Underwater Vehicles Based on MPC. , 2018, , .		6
153	Experiments and assessments of a 3-DOF haptic device for interactive operation. Eurasip Journal on Image and Video Processing, 2018, 2018, .	1.7	2
154	A Low Cost Surface EMG Sensor Network for Hand Motion Recognition. , 2018, , .		6
155	DVâ€šop localisation algorithm based on optimal weighted least square in irregular areas. Electronics Letters, 2018, 54, 1243-1245.	0.5	19
156	A Fault Check Graph Approach for Photonic Router in Network on Chip. , 2018, , .		4
157	Adaptive Neural Fuzzy Inference System Disturbance Observer-Based Control for Reaching Movement of Musculoskeletal Arm Model. IEEE Access, 2018, 6, 73030-73040.	2.6	1
158	Influence Area of Overlap Singularity in Multilayer Perceptrons. IEEE Access, 2018, 6, 60214-60223.	2.6	6
159	Design and evaluation of a small-scale multi-drum magnetorheological brake. Journal of Intelligent Material Systems and Structures, 2018, 29, 2607-2618.	1.4	30
160	Adaptive Finite-Time Synchronization Control for Teleoperation System With Varying Time Delays. IEEE Access, 2018, 6, 40940-40949.	2.6	14
161	Realizing reliable logical stochastic resonance under colored noise by adding periodic force. Physica A: Statistical Mechanics and Its Applications, 2018, 503, 958-968.	1.2	24
162	Measurement and Analysis of Upper Limb Reachable Workspace for Post-stroke Patients. Lecture Notes in Computer Science, 2018, , 225-234.	1.0	0

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163	Error modeling of a novel flexible lunar sampler. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2017, 231, 1269-1280.	0.7	0
164	Image-based haptic display via a novel pen-shaped haptic device on touch screens. Multimedia Tools and Applications, 2017, 76, 14969-14992.	2.6	7
165	3D-point-cloud registration and real-world dynamic modelling-based virtual environment building method for teleoperation. Robotica, 2017, 35, 1958-1974.	1.3	6
166	A Novel Human-Robot Cooperative Method for Upper Extremity Rehabilitation. International Journal of Social Robotics, 2017, 9, 265-275.	3.1	27
167	A target grabbing strategy for telerobot based on improved stiffness display device. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 661-667.	8.5	16
168	Position calibration of a 3-DOF hand-controller with hybrid structure. Review of Scientific Instruments, 2017, 88, 095002.	0.6	1
169	A map-based normalized cross correlation algorithm using dynamic template for vision-guided telerobot. Advances in Mechanical Engineering, 2017, 9, 168781401772883.	0.8	2
170	Self-Adaptive Correction of Heading Direction in Stair Climbing for Tracked Mobile Robots Using Visual Servoing Approach. Journal of Physics: Conference Series, 2017, 806, 012005.	0.3	1
171	Robotic arm control using hybrid brain-machine interface and augmented reality feedback. , 2017, , .		10
172	Regularization feature selection projection twin support vector machine via exterior penalty. Neural Computing and Applications, 2017, 28, 683-697.	3.2	6
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