

Xin-Yu Wu

List of Publications by Year in descending order

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187
papers

3,036
citations

159585

30
h-index

223800

46
g-index

187
all docs

187
docs citations

187
times ranked

2331
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconfiguration, Camouflage, and Color-Shifting for Bioinspired Adaptive Hydrogel-Based Millirobots. <i>Advanced Functional Materials</i> , 2020, 30, 1909202.	14.9	153
2	An agglutinate magnetic spray transforms inanimate objects into millirobots for biomedical applications. <i>Science Robotics</i> , 2020, 5, .	17.6	115
3	Image-Based Visual Servoing of Helical Microswimmers for Planar Path Following. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020, 17, 325-333.	5.2	94
4	Academic Review and Perspectives on Robotic Exoskeletons. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 2294-2304.	4.9	80
5	Dynamic Morphology and Swimming Properties of Rotating Miniature Swimmers With Soft Tails. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019, 24, 924-934.	5.8	79
6	Individualized Gait Pattern Generation for Sharing Lower Limb Exoskeleton Robot. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018, 15, 1459-1470.	5.2	78
7	Independent Control Strategy of Multiple Magnetic Flexible Millirobots for Position Control and Path Following. <i>IEEE Transactions on Robotics</i> , 2022, 38, 2875-2887.	10.3	75
8	3-D Path Following of Helical Microswimmers With an Adaptive Orientation Compensation Model. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020, 17, 823-832.	5.2	73
9	Human-in-the-Loop Control of a Wearable Lower Limb Exoskeleton for Stable Dynamic Walking. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 2700-2711.	5.8	66
10	A Review of Deep Learning in Multiscale Agricultural Sensing. <i>Remote Sensing</i> , 2022, 14, 559.	4.0	63
11	Gait Phase Recognition for Lower-Limb Exoskeleton with Only Joint Angular Sensors. <i>Sensors</i> , 2016, 16, 1579.	3.8	62
12	Sequential Magneto-Actuated and Optics-Triggered Biomicrobots for Targeted Cancer Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2008262.	14.9	62
13	Fingertip Three-Axis Tactile Sensor for Multifingered Grasping. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, 20, 1875-1885.	5.8	59
14	Implementation of a Brain-Computer Interface on a Lower-Limb Exoskeleton. <i>IEEE Access</i> , 2018, 6, 38524-38534.	4.2	58
15	Online Dynamic Gesture Recognition for Human Robot Interaction. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2015, 77, 583-596.	3.4	52
16	Effect of Hip Assistance Modes on Metabolic Cost of Walking With a Soft Exoskeleton. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021, 18, 426-436.	5.2	51
17	A Learning-Based Stable Servo Control Strategy Using Broad Learning System Applied for Microrobotic Control. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 13727-13737.	9.5	50
18	Optimal Sensor Placement for 3-D Time-of-Arrival Target Localization. <i>IEEE Transactions on Signal Processing</i> , 2019, 67, 5018-5031.	5.3	44

#	ARTICLE	IF	CITATIONS
19	A Real-Time Human Imitation System Using Kinect. International Journal of Social Robotics, 2015, 7, 587-600.	4.6	43
20	Magnetic Soft Robot With the Triangular Headâ€Tail Morphology Inspired By Lateral Undulation. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2688-2699.	5.8	43
21	Multimodal Locomotion Control of Needle-Like Microrobots Assembled by Ferromagnetic Nanoparticles. IEEE/ASME Transactions on Mechatronics, 2022, 27, 4327-4338.	5.8	43
22	Evolution Strategies Learning With Variable Impedance Control for Grasping Under Uncertainty. IEEE Transactions on Industrial Electronics, 2019, 66, 7788-7799.	7.9	42
23	Vision-Assisted Autonomous Lower-Limb Exoskeleton Robot. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3759-3770.	9.3	42
24	Deep Spatial-Temporal Model for rehabilitation gait: optimal trajectory generation for knee joint of lower-limb exoskeleton. Assembly Automation, 2017, 37, 369-378.	1.7	36
25	Development of a novel autonomous lower extremity exoskeleton robot for walking assistance. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 318-329.	2.6	35
26	A Novel Motion Intention Recognition Approach for Soft Exoskeleton via IMU. Electronics (Switzerland), 2020, 9, 2176.	3.1	35
27	Visual Servoing of Miniature Magnetic Film Swimming Robots for 3-D Arbitrary Path Following. IEEE Robotics and Automation Letters, 2019, 4, 4185-4191.	5.1	34
28	Iterative Learning Control for a Soft Exoskeleton with Hip and Knee Joint Assistance. Sensors, 2020, 20, 4333.	3.8	34
29	Tethered and Untethered 3D Microactuators Fabricated by Two-Photon Polymerization: A Review. Micromachines, 2021, 12, 465.	2.9	33
30	Coordination Control of a Dual-Arm Exoskeleton Robot Using Human Impedance Transfer Skills. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 954-963.	9.3	32
31	A Lower Limb Exoskeleton With Rigid and Soft Structure for Loaded Walking Assistance. IEEE Robotics and Automation Letters, 2022, 7, 454-461.	5.1	32
32	Navigation and Visual Feedback Control for Magnetically Driven Helical Miniature Swimmers. IEEE Transactions on Industrial Informatics, 2020, 16, 477-487.	11.3	31
33	Surveillance Robot Utilizing Video and Audio Information. Journal of Intelligent and Robotic Systems: Theory and Applications, 2009, 55, 403-421.	3.4	29
34	Local Discriminant Subspace Learning for Gas Sensor Drift Problem. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 247-259.	9.3	28
35	Self-Supervised Multiscale Adversarial Regression Network for Stereo Disparity Estimation. IEEE Transactions on Cybernetics, 2021, 51, 4770-4783.	9.5	27
36	Self-positioning for UAV indoor navigation based on 3D laser scanner, UWB and INS. , 2016, , .		26

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37	3-D Autonomous Manipulation System of Helical Microswimmers With Online Compensation Update. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1380-1391.	5.2	26
38	Ergonomic Mechanical Design and Assessment of a Waist Assist Exoskeleton for Reducing Lumbar Loads During Lifting Task. Micromachines, 2019, 10, 463.	2.9	25
39	Design and analysis of a novel 12-DOF self-balancing lower extremity exoskeleton for walking assistance. Mechanism and Machine Theory, 2022, 167, 104519.	4.5	25
40	Hierarchical activity discovery within spatio-temporal context for video anomaly detection. , 2013, , .		23
41	A Novel Lightweight Wearable Soft Exosuit for Reducing the Metabolic Rate and Muscle Fatigue. Biosensors, 2021, 11, 215.	4.7	23
42	Movement Control and Attitude Adjustment of Climbing Robot on Flexible Surfaces. IEEE Transactions on Industrial Electronics, 2018, 65, 2618-2628.	7.9	22
43	The Multiobjective Based Large-Scale Electric Vehicle Charging Behaviours Analysis. Complexity, 2018, 2018, 1-16.	1.6	22
44	Automatic Quantification of Subsurface Defects by Analyzing Laser Ultrasonic Signals Using Convolutional Neural Networks and Wavelet Transform. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 3216-3225.	3.0	22
45	Design and Characteristics of 3D Magnetically Steerable Guidewire System for Minimally Invasive Surgery. IEEE Robotics and Automation Letters, 2022, 7, 4040-4046.	5.1	22
46	Development and experimental evaluation of multi-fingered robot hand with adaptive impedance control for unknown environment grasping. Robotica, 2016, 34, 1168-1185.	1.9	21
47	Online Gait Planning of Lower-Limb Exoskeleton Robot for Paraplegic Rehabilitation Considering Weight Transfer Process. IEEE Transactions on Automation Science and Engineering, 2021, 18, 414-425.	5.2	21
48	A Flexible Lower Extremity Exoskeleton Robot with Deep Locomotion Mode Identification. Complexity, 2018, 2018, 1-9.	1.6	20
49	Real-Time Crop Recognition in Transplanted Fields With Prominent Weed Growth: A Visual-Attention-Based Approach. IEEE Access, 2019, 7, 185310-185321.	4.2	20
50	Double-Modal Locomotion and Application of Soft Cruciform Thin-Film Microrobot. IEEE Robotics and Automation Letters, 2020, 5, 806-812.	5.1	20
51	Locomotion Mode Identification and Gait Phase Estimation for Exoskeletons During Continuous Multilocomotion Tasks. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 45-56.	3.8	19
52	Gait Phase Classification for a Lower Limb Exoskeleton System Based on a Graph Convolutional Network Model. IEEE Transactions on Industrial Electronics, 2022, 69, 4999-5008.	7.9	19
53	Swimming Characteristics of Bioinspired Helical Microswimmers Based on Soft Lotus-Root Fibers. Micromachines, 2017, 8, 349.	2.9	18
54	Development of a lower limb multi-joint assistance soft exosuit. Science China Information Sciences, 2020, 63, 1.	4.3	17

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55	A 3D object recognition and pose estimation system using deep learning method. , 2014, , .		16
56	Deep rehabilitation gait learning for modeling knee joints of lower-limb exoskeleton. , 2016, , .		16
57	Gait trajectory prediction for lower-limb exoskeleton based on Deep Spatial-Temporal Model (DSTM). , 2017, , .		16
58	Tactile Surface Roughness Categorization With Multineuron Spike Train Distance. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1835-1845.	5.2	16
59	A REVIEW ON HUMANâ€™EXOSKELETON COORDINATION TOWARDS LOWER LIMB ROBOTIC EXOSKELETON SYSTEMS. International Journal of Robotics and Automation, 2019, 34, .	0.1	16
60	Design and Voluntary Motion Intention Estimation of a Novel Wearable Full-Body Flexible Exoskeleton Robot. Mobile Information Systems, 2017, 2017, 1-11.	0.6	15
61	Hydrophobicity Influence on Swimming Performance of Magnetically Driven Miniature Helical Swimmers. Micromachines, 2019, 10, 175.	2.9	15
62	An Optimal Design of an Electromagnetic Actuation System towards a Large Homogeneous Magnetic Field and Accessible Workspace for Magnetic Manipulation. Energies, 2020, 13, 911.	3.1	15
63	A Manufacturing-Oriented Intelligent Vision System Based on Deep Neural Network for Object Recognition and 6D Pose Estimation. Frontiers in Neurorobotics, 2020, 14, 616775.	2.8	15
64	Biomechatronic design and control of an anthropomorphic artificial hand for prosthetic applications. Robotica, 2016, 34, 2291-2308.	1.9	14
65	A magnetically controlled soft miniature robotic fish with a flexible skeleton inspired by zebrafish. Bioinspiration and Biomimetics, 2021, 16, 065004.	2.9	14
66	A novel feature extracting method for dynamic gesture recognition based on support vector machine. , 2014, , .		13
67	SIAT-WEXv2: A Wearable Exoskeleton for Reducing Lumbar Load during Lifting Tasks. Complexity, 2020, 2020, 1-12.	1.6	13
68	Dynamic gesture recognition using 3D trajectory. , 2014, , .		12
69	Gait phase prediction for lower limb exoskeleton robots. , 2016, , .		12
70	Neighborhood Preserving and Weighted Subspace Learning Method for Drift Compensation in Gas Sensor. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3530-3541.	9.3	12
71	Online adaptive dictionary learning and weighted sparse coding for abnormality detection. , 2013, , .		11
72	Image-based visual servoing of helical microswimmers for arbitrary planar path following at low reynolds numbers. , 2017, , .		11

#	ARTICLE	IF	CITATIONS
73	Dual Rotating Microsphere Using Robotic Feedforward Compensation Control of Cooperative Flexible Micropipettes. IEEE Transactions on Automation Science and Engineering, 2020, 17, 2004-2013.	5.2	11
74	Real-time running detection system for UAV imagery based on optical flow and deep convolutional networks. IET Intelligent Transport Systems, 2020, 14, 278-287.	3.0	11
75	A fast parameterized gait planning method for a lower-limb exoskeleton robot. International Journal of Advanced Robotic Systems, 2020, 17, 172988141989322.	2.1	11
76	Discrete-Time Optimal Control of Miniature Helical Swimmers in Horizontal Plane. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2267-2277.	5.2	11
77	A novel inspection robot for nuclear station steam generator secondary side with self-localization. Robotics and Biomimetics, 2017, 4, 26.	1.7	10
78	Ensemble learning method based on temporal, spatial features with multi-scale filter banks for motor imagery EEG classification. Biomedical Signal Processing and Control, 2022, 76, 103634.	5.7	10
79	Metric Learning for Robust Gait Phase Recognition for a Lower Limb Exoskeleton Robot Based on sEMG. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 472-479.	3.2	10
80	RNGDet: Road Network Graph Detection by Transformer in Aerial Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	10
81	A novel design of Tri-star wheeled mobile robot for high obstacle climbing. , 2012, , .		9
82	Rapid pressure-to-flow dynamics of cerebral autoregulation induced by instantaneous changes of arterial CO ₂ . Medical Engineering and Physics, 2014, 36, 1636-1643.	1.7	9
83	Similar hand gesture recognition by automatically extracting distinctive features. International Journal of Control, Automation and Systems, 2017, 15, 1770-1778.	2.7	9
84	Automatic Manipulation of Magnetically Actuated Helical Microswimmers in Static Environments. Micromachines, 2018, 9, 524.	2.9	9
85	GC-IGTG: A Rehabilitation Gait Trajectory Generation Algorithm for Lower Extremity Exoskeleton. , 2019, , .		9
86	Gait Phase Classification and Assist Torque Prediction for a Lower Limb Exoskeleton System Using Kernel Recursive Least-Squares Method. Sensors, 2019, 19, 5449.	3.8	9
87	Hardware Circuits Design and Performance Evaluation of a Soft Lower Limb Exoskeleton. IEEE Transactions on Biomedical Circuits and Systems, 2022, 16, 384-394.	4.0	9
88	Flexible design of a wearable lower limb exoskeleton robot. , 2013, , .		8
89	Dynamic hand gesture early recognition based on Hidden Semi-Markov Models. , 2014, , .		8
90	Design and control for a compliant knee exoskeleton. , 2017, , .		8

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91	A Heterogeneous Sensing System-Based Method for Unmanned Aerial Vehicle Indoor Positioning. Sensors, 2017, 17, 1842.	3.8	8
92	Review of Machine-Vision-Based Plant Detection Technologies for Robotic Weeding. , 2019, , .		8
93	Wind Power Curve Data Cleaning Algorithm via Image Thresholding. , 2019, , .		8
94	Touch Modality Identification With Tensorial Tactile Signals: A Kernel-Based Approach. IEEE Transactions on Automation Science and Engineering, 2022, 19, 959-968.	5.2	8
95	Prediction of Contralateral Lower-Limb Joint Angles Using Vibroarthrography and Surface Electromyography Signals in Time-Series Network. IEEE Transactions on Automation Science and Engineering, 2023, 20, 901-908.	5.2	8
96	Multi-scale analysis of contextual information within spatio-temporal video volumes for anomaly detection. , 2014, , .		7
97	Real time gait planning for a mobile medical exoskeleton with crutche. , 2015, , .		7
98	Rotating soft-tail millimeter-scaled swimmers with superhydrophilic or superhydrophobic surfaces. , 2016, , .		7
99	Haptic and Visual Enhance-based Motor Imagery BCI for Rehabilitation Lower-Limb Exoskeleton. , 2019, , .		7
100	Distributed Complementary Binary Quantization for Joint Hash Table Learning. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5312-5323.	11.3	7
101	A Power Spectrum Pattern Difference-Based Time-Frequency Sub-Band Selection Method for MI-EEG Classification. IEEE Sensors Journal, 2022, 22, 11928-11939.	4.7	7
102	REAL-TIME SURVEILLANCE BASED ON HUMAN BEHAVIOR ANALYSIS. International Journal of Information Acquisition, 2005, 02, 353-365.	0.2	6
103	Design and Implementation of Arch Function for Adaptive Multi-Finger Prosthetic Hand. Sensors, 2019, 19, 3539.	3.8	6
104	Stable Control Gait Planning Strategy for A Rehabilitation Exoskeleton Robot. , 2019, , .		6
105	A Real-Time Stability Control Method Through sEMG Interface for Lower Extremity Rehabilitation Exoskeletons. Frontiers in Neuroscience, 2021, 15, 645374.	2.8	6
106	On-Demand Assembly and Disassembly of a 3D Swimming Magnetic Mini-Propeller With Two Modules. IEEE Robotics and Automation Letters, 2021, 6, 6008-6015.	5.1	6
107	Joint Modeling and Closed-Loop Control of a Robotic Hand Driven by the Tendon-Sheath. IEEE Robotics and Automation Letters, 2021, 6, 7333-7340.	5.1	6
108	An sEMG based adaptive method for human-exoskeleton collaboration in variable walking environments. Biomedical Signal Processing and Control, 2022, 74, 103477.	5.7	6

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109	A Robotic System to Deliver Multiple Physically Bimanual Tasks via Varying Force Fields. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 688-698.	4.9	6
110	Insect-Scale SMAW-Based Soft Robot With Crawling, Jumping, and Loading Locomotion. IEEE Robotics and Automation Letters, 2022, 7, 9287-9293.	5.1	6
111	Anomaly detection and localization in crowded scenes using short-term trajectories. , 2013, , .		5
112	3D reconstruction based on light field information. , 2015, , .		5
113	An adaptive gait learning strategy for lower limb exoskeleton robot. , 2017, , .		5
114	The HyBrid system with a large workspace towards magnetic micromanipulation within the human head. , 2017, , .		5
115	Action Extraction in Continuous Unconstrained Video for Cloud-Based Intelligent Service Robot. IEEE Access, 2018, 6, 33460-33471.	4.2	5
116	Voice controlled wheelchair integration rehabilitation training and posture transformation for people with lower limb motor dysfunction. Technology and Health Care, 2021, 29, 609-614.	1.2	5
117	Tactile Grasp Stability Classification Based on Graph Convolutional Networks. , 2021, , .		5
118	Design and analysis of a lightweight lower extremity exoskeleton with novel compliant ankle joints. Technology and Health Care, 2022, 30, 881-894.	1.2	5
119	Real-time running detection from a moving camera. , 2016, , .		4
120	A Time Division Multiplexing Inspired Lightweight Soft Exoskeleton for Hip and Ankle Joint Assistance. Micromachines, 2021, 12, 1150.	2.9	4
121	A Hierarchical Fusion Strategy Based on EEG and sEMG for Human-Exoskeleton System. , 2020, , .		4
122	A Portable Waist-Loaded Soft Exosuit for Hip Flexion Assistance with Running. Micromachines, 2022, 13, 157.	2.9	4
123	A Novel Method for Detecting Misclassifications of the Locomotion Mode in Lower-Limb Exoskeleton Robot Control. IEEE Robotics and Automation Letters, 2022, 7, 7779-7785.	5.1	4
124	A novel hand posture recognition system based on sparse representation using color and depth images. , 2013, , .		3
125	A real-time dynamic gesture recognition based on 3D trajectories in distinguishing similar gestures. , 2015, , .		3
126	A novel approach for global abnormal event detection in multi-camera surveillance system. , 2015, , .		3

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127	Stairs Reconstruction with 3D Point Cloud for Gait Generation of Lower Limb Exoskeleton Robot. , 2019, , .		3
128	Auto Cable Pretension Method for Soft Exosuit Based on Gait Trajectory Prediction Network. , 2019, , .		3
129	Development and Evaluation of a Rehabilitation Wheelchair with Multiposture Transformation and Smart Control. Complexity, 2021, 2021, 1-14.	1.6	3
130	Modeling and Closed-loop Control of Ferromagnetic Nanoparticles Microrobots. , 2021, , .		3
131	A Framework of Cooperative UAV-UGV System for Target Tracking. , 2021, , .		3
132	A soft exosuit for hip extension assistance of the elderly. Technology and Health Care, 2021, 29, 837-841.	1.2	3
133	Adaptive Admittance Control of Human-Exoskeleton System Using RNN Optimization. , 2021, , .		3
134	Bionic Design of a Self-Reconfigurable Modular Robot for Search and Rescue. , 2021, , .		3
135	Kinematics study of a 10 degrees-of-freedom lower extremity exoskeleton for crutch-less walking rehabilitation. Technology and Health Care, 2022, 30, 747-755.	1.2	3
136	Biomechanical and Physiological Evaluation of a Multi-Joint Exoskeleton with Active-Passive Assistance for Walking. Biosensors, 2021, 11, 393.	4.7	3
137	ROLES OF MAGNETIC STRENGTH IN MAGNETO-ELASTOMER TOWARDS SWIMMING MECHANISM AND PERFORMANCE OF MINIATURE ROBOTS. International Journal of Robotics and Automation, 2020, 35, .	0.1	3
138	A DRL-based framework for self-balancing exoskeleton walking. , 2020, , .		3
139	Leveraging Multi-label Correlation for Tactile Adjective Recognition. , 2020, , .		3
140	A Three-Step Hill Neuromusculoskeletal Model Parameter Identification Method Based on Exoskeleton Robot. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 104, 1.	3.4	3
141	Digital twin rehabilitation system based on self-balancing lower limb exoskeleton. Technology and Health Care, 2022, , 1-13.	1.2	3
142	A novel statistical learning-based framework for automatic anomaly detection and localization in crowds. , 2013, , .		2
143	A robotic holder of transcranial doppler probe for CBFV auto-searching. , 2013, , .		2
144	Rubbot: Rubbing on flexible loose surfaces. , 2013, , .		2

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145	Saliency attention based abnormal event detection in video. , 2014, , .		2
146	Anomaly detection in crowds assisted by scene perspective projection correction. , 2014, , .		2
147	Running person detection from a community patrol robot. , 2016, , .		2
148	Heterogeneous Sensor Information Fusion based on Kernel Adaptive Filtering for UAVs' Localization. , 2017, , .		2
149	Development of an Adaptive Prosthetic Hand *. , 2019, , .		2
150	Dynamic Obstacle Tracking Based On High-Definition Map In Urban Scene. , 2019, , .		2
151	Hydrogelâ€Based Millirobots: Reconfiguration, Camouflage, and Colorâ€Shifting for Bioinspired Adaptive Hydrogelâ€Based Millirobots (Adv. Funct. Mater. 10/2020). Advanced Functional Materials, 2020, 30, 2070064.	14.9	2
152	Time-frequency decomposition-based weighted ensemble learning for motor imagery EEG classification. , 2021, , .		2
153	Robotic Micromanipulation for Active Pin Alignment in Electronic Soldering Industry. , 2021, , .		2
154	A Quantifiable Muscle Fatigue Method Based on sEMG during Dynamic Contractions for Lower Limb Exoskeleton. , 2020, , .		2
155	Low-Rank Affinity Based Local-Driven Multilabel Propagation. Mathematical Problems in Engineering, 2013, 2013, 1-6.	1.1	1
156	HOUSEHOLD SERVICE ROBOT WITH CELLPHONE INTERFACE. International Journal of Information Acquisition, 2013, 09, 1350009.	0.2	1
157	Performability models for designing disaster tolerant Infrastructure-as-a-Service cloud computing systems. , 2013, , .		1
158	Implementation of the path planning algorithm M*. , 2013, , .		1
159	Sequential Probability Ratio Testing with Power Projective Base Method Improves Decision-Making for BCI. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-10.	1.3	1
160	Development of A Non-Power Waist Assist Device and IEMG-Based Evaluation of Assist Effect. , 2019, , .		1
161	Centering of a Miniature Rotation Robot for Multi-Directional Imaging Under Microscopy. IEEE Nanotechnology Magazine, 2020, 19, 17-20.	2.0	1
162	A Modular Rehabilitation Lower Limb Exoskeleton for Stroke Patients With Hemiplegia. , 2021, , .		1

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163	Short-Time Fourier Transform Covariance and Selection, A Feature Extraction Method for Binary Motor Imagery Classification. , 2021, , .		1
164	TactCapsNet: Tactile Capsule Network for Object Hardness Recognition. , 2021, , .		1
165	A data-driven shared control system for exoskeleton rehabilitation robot. , 2021, , .		1
166	Multi-objective Gait Optimizntion of Lower-limb Exoskeleton Robot. , 2020, , .		1
167	A method of cliff detection in robot navigation based on multi-sensor. , 2020, , .		1
168	Stress relief robotic system based on diffused illumination multi-touch technology. , 2012, , .		0
169	A new approach for hand-waving detection in crowds. , 2013, , .		0
170	Shadow removal for light field images. , 2014, , .		0
171	Non-binding lower extremity exoskeleton (NextExo) for load-bearing. , 2015, , .		0
172	Robust localization system for an autonomous mower. , 2015, , .		0
173	The visual location of workpiece based on Hermite Interpolation and mapping for robot arms. , 2015, , .		0
174	Robust dissipative filtering for discrete-time Markov jump Lur'e systems with uncertain transition probability matrix. , 2015, , .		0
175	Skeletonization using fuzzy distance transform for diffuse reflection structured light. , 2016, , .		0
176	Manipulation of Lotus-root Fiber Based Soft Helical Microswimmers Using Rotating Gradient Field. , 2018, , .		0
177	Nonuniform Illumination Image Segmentation Based on Improved Homomorphic Filtering and Class Uncertainty Theory. , 2018, , .		0
178	A Trajectory Optimization Algorithm for Drone Target Localization and Tracking. , 2019, , .		0
179	Targeted Cancer Therapy: Sequential Magneto-Actuated and Optics-Triggered Biomicrobots for Targeted Cancer Therapy (Adv. Funct. Mater. 11/2021). Advanced Functional Materials, 2021, 31, 2170074.	14.9	0
180	Multimodal Surface Material Classification Based on Ensemble Learning with Optimized Features. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
181	Corrigendum to "SIAT-WEXv2: A Wearable Exoskeleton for Reducing Lumbar Load during Lifting Tasks", Complexity, 2021, 2021, 1-1.	1.6	0
182	Design and Simulation of a Hip Exoskeleton for Lateral Walking. , 2021, , .		0
183	Impedance Control for a novel Composite Modular Lower-Limb Hemiplegic Exoskeleton. , 2021, , .		0
184	A Motion Planning Method Based on HRL for Autonomous Exoskeleton. , 2021, , .		0
185	A Framework for Human-Exoskeleton Interaction Based on sEMG Interface and Electrotactile Feedback. , 2021, , .		0
186	Motion characteristics and control of magnetic microbeads by magnetic gradient fields. , 2021, , .		0
187	A dual-drive four joint time-sharing control walking power-assisted flexible exoskeleton robot system. Robotica, 0, , 1-12.	1.9	0