Yinfeng Fang

List of Publications by Year
in descending order

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113	3,261	147801	168389
papers	citations	31 h-index	53 g-index

113	113	113	2777
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep EEG Superresolution via Correlating Brain Structural and Functional Connectivities. IEEE Transactions on Cybernetics, 2023, 53, 4410-4422.	9.5	7
2	Early Screening of Autism in Toddlers via Response-To-Instructions Protocol. IEEE Transactions on Cybernetics, 2022, 52, 3914-3924.	9.5	11
3	Toward Children's Empathy Ability Analysis: Joint Facial Expression Recognition and Intensity Estimation Using Label Distribution Learning. IEEE Transactions on Industrial Informatics, 2022, 18, 16-25.	11.3	16
4	A Novel Delay Estimation Method for Improving Corticomuscular Coherence in Continuous Synchronization Events. IEEE Transactions on Biomedical Engineering, 2022, 69, 1328-1339.	4.2	5
5	A Trend on Autism Spectrum Disorder Research: Eye Tracking-EEG Correlative Analytics. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 1232-1244.	3.8	4
6	Diagnosis and Intervention for Children With Autism Spectrum Disorder: A Survey. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 819-832.	3.8	3
7	Fatigue-Sensitivity Comparison of sEMG and A-Mode Ultrasound based Hand Gesture Recognition. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1718-1725.	6.3	17
8	Closed-Loop Construction and Analysis of Cortico-Muscular-Cortical Functional Network After Stroke. IEEE Transactions on Medical Imaging, 2022, 41, 1575-1586.	8.9	6
9	A Braille Reading System Based on Electrotactile Display With Flexible Electrode Array. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 735-737.	13.1	16
10	Explore Electrotactile Parametric Properties Using an Electrical Stimulation System. IEEE Sensors Journal, 2022, 22, 7053-7062.	4.7	4
11	Control for Isokinetic Exercise with External Disturbance. Discrete Dynamics in Nature and Society, 2022, 2022, 1-11.	0.9	0
12	A Swift Gaze Estimate Method Based On The Corneal Image System. , 2022, , .		0
13	Unsupervised Domain Adaptation for Gesture Identification Against Electrode Shift. IEEE Transactions on Human-Machine Systems, 2022, 52, 1271-1280.	3.5	4
14	Six-Dimensional Force/Torque Sensor Based on Fiber Bragg Gratings With Low Coupling. IEEE Transactions on Industrial Electronics, 2021, 68, 4079-4089.	7.9	52
15	Wearable Ultrasound-Based Decoding of Simultaneous Wrist/Hand Kinematics. IEEE Transactions on Industrial Electronics, 2021, 68, 8667-8675.	7.9	20
16	Attribute-Driven Granular Model for EMG-Based Pinch and Fingertip Force Grand Recognition. IEEE Transactions on Cybernetics, 2021, 51, 789-800.	9.5	26
17	A Wearable Ultrasound System for Sensing Muscular Morphological Deformations. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3370-3379.	9.3	39
18	Physical Humanâ€“Robot Collaboration: Robotic Systems, Learning Methods, Collaborative Strategies, Sensors, and Actuators. IEEE Transactions on Cybernetics, 2021, 51, 1888-1901.	9.5	50

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19	Object-oriented Map Exploration and Construction Based on Auxiliary Task Aided DRL. , 2021, , .		0
20	Correlation Evaluation of Functional Corticomuscular Coupling With Abnormal Muscle Synergy After Stroke. IEEE Transactions on Biomedical Engineering, 2021, 68, 3261-3272.	4.2	15
21	A FBG Inclinometer for Simultaneous Measurement of Horizontal Deformation and Sudden Deformation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	7
22	Investigation on the Sampling Frequency and Channel Number for Force Myography Based Hand Gesture Recognition. Sensors, 2021, 21, 3872.	3.8	9
23	An Enhanced FingerVision for Contact Spatial Surface Sensing. IEEE Sensors Journal, 2021, 21, 16492-16502.	4.7	14
24	sEMG-Driven Functional Electrical Stimulation Tuning via Muscle Force. IEEE Transactions on Industrial Electronics, 2021, 68, 10068-10077.	7.9	4
25	Acoustic Nonlinearity Parameter Estimation for Exoskeleton Control. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 1002-1010.	3.2	1
26	Real-Time Collision Avoidance in a Dynamic Environment for an Industrial Robotic Arm. Lecture Notes in Computer Science, 2021, , 111-121.	1.3	1
27	Musculoskeletal Joint Angle Estimation based on Isokinetic Motor Coordination. IEEE Transactions on Medical Robotics and Bionics, 2021, , 1-1.	3.2	5
28	Gaze-driven Interaction System for Cognitive Ability Assessment. , 2021, , .		2
29	An Improved Multiple Sound Source Localization Method Using a Uniform Concentric Circular Microphone Array. , 2021, , .		0
30	A Proportional Pattern Recognition Control Scheme for Wearable A-mode Ultrasound Sensing. IEEE Transactions on Industrial Electronics, 2020, 67, 800-808.	7.9	47
31	Surface electromyography feature extraction via convolutional neural network. International Journal of Machine Learning and Cybernetics, 2020, 11, 185-196.	3.6	42
32	Voluntary and FES-Induced Finger Movement Estimation Using Muscle Deformation Features. IEEE Transactions on Industrial Electronics, 2020, 67, 4002-4012.	7.9	13
33	Ultrasonography and electromyography based hand motion intention recognition for a trans-radial amputee: A case study. Medical Engineering and Physics, 2020, 75, 45-48.	1.7	9
34	Dynamically Characterizing Skeletal Muscles via Acoustic Non-linearity Parameter: In Vivo Assessment for Upper Arms. Ultrasound in Medicine and Biology, 2020, 46, 315-324.	1.5	2
35	Comparative Analysis of Wearable A-Mode Ultrasound and sEMG for Muscle-Computer Interface. IEEE Transactions on Biomedical Engineering, 2020, 67, 2434-2442.	4.2	36
36	Upper-limb functional assessment after stroke using mirror contraction: A pilot study. Artificial Intelligence in Medicine, 2020, 106, 101877.	6.5	4

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37	Two-dimensional discrete feature based spatial attention CapsNet For sEMG signal recognition. Applied Intelligence, 2020, 50, 3503-3520.	5.3	16
38	Wide-Range Fiber Bragg Grating Tilt Sensor Based on a Cam Structure. IEEE Sensors Journal, 2020, 20, 4740-4748.	4.7	18
39	Simultaneous Prediction of Wrist/Hand Motion via Wearable Ultrasound Sensing. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 970-977.	4.9	35
40	Multichannel optimization for electromyogram signals with complex features in a decomposition-based multi-objective evolution framework with adaptive angle selection. International Journal of Advanced Robotic Systems, 2020, 17, 172988142091701.	2.1	0
41	Electromyography-Driven Progressive Assist-as-Needed Control for Lower Limb Exoskeleton. IEEE Transactions on Medical Robotics and Bionics, 2020, 2, 50-58.	3.2	28
42	Multi-Feature Input Deep Forest for EEG-Based Emotion Recognition. Frontiers in Neurorobotics, 2020, 14, 617531.	2.8	35
43	Sampling-Based Path Planning in Heterogeneous Dimensionality-Reduced Spaces. , 2020, , .		0
44	Free-Head Pose Estimation under Low-Resolution Scenarios. , 2020, , .		2
45	Detection of Salient Crowd Motion Based on Repulsive Force Network and Direction Entropy. Entropy, 2019, 21, 608.	2.2	11
46	An FBG-Based 2-DOF Force Sensing Intraocular Lens Positioning Hook for Cataract Surgery. IEEE Photonics Technology Letters, 2019, 31, 1674-1677.	2.5	3
47	A Practical and Adaptive Method to Achieve EMG-Based Torque Estimation for a Robotic Exoskeleton. IEEE/ASME Transactions on Mechatronics, 2019, 24, 483-494.	5.8	107
48	Dynamic Gesture Recognition in the Internet of Things. IEEE Access, 2019, 7, 23713-23724.	4.2	74
49	Corticomuscular Coherence for Upper Arm Flexor and Extensor Muscles During Isometric Exercise and Cyclically Isokinetic Movement. Frontiers in Neuroscience, 2019, 13, 522.	2.8	21
50	A Lightweight Ultrasound Probe for Wearable Humanâ€“Machine Interfaces. IEEE Sensors Journal, 2019, 19, 5895-5903.	4.7	27
51	Research on the Durability of Metal-Packaged Fiber Bragg Grating Sensors. IEEE Photonics Technology Letters, 2019, 31, 525-528.	2.5	25
52	Corticomuscular Coherence and Its Applications: A Review. Frontiers in Human Neuroscience, 2019, 13, 100.	2.0	82
53	Toward Portable Hybrid Surface Electromyography/A-Mode Ultrasound Sensing for Humanâ€“Machine Interface. IEEE Sensors Journal, 2019, 19, 5219-5228.	4.7	41
54	Speed Control System for Brushless DC Motor used in Isokinetic Exercise. , 2019, , .		0

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55	Finger Position and Force Simultaneous Prediction Using A-mode Ultrasound. , 2019, , .		1
56	Learn the Temporal-Spatial Feature of sEMG via Dual-Flow Network. International Journal of Humanoid Robotics, 2019, 16, 1941004.	1.1	12
57	Electrotactile Stimulation Waveform Modulation Based on A Customized Portable Stimulator: A Pilot Study. , 2019, , .		6
58	The Feasibility of a Virtual Reality System for Attention Analysis. , 2019, , .		1
59	Electrotactile Feedback in a Virtual Hand Rehabilitation Platform: Evaluation and Implementation. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1556-1565.	5.2	23
60	Experimental Research on Sensing Characteristics of Adhesive-Encapsulated FBG Under Alcohol-Disinfection Environment. IEEE Sensors Journal, 2019, 19, 2970-2977.	4.7	5
61	Bio-signal based elbow angle and torque simultaneous prediction during isokinetic contraction. Science China Technological Sciences, 2019, 62, 21-30.	4.0	23
62	Analysis of Dynamic Characteristics of Water Hydraulic Rotating Angle Self-Servo Robot Joint Actuator. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 92, 279-291.	3.4	3
63	Dual-Frequency Ultrasound Transducers for the Detection of Morphological Changes of Deep-Layered Muscles. IEEE Sensors Journal, 2018, 18, 1373-1383.	4.7	26
64	Multi-frequency ultrasound transducers for medical applications: a survey. International Journal of Intelligent Robotics and Applications, 2018, 2, 296-312.	2.8	19
65	Towards Wearable A-Mode Ultrasound Sensing for Real-Time Finger Motion Recognition. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1199-1208.	4.9	86
66	A Three-Dimensional Fiber Bragg Grating Force Sensor for Robot. IEEE Sensors Journal, 2018, 18, 3632-3639.	4.7	113
67	Relative Confidence Based Information Fusion For Semg-Based Pattern Recognition. , 2018, , .		2
68	Automatic Estimation of Biceps Brachi Muscle Thickness in B-Mode Ultrasound Images. , 2018, , .		1
69	Multiple Perspective Object Tracking via Context-Aware Correlation Filter. IEEE Access, 2018, 6, 43262-43273.	4.2	7
70	sEMG Bias-Driven Functional Electrical Stimulation System for Upper-Limb Stroke Rehabilitation. IEEE Sensors Journal, 2018, 18, 6812-6821.	4.7	47
71	Fiber Bragg Grating Displacement Sensor with High Abrasion Resistance for a Steel Spring Floating Slab Damping Track. Sensors, 2018, 18, 1899.	3.8	17
72	Ultrasound-Based Sensing Models for Finger Motion Classification. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1395-1405.	6.3	70

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73	Stabilization of Discreteâ€time Switched Systems with State Constraints Based on Modeâ€Dependent Average Dwell Time. Asian Journal of Control, 2017, 19, 67-73.	3.0	19
74	Non-Invasive Stimulation-Based Tactile Sensation for Upper-Extremity Prosthesis: A Review. IEEE Sensors Journal, 2017, 17, 2625-2635.	4.7	53
75	Toward Multimodal Humanâ€“Robot Interaction to Enhance Active Participation of Users in Gait Rehabilitation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 2054-2066.	4.9	64
76	Interface Prostheses With Classifier-Feedback-Based User Training. IEEE Transactions on Biomedical Engineering, 2017, 64, 2575-2583.	4.2	42
77	A preliminary study on the relationship between grip force and muscle thickness. , 2017, , .		3
78	A force-driven granular model for EMG based grasp recognition. , 2017, , .		3
79	Muscle fatigue assessment using one-channel single-element ultrasound transducer. , 2017, , .		6
80	Bacterial memetic algorithm based feature selection for surface EMG based hand motion recognition in long-term use. , 2016, , .		15
81	A three-axis force fingertip sensor based on fiber Bragg grating. Sensors and Actuators A: Physical, 2016, 249, 141-148.	4.1	67
82	Design and Investigation of a Reusable Surface-mounted Optical Fiber Bragg Grating Strain Sensor. IEEE Sensors Journal, 2016, , 1-1.	4.7	17
83	Human-machine interface based on multi-channel single-element ultrasound transducers: A preliminary study. , 2016, , .		21
84	Development of a Multi-Channel Compact-Size Wireless Hybrid sEMG/NIRS Sensor System for Prosthetic Manipulation. IEEE Sensors Journal, 2016, 16, 447-456.	4.7	68
85	Real time object tracking via a mixture model. , 2015, , .		1
86	Numerical simulation of the influence factors for rotary kiln in temperature field and stress field and the structure optimization. Advances in Mechanical Engineering, 2015, 7, 168781401558966.	1.6	24
87	A New Wearable Ultrasound Muscle Activity Sensing System for Dexterous Prosthetic Control. , 2015, , .		46
88	Numerical simulation of temperature field and thermal stress field in the new type of ladle with the nanometer adiabatic material. Advances in Mechanical Engineering, 2015, 7, 168781401557598.	1.6	27
89	Flow field texture representation-based motion segmentation for crowd counting. Machine Vision and Applications, 2015, 26, 871-883.	2.7	13
90	Finger pinch force estimation through muscle activations using a surface EMG sleeve on the forearm. , 2014, , .		10

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91	Dynamical Characteristics of Surface EMG Signals of Hand Grasps via Recurrence Plot. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 257-265.	6.3	72
92	A modified EM algorithm for hand gesture segmentation in RGB-D data. , 2014, , .		6
93	Human Hand Motion Analysis With Multisensory Information. IEEE/ASME Transactions on Mechatronics, 2014, 19, 456-466.	5.8	99
94	Regression-Based Facial Expression Optimization. IEEE Transactions on Human-Machine Systems, 2014, 44, 386-394.	3.5	84
95	Design of robustH_{â^ž}controller for a half-vehicle active suspension system with input delay. International Journal of Systems Science, 2013, 44, 625-640.	5.5	33
96	Surface EMG Based Hand Manipulation Identification Via Nonlinear Feature Extraction and Classification. IEEE Sensors Journal, 2013, 13, 3302-3311.	4.7	92
97	ImprovedH_{â^ž}analysis of Markovian jumping stochastic systems with time-varying delays. International Journal of Systems Science, 2013, 44, 521-532.	5.5	7
98	Non-fragile H_{â^ž} control for half-vehicle active suspension systems with actuator uncertainties. JVC/Journal of Vibration and Control, 2013, 19, 560-575.	2.6	32
99	Adaptive Sliding-Mode Control for Nonlinear Active Suspension Vehicle Systems Using Tâ€“S Fuzzy Approach. IEEE Transactions on Industrial Electronics, 2013, 60, 3328-3338.	7.9	623
100	Multi-objectiveH_{â^ž}control for vehicle active suspension systems with random actuator delay. International Journal of Systems Science, 2012, 43, 2214-2227.	5.5	17
101	Surface EMG signals determinism analysis based on recurrence plot for hand grasps. , 2012, , .		3
102	Actuator delayed active vehicle suspension control: A T-S fuzzy approach. , 2011, , .		5
103	Hand motion recognition via fuzzy active curve axis Gaussian mixture models: A comparative study. , 2011, , .		3
104	Exploring Human Hand Capabilities Into Embedded Multifingered Object Manipulation. IEEE Transactions on Industrial Informatics, 2011, 7, 389-398.	11.3	80
105	Computational Analysis of Sparse Datasets for Fault Diagnosis in Large Tribological Mechanisms. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2011, 41, 617-629.	2.9	5
106	A Unified Fuzzy Framework for Human-Hand Motion Recognition. IEEE Transactions on Fuzzy Systems, 2011, 19, 901-913.	9.8	67
107	A study on half-vehicle active suspension control using sampled-data control. , 2011, , .		1
108	Recognizing Hand Grasp and Manipulation Through Empirical Copula. International Journal of Social Robotics, 2010, 2, 321-328.	4.6	12

#	ARTICLE	IF	CITATIONS
109	Human actions recognition using Fuzzy PCA and discriminative hidden model. , 2010, , .		1
110	Fuzzy qualitative complex actions recognition. , 2010, , .		1
111	Detection and Diagnosis of Incipient Faults in Heavy-Duty Diesel Engines. IEEE Transactions on Industrial Electronics, 2010, 57, 3522-3532.	7.9	34
112	Extending evolutionary Fuzzy Quantile Inference to classify partially occluded human motions. , 2010, , .		1
113	Applying fuzzy EM algorithm with a fast convergence to GMMs. , 2010, , .		6