Honghai Liu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3774725/publications.pdf

Version: 2024-02-01

171	4,723	71061	123376
papers	citations	41 h-index	61 g-index

172	172	172	3118
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	State of the Art in Vehicle Active Suspension Adaptive Control Systems Based on Intelligent Methodologies. IEEE Transactions on Intelligent Transportation Systems, 2008, 9, 392-405.	4.7	169
2	Hand gesture recognition based on convolution neural network. Cluster Computing, 2019, 22, 2719-2729.	3.5	158
3	An Interval Fuzzy Controller for Vehicle Active Suspension Systems. IEEE Transactions on Intelligent Transportation Systems, 2010, 11, 885-895.	4.7	142
4	Multi-Modal Sensing Techniques for Interfacing Hand Prostheses: A Review. IEEE Sensors Journal, 2015, 15, 6065-6076.	2.4	130
5	A Three-Dimensional Fiber Bragg Grating Force Sensor for Robot. IEEE Sensors Journal, 2018, 18, 3632-3639.	2.4	113
6	Gesture recognition based on binocular vision. Cluster Computing, 2019, 22, 13261-13271.	3.5	111
7	A Practical and Adaptive Method to Achieve EMG-Based Torque Estimation for a Robotic Exoskeleton. IEEE/ASME Transactions on Mechatronics, 2019, 24, 483-494.	3.7	107
8	How to Build a Supervised Autonomous System for Robot-Enhanced Therapy for Children with Autism Spectrum Disorder. Paladyn, 2017, 8, 18-38.	1.9	100
9	Human Hand Motion Analysis With Multisensory Information. IEEE/ASME Transactions on Mechatronics, 2014, 19, 456-466.	3.7	99
10	Surface EMG Based Hand Manipulation Identification Via Nonlinear Feature Extraction and Classification. IEEE Sensors Journal, 2013, 13, 3302-3311.	2.4	92
11	Surface EMG data aggregation processing for intelligent prosthetic action recognition. Neural Computing and Applications, 2020, 32, 16795-16806.	3.2	88
12	Towards Wearable A-Mode Ultrasound Sensing for Real-Time Finger Motion Recognition. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1199-1208.	2.7	86
13	Regression-Based Facial Expression Optimization. IEEE Transactions on Human-Machine Systems, 2014, 44, 386-394.	2.5	84
14	Gesture Recognition Based on Kinect and sEMG Signal Fusion. Mobile Networks and Applications, 2018, 23, 797-805.	2.2	84
15	Jointly network: a network based on CNN and RBM for gesture recognition. Neural Computing and Applications, 2019, 31, 309-323.	3.2	82
16	Gesture recognition based on an improved local sparse representation classification algorithm. Cluster Computing, 2019, 22, 10935-10946.	3.5	82
17	Toward an Enhanced Humanâ€“Machine Interface for Upper-Limb Prosthesis Control With Combined EMG and NIRS Signals. IEEE Transactions on Human-Machine Systems, 2017, 47, 564-575.	2.5	81
18	Research on gesture recognition of smart data fusion features in the IoT. Neural Computing and Applications, 2020, 32, 16917-16929.	3.2	77

#	Article	IF	Citations
19	Dynamic Gesture Recognition in the Internet of Things. IEEE Access, 2019, 7, 23713-23724.	2.6	74
20	A Fuzzy Qualitative Framework for Connecting Robot Qualitative and Quantitative Representations. IEEE Transactions on Fuzzy Systems, 2008, 16, 1522-1530.	6.5	73
21	A Multichannel Surface EMG System for Hand Motion Recognition. International Journal of Humanoid Robotics, 2015, 12, 1550011.	0.6	71
22	Ultrasound-Based Sensing Models for Finger Motion Classification. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1395-1405.	3.9	70
23	Fuzzy Gaussian Mixture Models. Pattern Recognition, 2012, 45, 1146-1158.	5.1	69
24	Development of a Multi-Channel Compact-Size Wireless Hybrid sEMG/NIRS Sensor System for Prosthetic Manipulation. IEEE Sensors Journal, 2016, 16, 447-456.	2.4	68
25	A Unified Fuzzy Framework for Human-Hand Motion Recognition. IEEE Transactions on Fuzzy Systems, 2011, 19, 901-913.	6.5	67
26	A three-axis force fingertip sensor based on fiber Bragg grating. Sensors and Actuators A: Physical, 2016, 249, 141-148.	2.0	67
27	Mechanomyography Assisted Myoeletric Sensing for Upper-Extremity Prostheses: A Hybrid Approach. IEEE Sensors Journal, 2017, 17, 3100-3108.	2.4	64
28	Fuzzy Qualitative Human Motion Analysis. IEEE Transactions on Fuzzy Systems, 2009, 17, 851-862.	6.5	63
29	An Interactive Image Segmentation Method in Hand Gesture Recognition. Sensors, 2017, 17, 253.	2.1	61
30	Fuzzy Qualitative Robot Kinematics. IEEE Transactions on Fuzzy Systems, 2008, 16, 808-822.	6.5	57
31	RGB-D sensing based human action and interaction analysis: A survey. Pattern Recognition, 2019, 94, 1-12.	5.1	57
32	Gesture recognition based on modified adaptive orthogonal matching pursuit algorithm. Cluster Computing, 2019, 22, 503-512.	3.5	56
33	Non-Invasive Stimulation-Based Tactile Sensation for Upper-Extremity Prosthesis: A Review. IEEE Sensors Journal, 2017, 17, 2625-2635.	2.4	53
34	Robot-Enhanced Therapy: Development and Validation of Supervised Autonomous Robotic System for Autism Spectrum Disorders Therapy. IEEE Robotics and Automation Magazine, 2019, 26, 49-58.	2.2	52
35	Six-Dimensional Force/Torque Sensor Based on Fiber Bragg Gratings With Low Coupling. IEEE Transactions on Industrial Electronics, 2021, 68, 4079-4089.	5.2	52
36	An approach to carton-folding trajectory planning using dual robotic fingers. Robotics and Autonomous Systems, 2003, 42, 47-63.	3.0	48

#	Article	IF	Citations
37	sEMG Bias-Driven Functional Electrical Stimulation System for Upper-Limb Stroke Rehabilitation. IEEE Sensors Journal, 2018, 18, 6812-6821.	2.4	47
38	A Proportional Pattern Recognition Control Scheme for Wearable A-mode Ultrasound Sensing. IEEE Transactions on Industrial Electronics, 2020, 67, 800-808.	5.2	47
39	A New Wearable Ultrasound Muscle Activity Sensing System for Dexterous Prosthetic Control. , 2015, , .		46
40	Simultaneous Calibration: A Joint Optimization Approach for Multiple Kinect and External Cameras. Sensors, 2017, 17, 1491.	2.1	46
41	Interface Prostheses With Classifier-Feedback-Based User Training. IEEE Transactions on Biomedical Engineering, 2017, 64, 2575-2583.	2.5	42
42	Surface electromyography feature extraction via convolutional neural network. International Journal of Machine Learning and Cybernetics, 2020, 11, 185-196.	2.3	42
43	Toward Portable Hybrid Surface Electromyography/A-Mode Ultrasound Sensing for Humanâ€“Machine Interface. IEEE Sensors Journal, 2019, 19, 5219-5228.	2.4	41
44	Improved itracker combined with bidirectional long short-term memory for 3D gaze estimation using appearance cues. Neurocomputing, 2020, 390, 217-225.	3.5	40
45	A Wearable Ultrasound System for Sensing Muscular Morphological Deformations. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3370-3379.	5.9	39
46	Comparative Analysis of Wearable A-Mode Ultrasound and sEMG for Muscle-Computer Interface. IEEE Transactions on Biomedical Engineering, 2020, 67, 2434-2442.	2.5	36
47	Recognition of Human Motion From Qualitative Normalised Templates. Journal of Intelligent and Robotic Systems: Theory and Applications, 2007, 48, 79-95.	2.0	33
48	Design of robustH_{âˆž}controller for a half-vehicle active suspension system with input delay. International Journal of Systems Science, 2013, 44, 625-640.	3.7	33
49	Fuzzy qualitative trigonometry. International Journal of Approximate Reasoning, 2009, 51, 71-88.	1.9	32
50	Two-eye model-based gaze estimation from a Kinect sensor. , 2017, , .		27
51	A Lightweight Ultrasound Probe for Wearable Humanâ€“Machine Interfaces. IEEE Sensors Journal, 2019, 19, 5895-5903.	2.4	27
52	The DREAM Dataset: Supporting a data-driven study of autism spectrum disorder and robot enhanced therapy. PLoS ONE, 2020, 15, e0236939.	1.1	27
53	Dual-Frequency Ultrasound Transducers for the Detection of Morphological Changes of Deep-Layered Muscles. IEEE Sensors Journal, 2018, 18, 1373-1383.	2.4	26
54	Attribute-Driven Granular Model for EMG-Based Pinch and Fingertip Force Grand Recognition. IEEE Transactions on Cybernetics, 2021, 51, 789-800.	6.2	26

#	Article	IF	Citations
55	Dynamic Grasp Recognition Using Time Clustering, Gaussian Mixture Models and Hidden Markov Models. Advanced Robotics, 2009, 23, 1359-1371.	1.1	24
56	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.	0.8	24
57	Tracking Multiple Video Targets with an Improved GM-PHD Tracker. Sensors, 2015, 15, 30240-30260.	2.1	24
58	A structured multi-feature representation for recognizing human action and interaction. Neurocomputing, 2018, 318, 287-296.	3.5	23
59	Towards Zero Re-Training for Long-Term Hand Gesture Recognition via Ultrasound Sensing. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1639-1646.	3.9	23
60	Electrotactile Feedback in a Virtual Hand Rehabilitation Platform: Evaluation and Implementation. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1556-1565.	3.4	23
61	Bio-signal based elbow angle and torque simultaneous prediction during isokinetic contraction. Science China Technological Sciences, 2019, 62, 21-30.	2.0	23
62	Multiple Sensors Based Hand Motion Recognition Using Adaptive Directed Acyclic Graph. Applied Sciences (Switzerland), 2017, 7, 358.	1.3	22
63	Human-machine interface based on multi-channel single-element ultrasound transducers: A preliminary study. , 2016, , .		21
64	Exploring the relation between EMG sampling frequency and hand motion recognition accuracy. , 2017, , .		21
65	Corticomuscular Coherence for Upper Arm Flexor and Extensor Muscles During Isometric Exercise and Cyclically Isokinetic Movement. Frontiers in Neuroscience, 2019, 13, 522.	1.4	21
66	HDS-SP: A novel descriptor for skeleton-based human action recognition. Neurocomputing, 2020, 385, 22-32.	3.5	21
67	Screening Early Children With Autism Spectrum Disorder via Response-to-Name Protocol. IEEE Transactions on Industrial Informatics, 2021, 17, 587-595.	7.2	21
68	Wearable Ultrasound-Based Decoding of Simultaneous Wrist/Hand Kinematics. IEEE Transactions on Industrial Electronics, 2021, 68, 8667-8675.	5.2	20
69	Multi-frequency ultrasound transducers for medical applications: a survey. International Journal of Intelligent Robotics and Applications, 2018, 2, 296-312.	1.6	19
70	Investigation of the Temperature Compensation of FBGs Encapsulated With Different Methods and Subjected to Different Temperature Change Rates. Journal of Lightwave Technology, 2019, 37, 917-926.	2.7	19
71	Sensing-Enhanced Therapy System for Assessing Children With Autism Spectrum Disorders: A Feasibility Study. IEEE Sensors Journal, 2019, 19, 1508-1518.	2.4	19
72	Development of a Surface EMG Acquisition System with Novel Electrodes Configuration and Signal Representation. Lecture Notes in Computer Science, 2013, , 405-414.	1.0	19

#	Article	IF	Citations
73	Robust sEMG electrodes configuration for pattern recognition based prosthesis control. , 2014, , .		18
74	Fusion hand gesture segmentation and extraction based on CMOS sensor and 3D sensor. International Journal of Wireless and Mobile Computing, 2017, 12, 305.	0.1	18
75	Classification of Upper Limb Motion Trajectories Using Shape Features. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 970-982.	3.3	17
76	Multi-objectiveH_{â^ž}control for vehicle active suspension systems with random actuator delay. International Journal of Systems Science, 2012, 43, 2214-2227.	3.7	17
77	Gesture recognition based on sparse representation. International Journal of Wireless and Mobile Computing, 2016, 11, 348.	0.1	17
78	Design and Investigation of a Reusable Surface-mounted Optical Fiber Bragg Grating Strain Sensor. IEEE Sensors Journal, 2016, , 1-1.	2.4	17
79	Fiber Bragg Grating Displacement Sensor with High Abrasion Resistance for a Steel Spring Floating Slab Damping Track. Sensors, 2018, 18, 1899.	2.1	17
80	Fatigue-Sensitivity Comparison of sEMG and A-Mode Ultrasound based Hand Gesture Recognition. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1718-1725.	3.9	17
81	Visual Focus of Attention Estimation Using Eye Center Localization. IEEE Systems Journal, 2017, 11, 1320-1325.	2.9	16
82	Improve Inter-day Hand Gesture Recognition Via Convolutional Neural Network-based Feature Fusion. International Journal of Humanoid Robotics, 2021, 18, 2050025.	0.6	16
83	Intelligent control model and its simulation of flue temperature in coke oven. Discrete and Continuous Dynamical Systems - Series S, 2015, 8, 1223-1237.	0.6	16
84	Bacterial memetic algorithm based feature selection for surface EMG based hand motion recognition in long-term use. , 2016, , .		15
85	Correlation Evaluation of Functional Corticomuscular Coupling With Abnormal Muscle Synergy After Stroke. IEEE Transactions on Biomedical Engineering, 2021, 68, 3261-3272.	2.5	15
86	Target tracking for mobile robot platforms via object matching and background anti-matching. Robotics and Autonomous Systems, 2010, 58, 1197-1206.	3.0	14
87	EMPIRICAL COPULA-BASED TEMPLATES TO RECOGNIZE SURFACE EMG SIGNALS OF HAND MOTIONS. International Journal of Humanoid Robotics, 2011, 08, 725-741.	0.6	14
88	3D eye model-based gaze estimation from a depth sensor. , 2016, , .		14
89	Finite-time stabilization of a class of cascade nonlinear switched systems under state-dependent switching. Applied Mathematics and Computation, 2016, 289, 172-180.	1.4	14
90	A Hybrid Cnn-Svm Classifier For Hand Gesture Recognition With Surface Emg Signals. , 2018, , .		14

#	Article	IF	Citations
91	Intelligent Computational Control of Multi-Fingered Dexterous Robotic Hand. Journal of Computational and Theoretical Nanoscience, 2015, 12, 6126-6132.	0.4	14
92	Computation of Grasping and Manipulation for Multi-Fingered Robotic Hands. Journal of Computational and Theoretical Nanoscience, 2015, 12, 6192-6197.	0.4	14
93	Appearance-Based Gaze Estimation for ASD Diagnosis. IEEE Transactions on Cybernetics, 2022, 52, 6504-6517.	6.2	14
94	Flow field texture representation-based motion segmentation for crowd counting. Machine Vision and Applications, 2015, 26, 871-883.	1.7	13
95	A novel approach to extract hand gesture feature in depth images. Multimedia Tools and Applications, 2016, 75, 11929-11943.	2.6	13
96	Voluntary and FES-Induced Finger Movement Estimation Using Muscle Deformation Features. IEEE Transactions on Industrial Electronics, 2020, 67, 4002-4012.	5.2	13
97	Recognizing Hand Grasp and Manipulation Through Empirical Copula. International Journal of Social Robotics, 2010, 2, 321-328.	3.1	12
98	D-S evidential theory on sEMG signal recognition. International Journal of Computing Science and Mathematics, 2017, 8, 138.	0.2	12
99	Qualitative kinematics of planar robots: Intelligent connection. International Journal of Approximate Reasoning, 2007, 46, 525-541.	1.9	11
100	Depth and RGB image alignment for hand gesture segmentation using Kinect. , 2013, , .		11
101	Hand posture recognition based on heterogeneous features fusion of multiple kernels learning. Multimedia Tools and Applications, 2016, 75, 11909-11928.	2.6	11
102	Early Screening of Autism in Toddlers via Response-To-Instructions Protocol. IEEE Transactions on Cybernetics, 2022, 52, 3914-3924.	6.2	11
103	Multiscale Transfer Spectral Entropy for Quantifying Corticomuscular Interaction. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2281-2292.	3.9	11
104	Feature Fusion of sEMG and Ultrasound Signals in Hand Gesture Recognition. , 2020, , .		11
105	Finger pinch force estimation through muscle activations using a surface EMG sleeve on the forearm. , 2014, , .		10
106	Intelligent Computation in Grasping Control of Dexterous Robot Hand. Journal of Computational and Theoretical Nanoscience, 2015, 12, 6096-6099.	0.4	10
107	RECENT ADVANCES IN FUZZY QUALITATIVE REASONING. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2011, 19, 417-422.	0.9	9
108	Gaze estimation driven solution for interacting children with ASD. , 2015, , .		9

#	Article	IF	Citations
109	Ultrasonography and electromyography based hand motion intention recognition for a trans-radial amputee: A case study. Medical Engineering and Physics, 2020, 75, 45-48.	0.8	9
110	A-mode Ultrasound Driven Sensor Fusion for Hand Gesture Recognition. , 2020, , .		9
111	Vision-Based Gaze Estimation: A Review. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 316-332.	2.6	9
112	A FBG Inclinometer for Simultaneous Measurement of Horizontal Deformation and Sudden Deformation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	7
113	A fuzzy qualitative approach to human motion recognition. , 2008, , .		6
114	Accurately estimating rigid transformations in registration using a boosting-inspired mechanism. Pattern Recognition, 2016, 60, 849-862.	5.1	6
115	Facilitate sEMG-Based Humanâ€“Machine Interaction Through Channel Optimization. International Journal of Humanoid Robotics, 2019, 16, 1941001.	0.6	6
116	Electrotactile Stimulation Waveform Modulation Based on A Customized Portable Stimulator: A Pilot Study. , 2019, , .		6
117	Multi-stage adaptive regression for online activity recognition. Pattern Recognition, 2020, 98, 107053.	5.1	6
118	A fusion method for robust face tracking. Multimedia Tools and Applications, 2016, 75, 11801-11813.	2.6	5
119	Haptics model for human fingertips based on gaussian distribution. Journal of Intelligent and Fuzzy Systems, 2019, 36, 3945-3955.	0.8	5
120	Experimental Research on Sensing Characteristics of Adhesive-Encapsulated FBG Under Alcohol-Disinfection Environment. IEEE Sensors Journal, 2019, 19, 2970-2977.	2.4	5
121	A Novel Delay Estimation Method for Improving Corticomuscular Coherence in Continuous Synchronization Events. IEEE Transactions on Biomedical Engineering, 2022, 69, 1328-1339.	2.5	5
122	Vision-Based Pointing Estimation and Evaluation in Toddlers for Autism Screening. Lecture Notes in Computer Science, 2021, , 177-185.	1.0	5
123	Fuzzy Qualitative Gaussian Inference: Finding hidden Probability Distributions using Fuzzy Membership Functions. , 2009, , .		4
124	Robust Gaze Estimation via Normalized Iris Center-Eye Corner Vector. Lecture Notes in Computer Science, 2016, , 300-309.	1.0	4
125	Robust Eye Center Localization Based on an Improved SVR Method. Lecture Notes in Computer Science, 2018, , 623-634.	1.0	4
126	Upper-limb functional assessment after stroke using mirror contraction: A pilot study. Artificial Intelligence in Medicine, 2020, 106, 101877.	3.8	4

#	Article	IF	Citations
127	Diversity and Complexity of Hand Movement for Autism Spectrum Disorder Intervention. , 2021, , .		4
128	sEMG-Driven Functional Electrical Stimulation Tuning via Muscle Force. IEEE Transactions on Industrial Electronics, 2021, 68, 10068-10077.	5.2	4
129	Fuzzy rule-based model for outlier detection in a Topical Negative Pressure Wound Therapy Device. ISA Transactions, 2021, 117, 16-27.	3.1	4
130	Robustness of Combined sEMG andÂUltrasound Modalities Against Muscle Fatigue in Force Estimation. Lecture Notes in Computer Science, 2021, , 213-221.	1.0	4
131	Improving Gesture Recognition by Bidirectional Temporal Convolutional Netwoks. Communications in Computer and Information Science, 2020, , 413-424.	0.4	4
132	Explore Electrotactile Parametric Properties Using an Electrical Stimulation System. IEEE Sensors Journal, 2022, 22, 7053-7062.	2.4	4
133	Hand motion recognition via fuzzy active curve axis Gaussian mixture models: A comparative study. , 2011, , .		3
134	Wireless Smart Sensor Networks, System, Trends, and the Applications in Engineering. Journal of Sensors, 2016, 2016, 1-3.	0.6	3
135	Combining 3D joints Moving Trend and Geometry property for human action recognition. , 2016, , .		3
136	Comparison of online adaptive learning algorithms for myoelectric hand control. , 2016, , .		3
137	Dexterous Hand Motion Classification and Recognition Based on Multimodal Sensing. Lecture Notes in Computer Science, 2017, , 450-461.	1.0	3
138	A force-driven granular model for EMG based grasp recognition. , 2017, , .		3
139	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.	2.0	3
140	Electrotactile Feedback-Based Muscle Fatigue Alleviation for Hand Manipulation. International Journal of Humanoid Robotics, 2021, 18, 2050024.	0.6	3
141	Boxing motions classification through combining fuzzy gaussian inference with a context-aware rule-based system. , 2009, , .		2
142	Joint kinect and multiple external cameras simultaneous calibration. , 2017, , .		2
143	Relative Confidence Based Information Fusion For Semg-Based Pattern Recognition. , 2018, , .		2
144	Dynamically Characterizing Skeletal Muscles via Acoustic Non-linearity Parameter: In Vivo Assessment for Upper Arms. Ultrasound in Medicine and Biology, 2020, 46, 315-324.	0.7	2

#	Article	IF	Citations
145	Human Arm-Motion Classification Using Qualitative Normalised Templates. Lecture Notes in Computer Science, 2006, , 639-646.	1.0	2
146	Fuzzy Qualitative Trigonometry. Studies in Computational Intelligence, 2017, , 35-50.	0.7	2
147	Parametric Planning for Multiple Cooperative Robots. Journal of Intelligent and Robotic Systems: Theory and Applications, 2005, 44, 93-105.	2.0	1
148	A switching fuzzy control method for the magnetic active suspension system. , 2009, , .		1
149	An extended fuzzy logic system for uncertainty modelling. , 2009, , .		1
150	Fuzzy qualitative complex actions recognition. , 2010, , .		1
151	Extending evolutionary Fuzzy Quantile Inference to classify partially occluded human motions. , 2010, , .		1
152	Pattern recognition technologies for multimedia information processing. Multimedia Tools and Applications, 2015, 74, 179-183.	2.6	1
153	Recognizing Constrained 3D Human Motion: An Inference Approach. Studies in Computational Intelligence, 2017, , 207-232.	0.7	1
154	Vision-Based Joint Attention Detection for Autism Spectrum Disorders. Communications in Computer and Information Science, 2019, , 26-36.	0.4	1
155	Finger Position and Force Simultaneous Prediction Using A-mode Ultrasound. , 2019, , .		1
156	Acoustic Nonlinearity Parameter Estimation for Exoskeleton Control. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 1002-1010.	2.1	1
157	Fuzzy Qualitative Robot Kinematics. Studies in Computational Intelligence, 2017, , 51-65.	0.7	1
158	An Effective Human Motion Classification Approach using Knowledge Representation in Qualitative Normalised Templates. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	0
159	Special Issue on Model Based Reasoning in Engineering and Robotic Systems. Journal of Intelligent and Robotic Systems: Theory and Applications, 2007, 48, 5-6.	2.0	0
160	Classifying 3D Human Motions by Mixing Fuzzy Gaussian Inference with Genetic Programming. Lecture Notes in Computer Science, 2009, , 55-66.	1.0	0
161	Human hand motion recognition using Empirical Copula. , 2010, , .		0
162	Guest Editorial: Advanced Understanding and Modelling of Human Motion in Multidimensional Spaces. Multimedia Tools and Applications, 2016, 75, 11595-11602.	2.6	0

#	Article	IF	Citations
163	FES Proportional Tuning Based on sEMG. Lecture Notes in Computer Science, 2019, , 211-220.	1.0	0
164	A Preliminary Visual System for Assistant Diagnosis of ASD: Response to Name. Communications in Computer and Information Science, 2019, , 76-86.	0.4	0
165	Empirical Copula Driven Hand Motion Recognition via Surface Electromyography Based Templates. Lecture Notes in Computer Science, 2010, , 71-80.	1.0	0
166	Recognizing 3D Human Motions Using Fuzzy Quantile Inference. Lecture Notes in Computer Science, 2010, , 680-691.	1.0	0
167	Using Fuzzy Gaussian Inference and Genetic Programming to Classify 3D Human Motions. Advanced Information and Knowledge Processing, 2010, , 95-116.	0.2	0
168	Fuzzy Qualitative Human Motion Analysis. Studies in Computational Intelligence, 2017, , 67-93.	0.7	0
169	Online Human In-Hand Manipulation Skill Recognition and Learning. Lecture Notes in Computer Science, 2019, , 113-122.	1.0	0
170	Control for Isokinetic Exercise with External Disturbance. Discrete Dynamics in Nature and Society, 2022, 2022, 1-11.	0.5	0
171	Action recognition through fusion of sEMG and skeletal data in feature level. Journal of Ambient Intelligence and Humanized Computing, 0, , .	3.3	0