

Honghai Liu

List of Publications by Year in descending order

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171
papers

4,723
citations

71061

41
h-index

123376

61
g-index

172
all docs

172
docs citations

172
times ranked

3118
citing authors

#	ARTICLE	IF	CITATIONS
1	Early Screening of Autism in Toddlers via Response-To-Instructions Protocol. IEEE Transactions on Cybernetics, 2022, 52, 3914-3924.	6.2	11
2	Vision-Based Gaze Estimation: A Review. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 316-332.	2.6	9
3	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
4	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
5	Explore Electrotactile Parametric Properties Using an Electrical Stimulation System. IEEE Sensors Journal, 2022, 22, 7053-7062.	2.4	4
6	Appearance-Based Gaze Estimation for ASD Diagnosis. IEEE Transactions on Cybernetics, 2022, 52, 6504-6517.	6.2	14
7	Control for Isokinetic Exercise with External Disturbance. Discrete Dynamics in Nature and Society, 2022, 2022, 1-11.	0.5	0
8	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
9	Wearable Ultrasound-Based Decoding of Simultaneous Wrist/Hand Kinematics. IEEE Transactions on Industrial Electronics, 2021, 68, 8667-8675.	5.2	20
10	Attribute-Driven Granular Model for EMG-Based Pinch and Fingertip Force Grand Recognition. IEEE Transactions on Cybernetics, 2021, 51, 789-800.	6.2	26
11	A Wearable Ultrasound System for Sensing Muscular Morphological Deformations. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3370-3379.	5.9	39
12	Screening Early Children With Autism Spectrum Disorder via Response-to-Name Protocol. IEEE Transactions on Industrial Informatics, 2021, 17, 587-595.	7.2	21
13	Correlation Evaluation of Functional Corticomuscular Coupling With Abnormal Muscle Synergy After Stroke. IEEE Transactions on Biomedical Engineering, 2021, 68, 3261-3272.	2.5	15
14	Improve Inter-day Hand Gesture Recognition Via Convolutional Neural Network-based Feature Fusion. International Journal of Humanoid Robotics, 2021, 18, 2050025.	0.6	16
15	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
16	Diversity and Complexity of Hand Movement for Autism Spectrum Disorder Intervention. , 2021, , .		4
17	Multiscale Transfer Spectral Entropy for Quantifying Corticomuscular Interaction. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2281-2292.	3.9	11
18	sEMG-Driven Functional Electrical Stimulation Tuning via Muscle Force. IEEE Transactions on Industrial Electronics, 2021, 68, 10068-10077.	5.2	4

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19	Fuzzy rule-based model for outlier detection in a Topical Negative Pressure Wound Therapy Device. ISA Transactions, 2021, 117, 16-27.	3.1	4
20	Acoustic Nonlinearity Parameter Estimation for Exoskeleton Control. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 1002-1010.	2.1	1
21	Vision-Based Pointing Estimation and Evaluation in Toddlers for Autism Screening. Lecture Notes in Computer Science, 2021, , 177-185.	1.0	5
22	Robustness of Combined sEMG and Ultrasound Modalities Against Muscle Fatigue in Force Estimation. Lecture Notes in Computer Science, 2021, , 213-221.	1.0	4
23	Electrotactile Feedback-Based Muscle Fatigue Alleviation for Hand Manipulation. International Journal of Humanoid Robotics, 2021, 18, 2050024.	0.6	3
24	Surface EMG data aggregation processing for intelligent prosthetic action recognition. Neural Computing and Applications, 2020, 32, 16795-16806.	3.2	88
25	Research on gesture recognition of smart data fusion features in the IoT. Neural Computing and Applications, 2020, 32, 16917-16929.	3.2	77
26	A Proportional Pattern Recognition Control Scheme for Wearable A-mode Ultrasound Sensing. IEEE Transactions on Industrial Electronics, 2020, 67, 800-808.	5.2	47
27	Surface electromyography feature extraction via convolutional neural network. International Journal of Machine Learning and Cybernetics, 2020, 11, 185-196.	2.3	42
28	Multi-stage adaptive regression for online activity recognition. Pattern Recognition, 2020, 98, 107053.	5.1	6
29	Improved itracker combined with bidirectional long short-term memory for 3D gaze estimation using appearance cues. Neurocomputing, 2020, 390, 217-225.	3.5	40
30	Voluntary and FES-Induced Finger Movement Estimation Using Muscle Deformation Features. IEEE Transactions on Industrial Electronics, 2020, 67, 4002-4012.	5.2	13
31	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
32	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
33	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
34	HDS-SP: A novel descriptor for skeleton-based human action recognition. Neurocomputing, 2020, 385, 22-32.	3.5	21
35	The DREAM Dataset: Supporting a data-driven study of autism spectrum disorder and robot enhanced therapy. PLoS ONE, 2020, 15, e0236939.	1.1	27
36	A-mode Ultrasound Driven Sensor Fusion for Hand Gesture Recognition. , 2020, , .		9

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37	Upper-limb functional assessment after stroke using mirror contraction: A pilot study. <i>Artificial Intelligence in Medicine</i> , 2020, 106, 101877.	3.8	4
38	Improving Gesture Recognition by Bidirectional Temporal Convolutional Networks. <i>Communications in Computer and Information Science</i> , 2020, , 413-424.	0.4	4
39	Feature Fusion of sEMG and Ultrasound Signals in Hand Gesture Recognition. , 2020, , .		11
40	FES Proportional Tuning Based on sEMG. <i>Lecture Notes in Computer Science</i> , 2019, , 211-220.	1.0	0
41	Vision-Based Joint Attention Detection for Autism Spectrum Disorders. <i>Communications in Computer and Information Science</i> , 2019, , 26-36.	0.4	1
42	Facilitate sEMG-Based Human-Machine Interaction Through Channel Optimization. <i>International Journal of Humanoid Robotics</i> , 2019, 16, 1941001.	0.6	6
43	A Practical and Adaptive Method to Achieve EMG-Based Torque Estimation for a Robotic Exoskeleton. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019, 24, 483-494.	3.7	107
44	Dynamic Gesture Recognition in the Internet of Things. <i>IEEE Access</i> , 2019, 7, 23713-23724.	2.6	74
45	A Preliminary Visual System for Assistant Diagnosis of ASD: Response to Name. <i>Communications in Computer and Information Science</i> , 2019, , 76-86.	0.4	0
46	Corticomuscular Coherence for Upper Arm Flexor and Extensor Muscles During Isometric Exercise and Cyclically Isokinetic Movement. <i>Frontiers in Neuroscience</i> , 2019, 13, 522.	1.4	21
47	Haptics model for human fingertips based on gaussian distribution. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 36, 3945-3955.	0.8	5
48	RGB-D sensing based human action and interaction analysis: A survey. <i>Pattern Recognition</i> , 2019, 94, 1-12.	5.1	57
49	Robot-Enhanced Therapy: Development and Validation of Supervised Autonomous Robotic System for Autism Spectrum Disorders Therapy. <i>IEEE Robotics and Automation Magazine</i> , 2019, 26, 49-58.	2.2	52
50	A Lightweight Ultrasound Probe for Wearable Human-Machine Interfaces. <i>IEEE Sensors Journal</i> , 2019, 19, 5895-5903.	2.4	27
51	Investigation of the Temperature Compensation of FBCs Encapsulated With Different Methods and Subjected to Different Temperature Change Rates. <i>Journal of Lightwave Technology</i> , 2019, 37, 917-926.	2.7	19
52	Toward Portable Hybrid Surface Electromyography/A-Mode Ultrasound Sensing for Human-Machine Interface. <i>IEEE Sensors Journal</i> , 2019, 19, 5219-5228.	2.4	41
53	Finger Position and Force Simultaneous Prediction Using A-mode Ultrasound. , 2019, , .		1
54	Electrotactile Stimulation Waveform Modulation Based on A Customized Portable Stimulator: A Pilot Study. , 2019, , .		6

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55	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
56	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
57	Experimental Research on Sensing Characteristics of Adhesive-Encapsulated FBG Under Alcohol-Disinfection Environment. IEEE Sensors Journal, 2019, 19, 2970-2977.	2.4	5
58	Sensing-Enhanced Therapy System for Assessing Children With Autism Spectrum Disorders: A Feasibility Study. IEEE Sensors Journal, 2019, 19, 1508-1518.	2.4	19
59	Jointly network: a network based on CNN and RBM for gesture recognition. Neural Computing and Applications, 2019, 31, 309-323.	3.2	82
60	Bio-signal based elbow angle and torque simultaneous prediction during isokinetic contraction. Science China Technological Sciences, 2019, 62, 21-30.	2.0	23
61	Gesture recognition based on an improved local sparse representation classification algorithm. Cluster Computing, 2019, 22, 10935-10946.	3.5	82
62	Gesture recognition based on binocular vision. Cluster Computing, 2019, 22, 13261-13271.	3.5	111
63	Hand gesture recognition based on convolution neural network. Cluster Computing, 2019, 22, 2719-2729.	3.5	158
64	Gesture recognition based on modified adaptive orthogonal matching pursuit algorithm. Cluster Computing, 2019, 22, 503-512.	3.5	56
65	Online Human In-Hand Manipulation Skill Recognition and Learning. Lecture Notes in Computer Science, 2019, , 113-122.	1.0	0
66	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
67	Dual-Frequency Ultrasound Transducers for the Detection of Morphological Changes of Deep-Layered Muscles. IEEE Sensors Journal, 2018, 18, 1373-1383.	2.4	26
68	Gesture Recognition Based on Kinect and sEMG Signal Fusion. Mobile Networks and Applications, 2018, 23, 797-805.	2.2	84
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	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
71	A Three-Dimensional Fiber Bragg Grating Force Sensor for Robot. IEEE Sensors Journal, 2018, 18, 3632-3639.	2.4	113
72	Relative Confidence Based Information Fusion For Semg-Based Pattern Recognition. , 2018, , .		2

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73	A Hybrid Cnn-Svm Classifier For Hand Gesture Recognition With Surface Emg Signals. , 2018, , .		14
74	Robust Eye Center Localization Based on an Improved SVR Method. Lecture Notes in Computer Science, 2018, , 623-634.	1.0	4
75	A structured multi-feature representation for recognizing human action and interaction. Neurocomputing, 2018, 318, 287-296.	3.5	23
76	sEMG Bias-Driven Functional Electrical Stimulation System for Upper-Limb Stroke Rehabilitation. IEEE Sensors Journal, 2018, 18, 6812-6821.	2.4	47
77	Fiber Bragg Grating Displacement Sensor with High Abrasion Resistance for a Steel Spring Floating Slab Damping Track. Sensors, 2018, 18, 1899.	2.1	17
78	Ultrasound-Based Sensing Models for Finger Motion Classification. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1395-1405.	3.9	70
79	Visual Focus of Attention Estimation Using Eye Center Localization. IEEE Systems Journal, 2017, 11, 1320-1325.	2.9	16
80	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
81	Mechanomyography Assisted Myoelectric Sensing for Upper-Extremity Prostheses: A Hybrid Approach. IEEE Sensors Journal, 2017, 17, 3100-3108.	2.4	64
82	Non-Invasive Stimulation-Based Tactile Sensation for Upper-Extremity Prosthesis: A Review. IEEE Sensors Journal, 2017, 17, 2625-2635.	2.4	53
83	Recognizing Constrained 3D Human Motion: An Inference Approach. Studies in Computational Intelligence, 2017, , 207-232.	0.7	1
84	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
85	Interface Prostheses With Classifier-Feedback-Based User Training. IEEE Transactions on Biomedical Engineering, 2017, 64, 2575-2583.	2.5	42
86	Two-eye model-based gaze estimation from a Kinect sensor. , 2017, , .		27
87	Dexterous Hand Motion Classification and Recognition Based on Multimodal Sensing. Lecture Notes in Computer Science, 2017, , 450-461.	1.0	3
88	Joint kinect and multiple external cameras simultaneous calibration. , 2017, , .		2
89	A force-driven granular model for EMG based grasp recognition. , 2017, , .		3
90	Exploring the relation between EMG sampling frequency and hand motion recognition accuracy. , 2017, , .		21

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91	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
92	Simultaneous Calibration: A Joint Optimization Approach for Multiple Kinect and External Cameras. Sensors, 2017, 17, 1491.	2.1	46
93	Multiple Sensors Based Hand Motion Recognition Using Adaptive Directed Acyclic Graph. Applied Sciences (Switzerland), 2017, 7, 358.	1.3	22
94	An Interactive Image Segmentation Method in Hand Gesture Recognition. Sensors, 2017, 17, 253.	2.1	61
95	D-S evidential theory on sEMG signal recognition. International Journal of Computing Science and Mathematics, 2017, 8, 138.	0.2	12
96	Fuzzy Qualitative Robot Kinematics. Studies in Computational Intelligence, 2017, , 51-65.	0.7	1
97	Fuzzy Qualitative Human Motion Analysis. Studies in Computational Intelligence, 2017, , 67-93.	0.7	0
98	Fuzzy Qualitative Trigonometry. Studies in Computational Intelligence, 2017, , 35-50.	0.7	2
99	Gesture recognition based on sparse representation. International Journal of Wireless and Mobile Computing, 2016, 11, 348.	0.1	17
100	Wireless Smart Sensor Networks, System, Trends, and the Applications in Engineering. Journal of Sensors, 2016, 2016, 1-3.	0.6	3
101	3D eye model-based gaze estimation from a depth sensor. , 2016, , .		14
102	Combining 3D joints Moving Trend and Geometry property for human action recognition. , 2016, , .		3
103	Bacterial memetic algorithm based feature selection for surface EMG based hand motion recognition in long-term use. , 2016, , .		15
104	A three-axis force fingertip sensor based on fiber Bragg grating. Sensors and Actuators A: Physical, 2016, 249, 141-148.	2.0	67
105	Comparison of online adaptive learning algorithms for myoelectric hand control. , 2016, , .		3
106	Design and Investigation of a Reusable Surface-mounted Optical Fiber Bragg Grating Strain Sensor. IEEE Sensors Journal, 2016, , 1-1.	2.4	17
107	Accurately estimating rigid transformations in registration using a boosting-inspired mechanism. Pattern Recognition, 2016, 60, 849-862.	5.1	6
108	Human-machine interface based on multi-channel single-element ultrasound transducers: A preliminary study. , 2016, , .		21

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109	Robust Gaze Estimation via Normalized Iris Center-Eye Corner Vector. Lecture Notes in Computer Science, 2016, , 300-309.	1.0	4
110	Guest Editorial: Advanced Understanding and Modelling of Human Motion in Multidimensional Spaces. Multimedia Tools and Applications, 2016, 75, 11595-11602.	2.6	0
111	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
112	Hand posture recognition based on heterogeneous features fusion of multiple kernels learning. Multimedia Tools and Applications, 2016, 75, 11909-11928.	2.6	11
113	A novel approach to extract hand gesture feature in depth images. Multimedia Tools and Applications, 2016, 75, 11929-11943.	2.6	13
114	A fusion method for robust face tracking. Multimedia Tools and Applications, 2016, 75, 11801-11813.	2.6	5
115	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
116	Gaze estimation driven solution for interacting children with ASD. , 2015, , .		9
117	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
118	Tracking Multiple Video Targets with an Improved GM-PHD Tracker. Sensors, 2015, 15, 30240-30260.	2.1	24
119	A New Wearable Ultrasound Muscle Activity Sensing System for Dexterous Prosthetic Control. , 2015, , .		46
120	A Multichannel Surface EMG System for Hand Motion Recognition. International Journal of Humanoid Robotics, 2015, 12, 1550011.	0.6	71
121	Flow field texture representation-based motion segmentation for crowd counting. Machine Vision and Applications, 2015, 26, 871-883.	1.7	13
122	Multi-Modal Sensing Techniques for Interfacing Hand Prostheses: A Review. IEEE Sensors Journal, 2015, 15, 6065-6076.	2.4	130
123	Pattern recognition technologies for multimedia information processing. Multimedia Tools and Applications, 2015, 74, 179-183.	2.6	1
124	Intelligent Computation in Grasping Control of Dexterous Robot Hand. Journal of Computational and Theoretical Nanoscience, 2015, 12, 6096-6099.	0.4	10
125	Intelligent Computational Control of Multi-Fingered Dexterous Robotic Hand. Journal of Computational and Theoretical Nanoscience, 2015, 12, 6126-6132.	0.4	14
126	Computation of Grasping and Manipulation for Multi-Fingered Robotic Hands. Journal of Computational and Theoretical Nanoscience, 2015, 12, 6192-6197.	0.4	14

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127	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
128	Robust sEMG electrodes configuration for pattern recognition based prosthesis control. , 2014, , .		18
129	Finger pinch force estimation through muscle activations using a surface EMG sleeve on the forearm. , 2014, , .		10
130	Human Hand Motion Analysis With Multisensory Information. IEEE/ASME Transactions on Mechatronics, 2014, 19, 456-466.	3.7	99
131	Regression-Based Facial Expression Optimization. IEEE Transactions on Human-Machine Systems, 2014, 44, 386-394.	2.5	84
132	Design of robust H_∞ controller for a half-vehicle active suspension system with input delay. International Journal of Systems Science, 2013, 44, 625-640.	3.7	33
133	Surface EMG Based Hand Manipulation Identification Via Nonlinear Feature Extraction and Classification. IEEE Sensors Journal, 2013, 13, 3302-3311.	2.4	92
134	Depth and RGB image alignment for hand gesture segmentation using Kinect. , 2013, , .		11
135	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
136	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
137	Multi-objective H_∞ control for vehicle active suspension systems with random actuator delay. International Journal of Systems Science, 2012, 43, 2214-2227.	3.7	17
138	Fuzzy Gaussian Mixture Models. Pattern Recognition, 2012, 45, 1146-1158.	5.1	69
139	Hand motion recognition via fuzzy active curve axis Gaussian mixture models: A comparative study. , 2011, , .		3
140	A Unified Fuzzy Framework for Human-Hand Motion Recognition. IEEE Transactions on Fuzzy Systems, 2011, 19, 901-913.	6.5	67
141	EMPIRICAL COPULA-BASED TEMPLATES TO RECOGNIZE SURFACE EMG SIGNALS OF HAND MOTIONS. International Journal of Humanoid Robotics, 2011, 08, 725-741.	0.6	14
142	RECENT ADVANCES IN FUZZY QUALITATIVE REASONING. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2011, 19, 417-422.	0.9	9
143	Recognizing Hand Grasp and Manipulation Through Empirical Copula. International Journal of Social Robotics, 2010, 2, 321-328.	3.1	12
144	Target tracking for mobile robot platforms via object matching and background anti-matching. Robotics and Autonomous Systems, 2010, 58, 1197-1206.	3.0	14

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145	Human hand motion recognition using Empirical Copula. , 2010, , .		0
146	Fuzzy qualitative complex actions recognition. , 2010, , .		1
147	An Interval Fuzzy Controller for Vehicle Active Suspension Systems. IEEE Transactions on Intelligent Transportation Systems, 2010, 11, 885-895.	4.7	142
148	Extending evolutionary Fuzzy Quantile Inference to classify partially occluded human motions. , 2010, , .		1
149	Empirical Copula Driven Hand Motion Recognition via Surface Electromyography Based Templates. Lecture Notes in Computer Science, 2010, , 71-80.	1.0	0
150	Recognizing 3D Human Motions Using Fuzzy Quantile Inference. Lecture Notes in Computer Science, 2010, , 680-691.	1.0	0
151	Using Fuzzy Gaussian Inference and Genetic Programming to Classify 3D Human Motions. Advanced Information and Knowledge Processing, 2010, , 95-116.	0.2	0
152	Fuzzy Qualitative Human Motion Analysis. IEEE Transactions on Fuzzy Systems, 2009, 17, 851-862.	6.5	63
153	Fuzzy qualitative trigonometry. International Journal of Approximate Reasoning, 2009, 51, 71-88.	1.9	32
154	A switching fuzzy control method for the magnetic active suspension system. , 2009, , .		1
155	Dynamic Grasp Recognition Using Time Clustering, Gaussian Mixture Models and Hidden Markov Models. Advanced Robotics, 2009, 23, 1359-1371.	1.1	24
156	An extended fuzzy logic system for uncertainty modelling. , 2009, , .		1
157	Fuzzy Qualitative Gaussian Inference: Finding hidden Probability Distributions using Fuzzy Membership Functions. , 2009, , .		4
158	Boxing motions classification through combining fuzzy gaussian inference with a context-aware rule-based system. , 2009, , .		2
159	Classifying 3D Human Motions by Mixing Fuzzy Gaussian Inference with Genetic Programming. Lecture Notes in Computer Science, 2009, , 55-66.	1.0	0
160	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
161	A fuzzy qualitative approach to human motion recognition. , 2008, , .		6
162	Fuzzy Qualitative Robot Kinematics. IEEE Transactions on Fuzzy Systems, 2008, 16, 808-822.	6.5	57

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163	A Fuzzy Qualitative Framework for Connecting Robot Qualitative and Quantitative Representations. IEEE Transactions on Fuzzy Systems, 2008, 16, 1522-1530.	6.5	73
164	An Effective Human Motion Classification Approach using Knowledge Representation in Qualitative Normalised Templates. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	0
165	Qualitative kinematics of planar robots: Intelligent connection. International Journal of Approximate Reasoning, 2007, 46, 525-541.	1.9	11
166	Recognition of Human Motion From Qualitative Normalised Templates. Journal of Intelligent and Robotic Systems: Theory and Applications, 2007, 48, 79-95.	2.0	33
167	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
168	Human Arm-Motion Classification Using Qualitative Normalised Templates. Lecture Notes in Computer Science, 2006, , 639-646.	1.0	2
169	Parametric Planning for Multiple Cooperative Robots. Journal of Intelligent and Robotic Systems: Theory and Applications, 2005, 44, 93-105.	2.0	1
170	An approach to carton-folding trajectory planning using dual robotic fingers. Robotics and Autonomous Systems, 2003, 42, 47-63.	3.0	48
171	Action recognition through fusion of sEMG and skeletal data in feature level. Journal of Ambient Intelligence and Humanized Computing, 0, , .	3.3	0