

Zhaojie Ju

List of Publications by Year in descending order

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198
papers

3,162
citations

196777

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232693

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205
all docs

205
docs citations

205
times ranked

2823
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed Resilient Tracking of Multiagent Systems Under Actuator and Sensor Faults. IEEE Transactions on Cybernetics, 2023, 53, 4653-4664.	6.2	8
2	Attention-Mechanism-Based Real-Time Gaze Tracking in Natural Scenes With Residual Blocks. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 696-707.	2.6	9
3	Active Disturbance Rejection Control of Euler-Lagrange Systems Exploiting Internal Damping. IEEE Transactions on Cybernetics, 2022, 52, 4334-4345.	6.2	14
4	Modelling EMG driven wrist movements using a bio-inspired neural network. Neurocomputing, 2022, 470, 89-98.	3.5	11
5	Asymmetric Convolution View Adaptation Networks for Skeleton-Based Human Action Recognition. Advances in Intelligent Systems and Computing, 2022, , 191-199.	0.5	0
6	Deep Temporal Model-Based Identity-Aware Hand Detection for Space Human-Robot Interaction. IEEE Transactions on Cybernetics, 2022, 52, 13738-13751.	6.2	17
7	Binocular Feature Fusion and Spatial Attention Mechanism Based Gaze Tracking. IEEE Transactions on Human-Machine Systems, 2022, 52, 302-311.	2.5	10
8	Human In-Hand Motion Recognition Based on Multi-Modal Perception Information Fusion. IEEE Sensors Journal, 2022, 22, 6793-6805.	2.4	10
9	Deep Object Detector With Attentional Spatiotemporal LSTM for Space Human-Robot Interaction. IEEE Transactions on Human-Machine Systems, 2022, 52, 784-793.	2.5	11
10	A fast tube model predictive control scheme based on sliding mode control for underwater vehicle-manipulator system. Ocean Engineering, 2022, 254, 111259.	1.9	10
11	Guest Editorial Special Issue on Cyborg Intelligence: Human Enhancement With Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2022, 30, 1502-1505.	6.5	0
12	Four-Criterion-Optimization Based Coordination Motion Control of Dual-arm Robots. IEEE Transactions on Cognitive and Developmental Systems, 2022, , 1-1.	2.6	0
13	Hand gesture recognition using multimodal data fusion and multiscale parallel convolutional neural network for human-robot interaction. Expert Systems, 2021, 38, e12490.	2.9	25
14	Robot Motor Skill Transfer With Alternate Learning in Two Spaces. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4553-4564.	7.2	4
15	Automatic and Efficient Metallic Surface Defect Detection Based on Key Pixel Point Locations. IEEE Sensors Journal, 2021, 21, 11476-11487.	2.4	4
16	A Cascaded Feature Pyramid Network With Non-Backward Propagation for Facial Expression Recognition. IEEE Sensors Journal, 2021, 21, 11382-11392.	2.4	7
17	Attribute-Driven Granular Model for EMG-Based Pinch and Fingertip Force Grand Recognition. IEEE Transactions on Cybernetics, 2021, 51, 789-800.	6.2	26
18	Physical Human-Robot Collaboration: Robotic Systems, Learning Methods, Collaborative Strategies, Sensors, and Actuators. IEEE Transactions on Cybernetics, 2021, 51, 1888-1901.	6.2	50

#	ARTICLE	IF	CITATIONS
19	A Physics-Guided Coordinated Distributed MPC Method for Shape Control of an Antenna Reflector. IEEE Transactions on Cybernetics, 2021, PP, 1-13.	6.2	4
20	Learning for a Robot: Deep Reinforcement Learning, Imitation Learning, Transfer Learning. Sensors, 2021, 21, 1278.	2.1	97
21	Effect of Muscle Fatigue on Surface Electromyography-Based Hand Grasp Force Estimation. Applied Bionics and Biomechanics, 2021, 2021, 1-12.	0.5	8
22	Multi-IMF Sample Entropy Features with Machine Learning for Surface Texture Recognition Based on Robot Tactile Perception. International Journal of Humanoid Robotics, 2021, 18, 2150005.	0.6	4
23	Skeleton-based Human Activity Analysis Using Deep Neural Networks with Adaptive Representation Transformation. , 2021, , .		0
24	Self-adaptive Particle Swarm Optimization with Human-in-the-loop for Ankle Exoskeleton Control. Sensors and Materials, 2021, 33, 3125.	0.3	1
25	Robust 3D Model Reconstruction Based on Continuous Point Cloud for Autonomous Vehicles. Sensors and Materials, 2021, 33, 3169.	0.3	0
26	Fuzzy rule-based model for outlier detection in a Topical Negative Pressure Wound Therapy Device. ISA Transactions, 2021, 117, 16-27.	3.1	4
27	Real-Time Collision Avoidance in a Dynamic Environment for an Industrial Robotic Arm. Lecture Notes in Computer Science, 2021, , 111-121.	1.0	1
28	A Novel Curved Gaussian Mixture Model and Its Application in Motion Skill Encoding. , 2021, , .		1
29	A One-stage Temporal Detector with Attentional LSTM for Video Object Detection. , 2021, , .		0
30	An Efficient Skeleton-based Action Recognition Approach with View Transformation. , 2021, , .		1
31	Decomposition algorithm for depth image of human health posture based on brain health. Neural Computing and Applications, 2020, 32, 6327-6342.	3.2	53
32	Multi-stage adaptive regression for online activity recognition. Pattern Recognition, 2020, 98, 107053.	5.1	6
33	A Symplectic Instantaneous Optimal Control for Robot Trajectory Tracking With Differential-Algebraic Equation Models. IEEE Transactions on Industrial Electronics, 2020, 67, 3819-3829.	5.2	97
34	Robust real-time hand detection and localization for space human-robot interaction based on deep learning. Neurocomputing, 2020, 390, 198-206.	3.5	73
35	Effective Capture of Nongraspable Objects for Space Robots Using Geometric Cage Pairs. IEEE/ASME Transactions on Mechatronics, 2020, 25, 95-107.	3.7	69
36	Analysis on the Impact of Data Augmentation on Target Recognition for UAV-Based Transmission Line Inspection. Complexity, 2020, 2020, 1-11.	0.9	20

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37	Hovering Control of Submersible Transformer Inspection Robot Based on ASMBBC Method. IEEE Access, 2020, 8, 76287-76299.	2.6	7
38	Measurement of Simulated Lunar Soil Information Using Rutting Images. IEEE Access, 2020, 8, 130281-130292.	2.6	1
39	Disturbance observer enhanced variable gain controller for robot teleoperation with motion capture using wearable armbands. Autonomous Robots, 2020, 44, 1217-1231.	3.2	14
40	Pixel Histogram based Background Modeling for Moving Target Detection. , 2020, , .		0
41	Adaptive robust decoupling control of multi-arm space robots using time-delay estimation technique. Nonlinear Dynamics, 2020, 100, 2449-2467.	2.7	48
42	Novel Method of Obstacle Avoidance Planning for Redundant Sliding Manipulators. IEEE Access, 2020, 8, 78608-78621.	2.6	16
43	Attention mechanism-based CNN for facial expression recognition. Neurocomputing, 2020, 411, 340-350.	3.5	178
44	Corrections to "Iris Center Localization Using Energy Map With Image Inpaint Technology and Post-Processing Correction" IEEE Access, 2020, 8, 76595-76595.	2.6	0
45	A Discriminative Deep Model With Feature Fusion and Temporal Attention for Human Action Recognition. IEEE Access, 2020, 8, 43243-43255.	2.6	34
46	Iris center localization using energy map synthesis based on gradient and isophote. Journal of Intelligent and Fuzzy Systems, 2020, 38, 4511-4523.	0.8	3
47	Iris Center Localization Using Energy Map With Image Inpaint Technology and Post-Processing Correction. IEEE Access, 2020, 8, 16965-16978.	2.6	10
48	Design of Muscle Reflex Control for Upright Standing Push-Recovery Based on a Series Elastic Robot Ankle Joint. Frontiers in Neurorobotics, 2020, 14, 20.	1.6	1
49	Hand Gesture Recognition in Complex Background Based on Convolutional Pose Machine and Fuzzy Gaussian Mixture Models. International Journal of Fuzzy Systems, 2020, 22, 1330-1341.	2.3	22
50	Multi-hierarchy interaction control of a redundant robot using impedance learning. Mechatronics, 2020, 67, 102348.	2.0	18
51	A Two-Stream CNN Framework for American Sign Language Recognition Based on Multimodal Data Fusion. Advances in Intelligent Systems and Computing, 2020, , 107-118.	0.5	2
52	Dynamic Precision Analysis of a Redundant Sliding Manipulator. Communications in Computer and Information Science, 2020, , 157-171.	0.4	0
53	Biologically Inspired Motion Modeling and Neural Control for Robot Learning From Demonstrations. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 281-291.	2.6	60
54	Elephant's Trunk Robot: An Extremely Versatile Under-Actuated Continuum Robot Driven by a Single Motor. Journal of Mechanisms and Robotics, 2019, 11, .	1.5	26

#	ARTICLE	IF	CITATIONS
55	Multiple Features Fusion System for Motion Recognition. Lecture Notes in Computer Science, 2019, , 445-455.	1.0	0
56	Image Stitching Based on Improved SURF Algorithm. Lecture Notes in Computer Science, 2019, , 515-527.	1.0	5
57	Residual Attention Regression for 3D Hand Pose Estimation. Lecture Notes in Computer Science, 2019, , 605-614.	1.0	0
58	Control Design for Systems Operating in Complex Environments. Complexity, 2019, 2019, 1-2.	0.9	1
59	Obstacle Avoidance of a Redundant Robot Using Virtual Force Field and Null Space Projection. Lecture Notes in Computer Science, 2019, , 728-739.	1.0	6
60	A Novel Probabilistic Projection Model for Multi-camera Object Tracking. Lecture Notes in Computer Science, 2019, , 90-100.	1.0	0
61	Dynamics Research and Parameter Optimization of Planetary Penetrators. IEEE Access, 2019, 7, 82052-82065.	2.6	1
62	Research on Static Vision-Based Target Localization for Astronaut Assistant Robots. IEEE Access, 2019, 7, 128394-128407.	2.6	4
63	Evaluation of Calf Muscle Reflex Control in the "Ankle Strategy"™ during Upright Standing Push-Recovery. Applied Sciences (Switzerland), 2019, 9, 2085.	1.3	4
64	Haptics model for human fingertips based on gaussian distribution. Journal of Intelligent and Fuzzy Systems, 2019, 36, 3945-3955.	0.8	5
65	RGB-D sensing based human action and interaction analysis: A survey. Pattern Recognition, 2019, 94, 1-12.	5.1	57
66	A Novel Convolutional Neural Network for Facial Expression Recognition. Communications in Computer and Information Science, 2019, , 310-320.	0.4	3
67	A novel feature extraction method for machine learning based on surface electromyography from healthy brain. Neural Computing and Applications, 2019, 31, 9013-9022.	3.2	95
68	Dual-Hand Detection for Human"Robot Interaction by a Parallel Network Based on Hand Detection and Body Pose Estimation. IEEE Transactions on Industrial Electronics, 2019, 66, 9663-9672.	5.2	91
69	Design of Muscle Reflex Control for Human Upright Standing Push- recovery based on Series Elastic Actuator. , 2019, , .		1
70	Surface EMG electrode distribution for thumb motion classification based on wireless communication equipment. International Journal of Wireless and Mobile Computing, 2019, 16, 166.	0.1	1
71	Performance Analysis for the Magnetically Coupled Resonant Wireless Energy Transmission System. Complexity, 2019, 2019, 1-13.	0.9	2
72	CNN-Based Facial Expression Recognition from Annotated RGB-D Images for Human"Robot Interaction. International Journal of Humanoid Robotics, 2019, 16, 1941002.	0.6	28

#	ARTICLE	IF	CITATIONS
73	Force Estimation Based on sEMG using Wavelet Analysis and Neural Network. , 2019, , .		2
74	Towards Active Muscle Pattern Analysis for Dynamic Hand Motions via sEMG. Advances in Intelligent Systems and Computing, 2019, , 372-382.	0.5	0
75	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
76	Sensing-Enhanced Therapy System for Assessing Children With Autism Spectrum Disorders: A Feasibility Study. IEEE Sensors Journal, 2019, 19, 1508-1518.	2.4	19
77	Multimodal Human Hand Motion Sensing and Analysisâ€™A Review. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 162-175.	2.6	39
78	Gesture recognition based on binocular vision. Cluster Computing, 2019, 22, 13261-13271.	3.5	111
79	SEMG-Based Human In-Hand Motion Recognition Using Nonlinear Time Series Analysis and Random Forest. IEEE Access, 2019, 7, 176448-176457.	2.6	14
80	Navigate to Remember: A Declarative Memory Model for Incremental Semantic Mapping. Lecture Notes in Computer Science, 2019, , 142-153.	1.0	0
81	Visual-Based Crack Detection and Skeleton Extraction of Cement Surface. Lecture Notes in Computer Science, 2019, , 541-552.	1.0	0
82	Online Human In-Hand Manipulation Skill Recognition and Learning. Lecture Notes in Computer Science, 2019, , 113-122.	1.0	0
83	Robot Intelligent Trajectory Planning Based on PCM Guided Reinforcement Learning. Lecture Notes in Computer Science, 2019, , 342-355.	1.0	0
84	Improved Neural Network 3D Space Obstacle Avoidance Algorithm for Mobile Robot. Lecture Notes in Computer Science, 2019, , 105-117.	1.0	0
85	Human-AGV Interaction: Real-Time Gesture Detection Using Deep Learning. Lecture Notes in Computer Science, 2019, , 231-242.	1.0	2
86	Surface EMG electrode distribution for thumb motion classification based on wireless communication equipment. International Journal of Wireless and Mobile Computing, 2019, 16, 166.	0.1	0
87	An enhanced teaching interface for a robot using DMP and GMR. International Journal of Intelligent Robotics and Applications, 2018, 2, 110-121.	1.6	18
88	Visual Servoing of Humanoid Dual-Arm Robot with Neural Learning Enhanced Skill Transferring Control. International Journal of Humanoid Robotics, 2018, 15, 1750023.	0.6	15
89	A Novel Hand Gesture Recognition Based on High-Level Features. International Journal of Humanoid Robotics, 2018, 15, 1750022.	0.6	12
90	Gesture Recognition Based on Depth Information and Convolutional Neural Network. , 2018, , .		1

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91	Knowledge Representation and Knowledge Base System Modeling of Lean Evaluation Model. , 2018, , .		2
92	Head-Raising of Snake Robots Based on a Predefined Spiral Curve Method. Applied Sciences (Switzerland), 2018, 8, 2011.	1.3	7
93	Visual Tracking and Positioning for an Astronaut Assistant Robot. , 2018, , .		0
94	Design and Reflex Control for a Series Elastic Actuator Based Ankle Joint Emulator. , 2018, , .		2
95	Compliant Impedance Control for a Redundant Manipulator During Human Robot Interaction. , 2018, , .		3
96	Surface Emg Channel Selection For Thumb Motion Classificationsignal. , 2018, , .		2
97	A novel object tracking method based on a mixture model. International Journal of Intelligent Robotics and Applications, 2018, 2, 361-371.	1.6	0
98	A structured multi-feature representation for recognizing human action and interaction. Neurocomputing, 2018, 318, 287-296.	3.5	23
99	Advanced Intelligent Systems for Humanoid Robotics. International Journal of Humanoid Robotics, 2018, 15, 1802002.	0.6	1
100	Multi-length Windowed Feature Selection for Surface EMG Based Hand Motion Recognition. Lecture Notes in Computer Science, 2018, , 264-274.	1.0	3
101	Null Space Based Robot Compliant Control with Prescribed Motion Performance. , 2018, , .		0
102	Hand Gesture Recognition with Generalized Hough Transform and DC-CNN Using Realsense. , 2018, , .		25
103	Classification of Dynamic In-Hand Manipulation Based on SEMG and Kinect. , 2018, , .		1
104	Composite Learning for Trajectory Tracking Control of Robot Manipulators with Output Constraints. , 2018, , .		2
105	Soft human-machine interfaces: design, sensing and stimulation. International Journal of Intelligent Robotics and Applications, 2018, 2, 313-338.	1.6	55
106	An Intuitive Robot Learning from Human Demonstration. Lecture Notes in Computer Science, 2018, , 176-185.	1.0	3
107	Hand Detection and Location Based on Improved SSD for Space Human-Robot Interaction. Lecture Notes in Computer Science, 2018, , 164-175.	1.0	3
108	Real-Time HALCON-Based Pose Measurement System for an Astronaut Assistant Robot. Lecture Notes in Computer Science, 2018, , 366-378.	1.0	0

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109	Robot manipulator self-identification for surrounding obstacle detection. Multimedia Tools and Applications, 2017, 76, 6495-6520.	2.6	34
110	An Integrative Framework of Human Hand Gesture Segmentation for Human-Robot Interaction. IEEE Systems Journal, 2017, 11, 1326-1336.	2.9	42
111	Human Motion Sensing and Recognition. Studies in Computational Intelligence, 2017, , .	0.7	19
112	Human Hand Motion Analysis with Multisensory Information. Studies in Computational Intelligence, 2017, , 171-191.	0.7	3
113	Recognizing Constrained 3D Human Motion: An Inference Approach. Studies in Computational Intelligence, 2017, , 207-232.	0.7	1
114	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
115	Rehabilitation Training for Leg Based on EEG-EMG Fusion. Lecture Notes in Computer Science, 2017, , 517-527.	1.0	0
116	Static Hand Gesture Recognition with Parallel CNNs for Space Human-Robot Interaction. Lecture Notes in Computer Science, 2017, , 462-473.	1.0	37
117	Hand Gesture Recognition Using Interactive Image Segmentation Method. Lecture Notes in Computer Science, 2017, , 539-550.	1.0	2
118	A Review of Gesture Recognition Based on Computer Vision. Lecture Notes in Computer Science, 2017, , 528-538.	1.0	0
119	Dexterous Hand Motion Classification and Recognition Based on Multimodal Sensing. Lecture Notes in Computer Science, 2017, , 450-461.	1.0	3
120	Static Ankle Joint Stiffness Estimation with Relaxed Muscles Through Customized Device. Lecture Notes in Computer Science, 2017, , 485-493.	1.0	1
121	A Review of Upper and Lower Limb Rehabilitation Training Robot. Lecture Notes in Computer Science, 2017, , 570-580.	1.0	12
122	Static hand gesture segmentation: Comparison and selection of existing methods. , 2017, , .		1
123	Real-time visual tracking based on improved perceptual hashing. Multimedia Tools and Applications, 2017, 76, 4617-4634.	2.6	18
124	Advanced tele-operated robot interface for teaching by demonstration. , 2017, , .		3
125	Zooming image based false matches elimination algorithms for robot navigation. Advances in Mechanical Engineering, 2017, 9, 168781401773815.	0.8	1
126	Joint kinect and multiple external cameras simultaneous calibration. , 2017, , .		2

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127	Structure modelling of the human body using FGMM. , 2017, , .		0
128	A force-driven granular model for EMG based grasp recognition. , 2017, , .		3
129	Activity recognition for asd children based on joints estimation. , 2017, , .		0
130	Development of a mixed reality based interface for human robot interaciotn. , 2017, , .		11
131	The design of multi-task simulation manipulator based on motor imagery EEG. , 2017, , .		0
132	Simultaneous Calibration: A Joint Optimization Approach for Multiple Kinect and External Cameras. Sensors, 2017, 17, 1491.	2.1	46
133	Multiple Sensors Based Hand Motion Recognition Using Adaptive Directed Acyclic Graph. Applied Sciences (Switzerland), 2017, 7, 358.	1.3	22
134	A New Framework of Human Interaction Recognition Based on Multiple Stage Probability Fusion. Applied Sciences (Switzerland), 2017, 7, 567.	1.3	13
135	An Interactive Image Segmentation Method in Hand Gesture Recognition. Sensors, 2017, 17, 253.	2.1	61
136	Preprocessing and Transmission for 3D Point Cloud Data. Lecture Notes in Computer Science, 2017, , 438-449.	1.0	4
137	Study of Human Action Recognition Based on Improved Spatio-Temporal Features. Studies in Computational Intelligence, 2017, , 233-250.	0.7	15
138	Fuzzy Empirical Copula for Estimating Data Dependence Structure. Studies in Computational Intelligence, 2017, , 123-145.	0.7	1
139	Fuzzy Qualitative Robot Kinematics. Studies in Computational Intelligence, 2017, , 51-65.	0.7	1
140	A Unified Fuzzy Framework for Human Hand Motion Recognition. Studies in Computational Intelligence, 2017, , 147-170.	0.7	0
141	Dynamical System Algorithm Specification Analysis and Stabilization. Lecture Notes in Computer Science, 2017, , 560-569.	1.0	0
142	Fuzzy Gaussian Mixture Models. Studies in Computational Intelligence, 2017, , 95-121.	0.7	0
143	Fuzzy Qualitative Human Motion Analysis. Studies in Computational Intelligence, 2017, , 67-93.	0.7	0
144	Robust Object Tracking via Structure Learning and Patch Refinement in Handling Occlusion. Lecture Notes in Computer Science, 2017, , 449-459.	1.0	0

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145	Fuzzy Qualitative Trigonometry. Studies in Computational Intelligence, 2017, , 35-50.	0.7	2
146	A Novel Approach to Extract Hand Gesture Feature in Depth Images. Studies in Computational Intelligence, 2017, , 193-205.	0.7	5
147	An Interactive Astronaut-Robot System with Gesture Control. Computational Intelligence and Neuroscience, 2016, 2016, 1-11.	1.1	34
148	Towards Hand-Object Gesture Extraction from Depth Image. , 2016, , .		0
149	Enhanced robot learning using fuzzy Q-Learning & context-aware middleware. , 2016, , .		1
150	Road detection algorithm for Autonomous Navigation Systems based on dark channel prior and vanishing point in complex road scenes. Robotics and Autonomous Systems, 2016, 85, 1-11.	3.0	40
151	Data fusion-based real-time hand gesture recognition with Kinect V2. , 2016, , .		1
152	Real-time 3D point cloud segmentation using Growing Neural Gas with Utility. , 2016, , .		18
153	A novel approach to extract hand gesture feature in depth images. Multimedia Tools and Applications, 2016, 75, 11929-11943.	2.6	13
154	Multi-view transition HMMs based view-invariant human action recognition method. Multimedia Tools and Applications, 2016, 75, 11847-11864.	2.6	8
155	Accelerating Humanoid Robot Learning from Human Action Skills Using Context-Aware Middleware. Lecture Notes in Computer Science, 2016, , 563-574.	1.0	2
156	Real time object tracking via a mixture model. , 2015, , .		1
157	Novel Computational Tools in Biosignal Processing. Scientific World Journal, The, 2015, 2015, 1-2.	0.8	0
158	A New Wearable Ultrasound Muscle Activity Sensing System for Dexterous Prosthetic Control. , 2015, , .		46
159	Automatic Reconstruction of Dense 3D Face Point Cloud with a Single Depth Image. , 2015, , .		6
160	Time series modeling of surface EMG based hand manipulation identification via expectation maximization algorithm. Neurocomputing, 2015, 168, 661-668.	3.5	6
161	Robust Visual Tracking Based on Improved Perceptual Hashing for Robot Vision. Lecture Notes in Computer Science, 2015, , 331-340.	1.0	5
162	Intelligent Computation in Grasping Control of Dexterous Robot Hand. Journal of Computational and Theoretical Nanoscience, 2015, 12, 6096-6099.	0.4	10

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163	Intelligent Computational Control of Multi-Fingered Dexterous Robotic Hand. Journal of Computational and Theoretical Nanoscience, 2015, 12, 6126-6132.	0.4	14
164	Computation of Grasping and Manipulation for Multi-Fingered Robotic Hands. Journal of Computational and Theoretical Nanoscience, 2015, 12, 6192-6197.	0.4	14
165	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
166	Changes in EMGâ€™EMG Coherence During Hand Grasp Movements. International Journal of Humanoid Robotics, 2014, 11, 1450002.	0.6	3
167	Recognizing sEMG Patterns for Interacting with Prosthetic Manipulation. , 2014, , 283-307.		0
168	Teleoperation control of Baxter robot using body motion tracking. , 2014, , .		28
169	Real-time hand gesture feature extraction using depth data. , 2014, , .		2
170	Teleoperation of humanoid baxter robot using haptic feedback. , 2014, , .		45
171	Finger pinch force estimation through muscle activations using a surface EMG sleeve on the forearm. , 2014, , .		10
172	Grounding spatial relations in natural language by fuzzy representation for human-robot interaction. , 2014, , .		11
173	Kinematics modeling and experimental verification of baxter robot. , 2014, , .		56
174	An algorithm for real-time object tracking in complex environment. , 2014, , .		0
175	Study of Human Action Recognition Based on Improved Spatio-temporal Features. International Journal of Automation and Computing, 2014, 11, 500-509.	4.5	23
176	Dynamical Characteristics of Surface EMG Signals of Hand Grasps via Recurrence Plot. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 257-265.	3.9	72
177	A modified EM algorithm for hand gesture segmentation in RGB-D data. , 2014, , .		6
178	Image factorization and feature fusion for enhancing robot vision in human face recognition. , 2014, , .		0
179	Human Hand Motion Analysis With Multisensory Information. IEEE/ASME Transactions on Mechatronics, 2014, 19, 456-466.	3.7	99
180	Surface EMG Based Hand Manipulation Identification Via Nonlinear Feature Extraction and Classification. IEEE Sensors Journal, 2013, 13, 3302-3311.	2.4	92

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181	EMG-EMG correlation analysis for human hand movements. , 2013, , .		5
182	Depth and RGB image alignment for hand gesture segmentation using Kinect. , 2013, , .		11
183	Process model parameterisation in posegraphs. , 2013, , .		1
184	A generalised framework for analysing human hand motions based on multisensor information. , 2012, , .		3
185	Surface EMG signals determinism analysis based on recurrence plot for hand grasps. , 2012, , .		3
186	Fuzzy Gaussian Mixture Models. Pattern Recognition, 2012, 45, 1146-1158.	5.1	69
187	Mutual Information Analysis with Ordinal Pattern for EMG Based Hand Motion Recognition. Lecture Notes in Computer Science, 2012, , 499-506.	1.0	4
188	Hand motion recognition via fuzzy active curve axis Gaussian mixture models: A comparative study. , 2011, , .		3
189	A Unified Fuzzy Framework for Human-Hand Motion Recognition. IEEE Transactions on Fuzzy Systems, 2011, 19, 901-913.	6.5	67
190	EMPIRICAL COPULA-BASED TEMPLATES TO RECOGNIZE SURFACE EMG SIGNALS OF HAND MOTIONS. International Journal of Humanoid Robotics, 2011, 08, 725-741.	0.6	14
191	Recognizing Hand Grasp and Manipulation Through Empirical Copula. International Journal of Social Robotics, 2010, 2, 321-328.	3.1	12
192	Human hand motion recognition using Empirical Copula. , 2010, , .		0
193	Applying fuzzy EM algorithm with a fast convergence to GMMs. , 2010, , .		6
194	Empirical Copula Driven Hand Motion Recognition via Surface Electromyography Based Templates. Lecture Notes in Computer Science, 2010, , 71-80.	1.0	0
195	A switching fuzzy control method for the magnetic active suspension system. , 2009, , .		1
196	Dynamic Grasp Recognition Using Time Clustering, Gaussian Mixture Models and Hidden Markov Models. Advanced Robotics, 2009, 23, 1359-1371.	1.1	24
197	Fast estimating data dependence structure via fuzzy empirical copula. , 2009, , .		1
198	Special issue on interpretation of deep learning: prediction, representation, quantification and visualization. Complex & Intelligent Systems, 0, , 1.	4.0	1