

Fuchun Sun

List of Publications by Year in descending order

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306
papers

6,657
citations

147801

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h-index

128289

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all docs

306
docs citations

306
times ranked

5514
citing authors

#	ARTICLE	IF	CITATIONS
1	ZNNs With a Varying-Parameter Design Formula for Dynamic Sylvester Quaternion Matrix Equation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9981-9991.	11.3	6
2	Multifingered Robot Hand Compliant Manipulation Based on Vision-Based Demonstration and Adaptive Force Control. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 5452-5463.	11.3	9
3	Multimode Grasping Soft Gripper Achieved by Layer Jamming Structure and Tendon-Driven Mechanism. Soft Robotics, 2022, 9, 233-249.	8.0	41
4	Visual Affordance Guided Tactile Material Recognition for Waste Recycling. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2656-2664.	5.2	8
5	Predictor-Based Fuzzy Adaptive Containment Control for Nonlinear Multiagent Systems With Actuator Nonlinearity and Unmeasurable States. IEEE Transactions on Fuzzy Systems, 2022, 30, 3661-3672.	9.8	11
6	Embodied scene description. Autonomous Robots, 2022, 46, 21-43.	4.8	4
7	Multifingered Grasping Based on Multimodal Reinforcement Learning. IEEE Robotics and Automation Letters, 2022, 7, 1174-1181.	5.1	10
8	Multi-Agent Embodied Visual Semantic Navigation With Scene Prior Knowledge. IEEE Robotics and Automation Letters, 2022, 7, 3154-3161.	5.1	10
9	REVE-CE: Remote Embodied Visual Referring Expression in Continuous Environment. IEEE Robotics and Automation Letters, 2022, 7, 1494-1501.	5.1	10
10	Robust Stability Analysis and Feedback Control for Uncertain Systems With Time-Delay and External Disturbance. IEEE Transactions on Fuzzy Systems, 2022, 30, 5065-5077.	9.8	6
11	Motion Planning and Cooperative Manipulation for Mobile Robots With Dual Arms. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 1345-1356.	4.9	10
12	Improving Object Grasp Performance via Transformer-Based Sparse Shape Completion. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 104, 1.	3.4	8
13	Editorial: Cross-Modal Learning: Adaptivity, Prediction and Interaction. Frontiers in Neurorobotics, 2022, 16, 889911.	2.8	2
14	Tactile-Based Fabric Defect Detection Using Convolutional Neural Network With Attention Mechanism. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	4.7	18
15	A review on sensory perception for dexterous robotic manipulation. International Journal of Advanced Robotic Systems, 2022, 19, 172988062210959.	2.1	18
16	Fine-Grained Multilevel Fusion for Anti-Occlusion Monocular 3D Object Detection. IEEE Transactions on Image Processing, 2022, 31, 4050-4061.	9.8	5
17	Depth-Aware Vision-and-Language Navigation using Scene Query Attention Network. , 2022, , .		0
18	Audio-Visual Grounding Referring Expression for Robotic Manipulation. , 2022, , .		6

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19	Non-destructive Fruit Firmness Evaluation Using Vision-Based Tactile Information. , 2022, , .		6
20	Soft Robotic Finger Embedded with Visual Sensor for Bending Perception. Robotica, 2021, 39, 378-390.	1.9	7
21	Toward Image-to-Tactile Cross-Modal Perception for Visually Impaired People. IEEE Transactions on Automation Science and Engineering, 2021, 18, 521-529.	5.2	13
22	Active Object Discovery and Localization Using Sound-Induced Attention. IEEE Transactions on Industrial Informatics, 2021, 17, 2021-2029.	11.3	2
23	An Interactive Perception Method for Warehouse Automation in Smart Cities. IEEE Transactions on Industrial Informatics, 2021, 17, 830-838.	11.3	16
24	Personal-specific gait recognition based on latent orthogonal feature space. Cognitive Computation and Systems, 2021, 3, 61-69.	1.4	3
25	Multi-modal broad learning for material recognition. Cognitive Computation and Systems, 2021, 3, 123-130.	1.4	2
26	Semantic visual SLAM in dynamic environment. Autonomous Robots, 2021, 45, 493.	4.8	26
27	Cough Recognition Based on Mel-Spectrogram and Convolutional Neural Network. Frontiers in Robotics and AI, 2021, 8, 580080.	3.2	30
28	A novel accurate positioning method for object pose estimation in robotic manipulation based on vision and tactile sensors. International Journal of Advanced Manufacturing Technology, 2021, 116, 2999-3010.	3.0	7
29	A Novel Humanoid Soft Hand with Variable Stiffness and Multi-modal Perception *. , 2021, , .		3
30	Smart Bracelet System for Temperature Monitoring and Movement Tracking Analysis. Journal of Healthcare Engineering, 2021, 2021, 1-11.	1.9	14
31	Robust H _∞ output feedback control for type-2 Takagi-Sugeno fuzzy systems with multiple time-delays and disturbances: A descriptor redundancy approach. International Journal of Robust and Nonlinear Control, 2021, 31, 6095-6122.	3.7	12
32	Cross-Individual Gesture Recognition Based on Long Short-Term Memory Networks. Scientific Programming, 2021, 2021, 1-11.	0.7	4
33	Fabric defect detection using tactile information. , 2021, , .		7
34	Adversarial Skill Learning for Robust Manipulation. , 2021, , .		1
35	Depth-aware imbalance learning for Monocular 6DoF Vehicle Pose Estimation. , 2021, , .		0
36	Cross-modal learning for material perception using deep extreme learning machine. International Journal of Machine Learning and Cybernetics, 2020, 11, 813-823.	3.6	4

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37	Audiovisual cross-modal material surface retrieval. <i>Neural Computing and Applications</i> , 2020, 32, 14301-14309.	5.6	3
38	Cross-Modal Material Perception for Novel Objects: A Deep Adversarial Learning Method. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020, 17, 697-707.	5.2	11
39	FoveaBox: Beyond Anchor-Based Object Detection. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 7389-7398.	9.8	572
40	Single Satellite Optical Imagery Dehazing using SAR Image Prior Based on conditional Generative Adversarial Networks. , 2020, , .		38
41	Gait Neural Network for Human-Exoskeleton Interaction. <i>Frontiers in Neurorobotics</i> , 2020, 14, 58.	2.8	26
42	Self-Supervised Learning for Alignment of Objects and Sound. , 2020, , .		2
43	Edge Computing-Based Collaborative Vehicles 3D Mapping in Real Time. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 12470-12481.	6.3	6
44	Embodied tactile perception and learning. <i>Brain Science Advances</i> , 2020, 6, 132-158.	0.9	6
45	A petal-array capacitive tactile sensor with micro-pin for robotic fingertip sensing. , 2020, , .		4
46	H-infinity stability analysis and output feedback control for fuzzy stochastic networked control systems with time-varying communication delays and multipath packet dropouts. <i>Neural Computing and Applications</i> , 2020, 32, 14733-14751.	5.6	8
47	Layer jamming-based soft robotic hand with variable stiffness for compliant and effective grasping. <i>Cognitive Computation and Systems</i> , 2020, 2, 44-49.	1.4	12
48	A Boundary Based Out-of-Distribution Classifier for Generalized Zero-Shot Learning. <i>Lecture Notes in Computer Science</i> , 2020, , 572-588.	1.3	28
49	Multi-agent Embodied Question Answering in Interactive Environments. <i>Lecture Notes in Computer Science</i> , 2020, , 663-678.	1.3	10
50	A Mobile Robot Hand-Arm Teleoperation System by Vision and IMU. , 2020, , .		32
51	A Novel Interface Device Developed based on MRT for Prosthetic Hand. , 2020, , .		0
52	Local receptive field based extreme learning machine with three channels for histopathological image classification. <i>International Journal of Machine Learning and Cybernetics</i> , 2019, 10, 1437-1447.	3.6	8
53	LDS-FCM: A Linear Dynamical System Based Fuzzy C-Means Method for Tactile Recognition. <i>IEEE Transactions on Fuzzy Systems</i> , 2019, 27, 72-83.	9.8	15
54	Automatic Object Searching and Behavior Learning for Mobile Robots in Unstructured Environment by Deep Belief Networks. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2019, 11, 395-404.	3.8	15

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55	Interactive video summarization with human intentions. <i>Multimedia Tools and Applications</i> , 2019, 78, 1737-1755.	3.9	2
56	Attention Based Visual Analysis for Fast Grasp Planning With a Multi-Fingered Robotic Hand. <i>Frontiers in Neurorobotics</i> , 2019, 13, 60.	2.8	7
57	Autonomous robot navigation using Retinex algorithm for multiscale image adaptability in low-light environment. <i>Intelligent Service Robotics</i> , 2019, 12, 359-369.	2.6	12
58	Notice of Violation of IEEE Publication Principles: A Miniaturized Five-Axis Isotropic Tactile Sensor for Robotic Manipulation. <i>IEEE Sensors Journal</i> , 2019, 19, 10243-10252.	4.7	7
59	A novel multi-modal tactile sensor design using thermochromic material. <i>Science China Information Sciences</i> , 2019, 62, 1.	4.3	10
60	PointNetGPD: Detecting Grasp Configurations from Point Sets. , 2019, , .		177
61	Lifelong Learning for Heterogeneous Multi-Modal Tasks. , 2019, , .		6
62	Sound-Indicated Visual Object Detection for Robotic Exploration. , 2019, , .		5
63	Survey of imitation learning for robotic manipulation. <i>International Journal of Intelligent Robotics and Applications</i> , 2019, 3, 362-369.	2.8	71
64	Cross-Modal Surface Material Retrieval Using Discriminant Adversarial Learning. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 4978-4987.	11.3	22
65	Autoencoder-based transfer learning in brain-computer interface for rehabilitation robot. <i>International Journal of Advanced Robotic Systems</i> , 2019, 16, 172988141984086.	2.1	19
66	Adaptive Cutoff Distance Based Density Peak Pivot for Metric Space Outlier Detection. <i>Communications in Computer and Information Science</i> , 2019, , 393-405.	0.5	1
67	Attention-based Transfer Learning for Brain-computer Interface. , 2019, , .		5
68	Multimodal grasp data set: A novel visual-tactile data set for robotic manipulation. <i>International Journal of Advanced Robotic Systems</i> , 2019, 16, 172988141882157.	2.1	18
69	A glove-based system for object recognition via visual-tactile fusion. <i>Science China Information Sciences</i> , 2019, 62, 1.	4.3	11
70	Vision-Based Tactile Perception for Soft Robotic Hand. , 2019, , .		6
71	A Tendon-Driven Dexterous Hand Design with Tactile Sensor Array for Grasping and Manipulation. , 2019, , .		4
72	Pose Analysis of Humanoid Robot Imitation Process Based on Improved MLP Network. , 2019, , .		1

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73	Learning cross-modal visual-tactile representation using ensembled generative adversarial networks. Cognitive Computation and Systems, 2019, 1, 40-44.	1.4	10
74	Deep Reinforcement Learning for Robotic Pushing and Picking in Cluttered Environment. , 2019, , .		47
75	Making Sense of Audio Vibration for Liquid Height Estimation in Robotic Pouring. , 2019, , .		18
76	Open-Environment Robotic Acoustic Perception for Object Recognition. Frontiers in Neurorobotics, 2019, 13, 96.	2.8	22
77	Dynamic Gesture Recognition Using Inertial Sensors-based Data Gloves. , 2019, , .		17
78	Surface Material Retrieval Using Weakly Paired Cross-Modal Learning. IEEE Transactions on Automation Science and Engineering, 2019, 16, 781-791.	5.2	25
79	Robotic Material Perception Using Active Multimodal Fusion. IEEE Transactions on Industrial Electronics, 2019, 66, 9878-9886.	7.9	27
80	An adaptive PNN-DS approach to classification using multi-sensor information fusion. Neural Computing and Applications, 2019, 31, 693-705.	5.6	4
81	Haptic recognition using hierarchical extreme learning machine with local-receptive-field. International Journal of Machine Learning and Cybernetics, 2019, 10, 541-547.	3.6	6
82	Fused Fuzzy Petri Nets: A Shared Control Method for Brain-Computer Interface Systems. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 188-199.	3.8	13
83	Weakly paired multimodal fusion using multilayer extreme learning machine. Soft Computing, 2018, 22, 3533-3544.	3.6	10
84	Material Identification Using Tactile Perception: A Semantics-Regularized Dictionary Learning Method. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1050-1058.	5.8	27
85	Active object recognition using hierarchical local-receptive-field-based extreme learning machine. Memetic Computing, 2018, 10, 233-241.	4.0	20
86	A Review of EEG-Based Brain-Computer Interface Systems Design. Brain Science Advances, 2018, 4, 156-167.	0.9	34
87	Experiment on impedance adaptation of under-actuated gripper using tactile array under unknown environment. Science China Information Sciences, 2018, 61, 1.	4.3	8
88	Brain-inspired Multimodal Learning Based on Neural Networks. Brain Science Advances, 2018, 4, 61-72.	0.9	7
89	Wood material recognition for industrial applications. Systems Science and Control Engineering, 2018, 6, 346-358.	3.1	3
90	A Dual-Modal Vision-Based Tactile Sensor for Robotic Hand Grasping. , 2018, , .		29

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91	A novel mode controllable hybrid valve pressure control method for soft robotic gripper. International Journal of Advanced Robotic Systems, 2018, 15, 172988141880214.	2.1	13
92	Adaptive Adversarial Transfer Learning for Electroencephalography Classification. , 2018, , .		3
93	Active Object Detection Using Double DQN and Prioritized Experience Replay. , 2018, , .		4
94	Deep Transfer Learning for EEG-Based Brain Computer Interface. , 2018, , .		25
95	Surface Material Recognition Using Active Multi-modal Extreme Learning Machine. Cognitive Computation, 2018, 10, 937-950.	5.2	7
96	Small sample learning with high order contractive auto-encoders and application in SAR images. Science China Information Sciences, 2018, 61, 1.	4.3	1
97	End-to-End ConvNet for Tactile Recognition Using Residual Orthogonal Tiling and Pyramid Convolution Ensemble. Cognitive Computation, 2018, 10, 718-736.	5.2	9
98	Visualâ€“Tactile Fusion for Object Recognition. IEEE Transactions on Automation Science and Engineering, 2017, 14, 996-1008.	5.2	185
99	Disturbance Observer Based Composite Learning Fuzzy Control of Nonlinear Systems with Unknown Dead Zone. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1854-1862.	9.3	150
100	Robotic grasping recognition using multi-modal deep extreme learning machine. Multidimensional Systems and Signal Processing, 2017, 28, 817-833.	2.6	28
101	Denoising deep extreme learning machine for sparse representation. Memetic Computing, 2017, 9, 199-212.	4.0	14
102	Structured Output-Associated Dictionary Learning for Haptic Understanding. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1564-1574.	9.3	45
103	Spatial and spectral features fusion for EEG classification during motor imagery in BCI. , 2017, , .		10
104	Advancing the incremental fusion of robotic sensory features using online multi-kernel extreme learning machine. Frontiers of Computer Science, 2017, 11, 276-289.	2.4	3
105	A hybrid deep architecture for robotic grasp detection. , 2017, , .		118
106	Neural-network-based integral sliding-mode tracking control of second-order multi-agent systems with unmatched disturbances and completely unknown dynamics. International Journal of Control, Automation and Systems, 2017, 15, 1925-1935.	2.7	19
107	Deep vision networks for real-time robotic grasp detection. International Journal of Advanced Robotic Systems, 2017, 14, 172988141668270.	2.1	22
108	Robotic Room-Level Localization Using Multiple Sets of Sonar Measurements. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2-13.	4.7	77

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109	The consensus region design and analysis of fractional-order multi-agent systems. International Journal of Systems Science, 2017, 48, 629-636.	5.5	20
110	Brain-Machine Interfacing-Based Teleoperation of Multiple Coordinated Mobile Robots. IEEE Transactions on Industrial Electronics, 2017, 64, 5161-5170.	7.9	27
111	A novel wearable tactile sensor array designed for fingertip motion recognition. , 2017, , .		2
112	RON: Reverse Connection with Objectness Prior Networks for Object Detection. , 2017, , .		287
113	Learning to detect slip for stable grasping. , 2017, , .		5
114	Mechanical design and analysis of a novel dexterous hand based on grasping manipulation. , 2017, , .		1
115	From foot to head: Active face finding using deep Q-learning. , 2017, , .		4
116	Development of a Wearable Device for Motion Capturing Based on Magnetic and Inertial Measurement Units. Scientific Programming, 2017, 2017, 1-11.	0.7	19
117	Operation action recognition using wearable devices with inertial sensors. , 2017, , .		4
118	An Asynchronous Mi-Based BCI for Brain-Actuated Robot Grasping Control. , 2017, , .		2
119	Low-Rank Linear Dynamical Systems for Motor Imagery EEG. Computational Intelligence and Neuroscience, 2016, 2016, 1-7.	1.7	9
120	Object discovery and grasp detection with a shared convolutional neural network. , 2016, , .		27
121	An effective method for grasp planning on objects with complex geometry combining human experience and analytical approach. Science China Information Sciences, 2016, 59, 1.	4.3	3
122	A novel data glove for fingers motion capture using inertial and magnetic measurement units. , 2016, , .		6
123	RRT-GD: An efficient rapidly-exploring random tree approach with goal directionality for redundant manipulator path planning. , 2016, , .		10
124	Learning Cooperative Primitives with physical Human-Robot Interaction for a Human-powered Lower EXoskeleton. , 2016, , .		10
125	HyperNet: Towards Accurate Region Proposal Generation and Joint Object Detection. , 2016, , .		573
126	Virtual Strategy QoS routing in satellite networks. Science China Information Sciences, 2016, 59, 1.	4.3	1

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127	Cognitively Inspired 6D Motion Estimation of a Noncooperative Target Using Monocular RGB-D Images. Cognitive Computation, 2016, 8, 105-113.	5.2	1
128	Object Classification and Grasp Planning Using Visual and Tactile Sensing. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 969-979.	9.3	57
129	Video key-frame extraction for smart phones. Multimedia Tools and Applications, 2016, 75, 2031-2049.	3.9	4
130	Resilient control of cyber-physical systems against intelligent attacker: a hierarchal stackelberg game approach. International Journal of Systems Science, 2016, 47, 2067-2077.	5.5	72
131	3D Moth-inspired chemical plume tracking and adaptive step control strategy. Adaptive Behavior, 2016, 24, 52-65.	1.9	18
132	Object Recognition Using Tactile Measurements: Kernel Sparse Coding Methods. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 656-665.	4.7	166
133	Discovery of Topical Objects from Video: A Structured Dictionary Learning Approach. Cognitive Computation, 2016, 8, 519-528.	5.2	7
134	Scaled cluster consensus of discrete-time multi-agent systems with general directed topologies. International Journal of Systems Science, 2016, 47, 3839-3845.	5.5	23
135	Complexity of Routing in Store-and-Forward LEO Satellite Networks. IEEE Communications Letters, 2016, 20, 89-92.	4.1	13
136	Cluster consensus of high-order multi-agent systems with switching topologies. International Journal of Systems Science, 2016, 47, 2859-2868.	5.5	14
137	3D moth-inspired chemical plume tracking. , 2015, , .		1
138	Consensus of second-order multi-agent systems with time-varying delays and antagonistic interactions. Tsinghua Science and Technology, 2015, 20, 205-211.	6.1	9
139	Low-frequency robust control for singularly perturbed system. IET Control Theory and Applications, 2015, 9, 203-210.	2.1	10
140	HMAX model: A survey. , 2015, , .		8
141	Transmissive optical pretouch sensing for robotic grasping. , 2015, , .		7
142	Stabilization and Separation Principle of Networked Control Systems Using the Tâ€S Fuzzy Model Approach. IEEE Transactions on Fuzzy Systems, 2015, 23, 1832-1843.	9.8	19
143	A statistical learning based image denoising approach. Frontiers of Computer Science, 2015, 9, 713-719.	2.4	1
144	Data Fusion-based resilient control system under DoS attacks: A game theoretic approach. International Journal of Control, Automation and Systems, 2015, 13, 513-520.	2.7	31

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145	Resilient control in the presence of DoS attack: Switched system approach. International Journal of Control, Automation and Systems, 2015, 13, 1423-1435.	2.7	59
146	Non-blind deblurring of structured images with geometric deformation. Visual Computer, 2015, 31, 131-140.	3.5	7
147	Extended-state-observer-based adaptive control for synchronisation of multi-agent systems with unknown nonlinearities. International Journal of Systems Science, 2015, 46, 2520-2530.	5.5	17
148	Attitude tracking control for hypersonic vehicles based on type-2 fuzzy dynamic characteristic modeling method. , 2014, , .		3
149	A system of robotic grasping with experience acquisition. Science China Information Sciences, 2014, 57, 1-11.	4.3	5
150	Implementation of fuzzy color extractor on NI myRIO embedded device. , 2014, , .		5
151	Vessel track information mining using AIS data. , 2014, , .		17
152	Architecture and navigation strategy of BCI based semi-autonomous mobile robot. , 2014, , .		2
153	Stationary and dynamic consensus of second-order multi-agent systems with Markov jumping input delays. IET Control Theory and Applications, 2014, 8, 1905-1913.	2.1	13
154	Stabilisation of networked delta operator systems with uncertainty. IET Control Theory and Applications, 2014, 8, 2289-2296.	2.1	6
155	Adaptive tracking control of a class of MIMO nonlinear systems with time-varying delay and dead-zone inputs. , 2014, , .		0
156	A QoS-Oriented Congestion Control Mechanism for Satellite Networks. Mathematical Problems in Engineering, 2014, 2014, 1-13.	1.1	2
157	Stationary consensus of heterogeneous multi-agent systems with random delays governed by a Markov chain. , 2014, , .		0
158	Secure the control system against DoS attacks: A JDL data fusion method. , 2014, , .		2
159	Neural robust adaptive hypersonic flight control without back-stepping. , 2014, , .		0
160	Pushing operation of manipulator based on experience learning: Position prediction of an object and pushing analysis. , 2014, , .		0
161	Likelihood confidence rating based multi-modal information fusion for robot fine operation. , 2014, , .		0
162	Fuzzy Adaptive Disturbance-Observer-Based Robust Tracking Control of Electrically Driven Free-Floating Space Manipulator. IEEE Systems Journal, 2014, 8, 343-352.	4.6	66

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163	A novel method for hand pose estimation based on inertial and magnetic sensors. , 2014, , .		0
164	Linear dynamic system method for tactile object classification. Science China Information Sciences, 2014, 57, 1-11.	4.3	10
165	Using hierarchical dirichlet processes to regulate weight parameters of Restricted Boltzmann Machines. , 2014, , .		0
166	Multitask Extreme Learning Machine for Visual Tracking. Cognitive Computation, 2014, 6, 391-404.	5.2	13
167	A survivable routing protocol for two-layered LEO/MEO satellite networks. Wireless Networks, 2014, 20, 871-887.	3.0	27
168	Joint Block Structure Sparse Representation for Multi-Inputâ€“Multi-Output (MIMO) Tâ€“S Fuzzy System Identification. IEEE Transactions on Fuzzy Systems, 2014, 22, 1387-1400.	9.8	24
169	Adaptive Fuzzy Control for Multilateral Cooperative Teleoperation of Multiple Robotic Manipulators Under Random Network-Induced Delays. IEEE Transactions on Fuzzy Systems, 2014, 22, 437-450.	9.8	170
170	Sliding-Mode Predictive Control of Networked Control Systems Under a Multiple-Packet Transmission Policy. IEEE Transactions on Industrial Electronics, 2014, 61, 6234-6243.	7.9	51
171	Gain Scheduling Control of Delta Operator System Using Network-Based Measurements. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 538-547.	4.7	11
172	Fast Low-Rank Subspace Segmentation. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1293-1297.	5.7	39
173	H \hat{a} z stabilisation of networked control systems with time delays and packet losses. Mathematical Structures in Computer Science, 2014, 24, .	0.6	3
174	New results on static output feedback H_{∞} control for fuzzy singularly perturbed systems: a linear matrix inequality approach. International Journal of Robust and Nonlinear Control, 2013, 23, 681-694.	3.7	36
175	Routing for predictable Multi-Layered Satellite Networks. Science China Information Sciences, 2013, 56, 1-18.	4.3	5
176	Supervised Low-Rank Matrix Recovery for Traffic Sign Recognition in Image Sequences. IEEE Signal Processing Letters, 2013, 20, 241-244.	3.6	23
177	An adaptive P300 model for controlling a humanoid robot with mind. , 2013, , .		13
178	Resilient control of cyber-physical systems against Denial-of-Service attacks. , 2013, , .		70
179	A grasp synthesis and grasp synergy analysis for anthropomorphic hand. , 2013, , .		2
180	Rectification of Optical Characters as Transform Invariant Low-Rank Textures. , 2013, , .		6

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181	Multiple Geometry Transform Estimation from Single Camera-Captured Text Image. , 2013, , .		2
182	Dynamic Fault-Tolerant Routing Based on FSA for LEO Satellite Networks. IEEE Transactions on Computers, 2013, 62, 1945-1958.	3.4	31
183	Delay-Dependent Fuzzy Control of Networked Control Systems and Its Application. Mathematical Problems in Engineering, 2013, 2013, 1-9.	1.1	0
184	Virtual Topology for LEO Satellite Networks Based on Earth-Fixed Footprint Mode. IEEE Communications Letters, 2013, 17, 357-360.	4.1	69
185	An OpenViBE-based brainwave control system for Cerebot. , 2013, , .		10
186	An efficient population diversity measure for improved particle swarm optimization algorithm. , 2012, , .		3
187	Shared control teleoperation for targets acquisition. , 2012, , .		0
188	Estimating viewing angles in mobile street view search. , 2012, , .		1
189	A Fast and Robust Sparse Approach for Hyperspectral Data Classification Using a Few Labeled Samples. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 2287-2302.	6.3	136
190	Decentralized multi-objective robust control of interconnected fuzzy singular perturbed model with multiple perturbation parameters. , 2012, , .		3
191	Direct neural discrete control of hypersonic flight vehicle. Nonlinear Dynamics, 2012, 70, 269-278.	5.2	96
192	A dynamic T-S fuzzy systems identification algorithm based on sparsity regularization. , 2012, , .		2
193	A Novel Distributed Routing Algorithm for LEO Satellite Network. , 2012, , .		8
194	Information fusion-based mobile robot path control. , 2012, , .		1
195	Dexterous robotic hand grasp modeling using piecewise linear dynamic model. , 2012, , .		6
196	Fusion Tracking Algorithm of Mean-shift and Particle Filter Based on EMD. , 2012, , .		0
197	Person re-identification based on visual saliency. , 2012, , .		15
198	Peaking Free HGO Based Neural Hypersonic Flight Vehicle Control. , 2012, , .		1

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199	A new result on state feedback robust stabilization for discrete-time fuzzy singularly perturbed systems. Asian Journal of Control, 2012, 14, 784-794.	3.0	12
200	Maximal terminal region approach for MPC using subsets sequence. Frontiers of Electrical and Electronic Engineering, 2012, 7, 270-278.	0.5	0
201	Robust consensus for networked mechanical systems with coupling time delay. International Journal of Control, Automation and Systems, 2012, 10, 227-237.	2.7	16
202	Fusion tracking in color and infrared images using joint sparse representation. Science China Information Sciences, 2012, 55, 590-599.	4.3	79
203	Composite control based on optimal torque control and adaptive Kriging control for the CRAB rover. , 2011, , .		1
204	Adaptive discrete-time controller design with neural network for hypersonic flight vehicle via back-stepping. International Journal of Control, 2011, 84, 1543-1552.	1.9	144
205	A novel routing algorithm based on dynamic clustering for LEO satellite networks. , 2011, , .		3
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