Fuchun Sun

List of Publications by Year
in descending order

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306	6,657	147801 31	128289 60
papers	citations	h-index	g-index

306	306	306	5514
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	HyperNet: Towards Accurate Region Proposal Generation and Joint Object Detection. , 2016, , .		573
2	FoveaBox: Beyound Anchor-Based Object Detection. IEEE Transactions on Image Processing, 2020, 29, 7389-7398.	9.8	572
3	RON: Reverse Connection with Objectness Prior Networks for Object Detection. , 2017, , .		287
4	Evolutionary route planner for unmanned air vehicles. , 2005, 21, 609-620.		227
5	Visualâ€“Tactile Fusion for Object Recognition. IEEE Transactions on Automation Science and Engineering, 2017, 14, 996-1008.	5.2	185
6	PointNetGPD: Detecting Grasp Configurations from Point Sets. , 2019, , .		177
7	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
8	Object Recognition Using Tactile Measurements: Kernel Sparse Coding Methods. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 656-665.	4.7	166
9	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
10	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
11	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
12	A hybrid deep architecture for robotic grasp detection. , 2017, , .		118
13	Direct neural discrete control of hypersonic flight vehicle. Nonlinear Dynamics, 2012, 70, 269-278.	5.2	96
14	Stability analysis and synthesis of fuzzy singularly perturbed systems. IEEE Transactions on Fuzzy Systems, 2005, 13, 273-284.	9.8	91
15	Neural network-based adaptive controller design of robotic manipulators with an observer. IEEE Transactions on Neural Networks, 2001, 12, 54-67.	4.2	89
16	Fusion tracking in color and infrared images using joint sparse representation. Science China Information Sciences, 2012, 55, 590-599.	4.3	79
17	A sustainable heuristic QoS routing algorithm for pervasive multi-layered satellite wireless networks. Wireless Networks, 2010, 16, 1657-1673.	3.0	77
18	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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19	Neuro-Fuzzy Dynamic-Inversion-Based Adaptive Control for Robotic Manipulators—Discrete Time Case. IEEE Industrial Electronics Magazine, 2007, 54, 1342-1351.	2.6	72
20	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
21	Design of Reduced-Order<tex>$ cal H_infty $</tex>Filter for Markovian Jumping Systems With Time Delay. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2004, 51, 607-612.	2.2	71
22	Survey of imitation learning for robotic manipulation. International Journal of Intelligent Robotics and Applications, 2019, 3, 362-369.	2.8	71
23	Resilient control of cyber-physical systems against Denial-of-Service attacks. , 2013, , .		70
24	Virtual Topology for LEO Satellite Networks Based on Earth-Fixed Footprint Mode. IEEE Communications Letters, 2013, 17, 357-360.	4.1	69
25	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
26	Robust control of uncertain discrete-time Markovian jump systems with actuator saturation. International Journal of Control, 2006, 79, 805-812.	1.9	59
27	Gain-Scheduling-Based State Feedback Integral Control for Networked Control Systems. IEEE Transactions on Industrial Electronics, 2011, 58, 2465-2472.	7.9	59
28	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
29	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
30	Path control of a surface ship in restricted waters using sliding mode. IEEE Transactions on Control Systems Technology, 2000, 8, 722-732.	5.2	56
31	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
32	Deep Reinforcement Learning for Robotic Pushing and Picking in Cluttered Environment. , 2019, , .		47
33	Structured Output-Associated Dictionary Learning for Haptic Understanding. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1564-1574.	9.3	45
34	Multimode Grasping Soft Gripper Achieved by Layer Jamming Structure and Tendon-Driven Mechanism. Soft Robotics, 2022, 9, 233-249.	8.0	41
35	Fast Low-Rank Subspace Segmentation. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1293-1297.	5.7	39
36	Single Satellite Optical Imagery Dehazing using SAR Image Prior Based on conditional Generative Adversarial Networks. , 2020, , .		38

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37	A novel QoS routing protocol for LEO and MEO satellite networks. International Journal of Satellite Communications and Networking, 2007, 25, 603-617.	1.8	36
38	New results on static output feedback H_{â€‰âˆžâ€‰} 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
39	A Review of EEG-Based Brain-Computer Interface Systems Design. Brain Science Advances, 2018, 4, 156-167.	0.9	34
40	A Mobile Robot Hand-Arm Teleoperation System by Vision and IMU. , 2020, , .		32
41	Dynamic Fault-Tolerant Routing Based on FSA for LEO Satellite Networks. IEEE Transactions on Computers, 2013, 62, 1945-1958.	3.4	31
42	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
43	Cough Recognition Based on Mel-Spectrogram and Convolutional Neural Network. Frontiers in Robotics and AI, 2021, 8, 580080.	3.2	30
44	A Dual-Modal Vision-Based Tactile Sensor for Robotic Hand Grasping. , 2018, , .		29
45	Robotic grasping recognition using multi-modal deep extreme learning machine. Multidimensional Systems and Signal Processing, 2017, 28, 817-833.	2.6	28
46	A Boundary Based Out-of-Distribution Classifier for Generalized Zero-Shot Learning. Lecture Notes in Computer Science, 2020, , 572-588.	1.3	28
47	A survivable routing protocol for two-layered LEO/MEO satellite networks. Wireless Networks, 2014, 20, 871-887.	3.0	27
48	Object discovery and grasp detection with a shared convolutional neural network. , 2016, , .		27
49	Brainâ€“Machine Interfacing-Based Teleoperation of Multiple Coordinated Mobile Robots. IEEE Transactions on Industrial Electronics, 2017, 64, 5161-5170.	7.9	27
50	Material Identification Using Tactile Perception: A Semantics-Regularized Dictionary Learning Method. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1050-1058.	5.8	27
51	Robotic Material Perception Using Active Multimodal Fusion. IEEE Transactions on Industrial Electronics, 2019, 66, 9878-9886.	7.9	27
52	Gait Neural Network for Human-Exoskeleton Interaction. Frontiers in Neurorobotics, 2020, 14, 58.	2.8	26
53	Semantic visual SLAM in dynamic environment. Autonomous Robots, 2021, 45, 493.	4.8	26
54	Deep Transfer Learning for EEG-Based Brain Computer Interface. , 2018, , .		25

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55	Surface Material Retrieval Using Weakly Paired Cross-Modal Learning. IEEE Transactions on Automation Science and Engineering, 2019, 16, 781-791.	5.2	25
56	Fuzzy clustering with novel separable criterion. Tsinghua Science and Technology, 2006, 11, 50-53.	6.1	24
57	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
58	Optimal Trajectory Planning of a Flexible Dual-Arm Space Robot with Vibration Reduction. Journal of Intelligent and Robotic Systems: Theory and Applications, 2004, 40, 147-163.	3.4	23
59	Supervised Low-Rank Matrix Recovery for Traffic Sign Recognition in Image Sequences. IEEE Signal Processing Letters, 2013, 20, 241-244.	3.6	23
60	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
61	Improved validation index for fuzzy clustering. , 0, , .		22
62	Deep vision networks for real-time robotic grasp detection. International Journal of Advanced Robotic Systems, 2017, 14, 172988141668270.	2.1	22
63	Cross-Modal Surface Material Retrieval Using Discriminant Adversarial Learning. IEEE Transactions on Industrial Informatics, 2019, 15, 4978-4987.	11.3	22
64	Open-Environment Robotic Acoustic Perception for Object Recognition. Frontiers in Neurorobotics, 2019, 13, 96.	2.8	22
65	Visual Tracking Using Sparsity Induced Similarity. , 2010, , .		20
66	The consensus region design and analysis of fractional-order multi-agent systems. International Journal of Systems Science, 2017, 48, 629-636.	5.5	20
67	Active object recognition using hierarchical local-receptive-field-based extreme learning machine. Memetic Computing, 2018, 10, 233-241.	4.0	20
68	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
69	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
70	Development of a Wearable Device for Motion Capturing Based on Magnetic and Inertial Measurement Units. Scientific Programming, 2017, 2017, 1-11.	0.7	19
71	Autoencoder-based transfer learning in brainâ€“computer interface for rehabilitation robot. International Journal of Advanced Robotic Systems, 2019, 16, 172988141984086.	2.1	19
72	Fuzzy Particle Filtering for Uncertain Systems. IEEE Transactions on Fuzzy Systems, 2008, 16, 1114-1129.	9.8	18

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73	3D Moth-inspired chemical plume tracking and adaptive step control strategy. Adaptive Behavior, 2016, 24, 52-65.	1.9	18
74	Multimodal grasp data set: A novel visualâ€“tactile data set for robotic manipulation. International Journal of Advanced Robotic Systems, 2019, 16, 172988141882157.	2.1	18
75	Making Sense of Audio Vibration for Liquid Height Estimation in Robotic Pouring. , 2019, , .		18
76	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
77	A review on sensory perception for dexterous robotic manipulation. International Journal of Advanced Robotic Systems, 2022, 19, 172988062210959.	2.1	18
78	Multi-objective robust control based on fuzzy singularly perturbed models for hypersonic vehicles. Science China Information Sciences, 2011, 54, 563-576.	4.3	17
79	Vessel track information mining using AIS data. , 2014, , .		17
80	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
81	Dynamic Gesture Recognition Using Inertial Sensors-based Data Gloves. , 2019, , .		17
82	Robust consensus for networked mechanical systems with coupling time delay. International Journal of Control, Automation and Systems, 2012, 10, 227-237.	2.7	16
83	An Interactive Perception Method for Warehouse Automation in Smart Cities. IEEE Transactions on Industrial Informatics, 2021, 17, 830-838.	11.3	16
84	Path control of a surface ship in restricted waters using sliding mode. , 0, , .		15
85	Person re-identification based on visual saliency. , 2012, , .		15
86	LDS-FCM: A Linear Dynamical System Based Fuzzy C-Means Method for Tactile Recognition. IEEE Transactions on Fuzzy Systems, 2019, 27, 72-83.	9.8	15
87	Automatic Object Searching and Behavior Learning for Mobile Robots in Unstructured Environment by Deep Belief Networks. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 395-404.	3.8	15
88	A robust training algorithm of discrete-time MIMO RNN and application in fault tolerant control of robotic system. Neural Computing and Applications, 2010, 19, 1013-1027.	5.6	14
89	Cluster consensus of high-order multi-agent systems with switching topologies. International Journal of Systems Science, 2016, 47, 2859-2868.	5.5	14
90	Denoising deep extreme learning machine for sparse representation. Memetic Computing, 2017, 9, 199-212.	4.0	14

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91	Smart Bracelet System for Temperature Monitoring and Movement Tracking Analysis. Journal of Healthcare Engineering, 2021, 2021, 1-11.	1.9	14
92	Stable Sampled-data Adaptive Control of Robot Arms Using Neural Networks. Journal of Intelligent and Robotic Systems: Theory and Applications, 1997, 20, 131-155.	3.4	13
93	Title is missing!. Journal of Intelligent and Robotic Systems: Theory and Applications, 1999, 26, 91-100.	3.4	13
94	Online chaotic time series prediction using unbiased composite kernel machine via Cholesky factorization. Soft Computing, 2010, 14, 931-944.	3.6	13
95	An adaptive P300 model for controlling a humanoid robot with mind. , 2013, , .		13
96	Stationary and dynamic consensus of secondâ€•order multiâ€•agent systems with Markov jumping input delays. IET Control Theory and Applications, 2014, 8, 1905-1913.	2.1	13
97	Multitask Extreme Learning Machine for Visual Tracking. Cognitive Computation, 2014, 6, 391-404.	5.2	13
98	Complexity of Routing in Store-and-Forward LEO Satellite Networks. IEEE Communications Letters, 2016, 20, 89-92.	4.1	13
99	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
100	Fused Fuzzy Petri Nets: A Shared Control Method for Brainâ€“Computer Interface Systems. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 188-199.	3.8	13
101	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
102	A new result on state feedback robust stabilization for discreteâ€•time fuzzy singularly perturbed systems. Asian Journal of Control, 2012, 14, 784-794.	3.0	12
103	Autonomous robot navigation using Retinex algorithm for multiscale image adaptability in low-light environment. Intelligent Service Robotics, 2019, 12, 359-369.	2.6	12
104	RobustH_{â^ž}output feedback control for typeâ€2<scp>Takagiâ€Sugeno</scp>fuzzy systems with multiple timeâ€delays and disturbances: A descriptor redundancy approach. International Journal of Robust and Nonlinear Control, 2021, 31, 6095-6122.	3.7	12
105	Layer jammingâ€based soft robotic hand with variable stiffness for compliant and effective grasping. Cognitive Computation and Systems, 2020, 2, 44-49.	1.4	12
106	Decentralized UAV formation tracking flight control using gyroscopic force. , 2009, , .		11
107	Gain Scheduling Control of Delta Operator System Using Network-Based Measurements. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 538-547.	4.7	11
108	A glove-based system for object recognition via visual-tactile fusion. Science China Information Sciences, 2019, 62, 1.	4.3	11

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109	Cross-Modal Material Perception for Novel Objects: A Deep Adversarial Learning Method. IEEE Transactions on Automation Science and Engineering, 2020, 17, 697-707.	5.2	11
110	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
111	The adaptive sliding mode control based on a fuzzy neural network for manipulators. , 0, , .		10
112	AQoS routing based on heuristic algorithm for Double-Layered Satellite Networks. , 2008, , .		10
113	An adaptive PNN-DS approach to classification using multi-sensor information fusion. Neural Computing and Applications, 2009, 18, 455-467.	5.6	10
114	A new approach to fuzzy modeling and control for nonlinear dynamic systems: Neuro-fuzzy dynamic characteristic modeling and adaptive control mechanism. International Journal of Control, Automation and Systems, 2009, 7, 123-132.	2.7	10
115	An OpenViBE-based brainwave control system for Cerebot. , 2013, , .		10
116	Linear dynamic system method for tactile object classification. Science China Information Sciences, 2014, 57, 1-11.	4.3	10
117	Lowâ€frequency robust control for singularly perturbed system. IET Control Theory and Applications, 2015, 9, 203-210.	2.1	10
118	RRT-GD: An efficient rapidly-exploring random tree approach with goal directionality for redundant manipulator path planning. , 2016, , .		10
119	Learning Cooperative Primitives with physical Human-Robot Interaction for a HUman-powered Lower EXoskeleton. , 2016, , .		10
120	Spatial and spectral features fusion for EEG classification during motor imagery in BCI. , 2017, , .		10
121	Weakly paired multimodal fusion using multilayer extreme learning machine. Soft Computing, 2018, 22, 3533-3544.	3.6	10
122	A novel multi-modal tactile sensor design using thermochromic material. Science China Information Sciences, 2019, 62, 1.	4.3	10
123	Learning crossâ€modal visualâ€tactile representation using ensembled generative adversarial networks. Cognitive Computation and Systems, 2019, 1, 40-44.	1.4	10
124	Multi-agent Embodied Question Answering in Interactive Environments. Lecture Notes in Computer Science, 2020, , 663-678.	1.3	10
125	Multifingered Grasping Based on Multimodal Reinforcement Learning. IEEE Robotics and Automation Letters, 2022, 7, 1174-1181.	5.1	10
126	Multi-Agent Embodied Visual Semantic Navigation With Scene Prior Knowledge. IEEE Robotics and Automation Letters, 2022, 7, 3154-3161.	5.1	10

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127	REVE-CE: Remote Embodied Visual Referring Expression in Continuous Environment. IEEE Robotics and Automation Letters, 2022, 7, 1494-1501.	5.1	10
128	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
129	An adaptive feature fusion framework for multi-class classification based on SVM. Soft Computing, 2008, 12, 685-691.	3.6	9
130	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
131	Low-Rank Linear Dynamical Systems for Motor Imagery EEG. Computational Intelligence and Neuroscience, 2016, 2016, 1-7.	1.7	9
132	End-to-End ConvNet for Tactile Recognition Using Residual Orthogonal Tiling and Pyramid Convolution Ensemble. Cognitive Computation, 2018, 10, 718-736.	5.2	9
133	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
134	Passive four-channel multilateral shared control architecture in teleoperation. , 2010, , .		8
135	A Novel Distributed Routing Algorithm for LEO Satellite Network. , 2012, , .		8
136	HMAX model: A survey. , 2015, , .		8
137	Experiment on impedance adaptation of under-actuated gripper using tactile array under unknown environment. Science China Information Sciences, 2018, 61, 1.	4.3	8
138	Local receptive field based extreme learning machine with three channels for histopathological image classification. International Journal of Machine Learning and Cybernetics, 2019, 10, 1437-1447.	3.6	8
139	H-infinity stability analysis and output feedback control for fuzzy stochastic networked control systems with time-varying communication delays and multipath packet dropouts. Neural Computing and Applications, 2020, 32, 14733-14751.	5.6	8
140	Visual Affordance Guided Tactile Material Recognition for Waste Recycling. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2656-2664.	5.2	8
141	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
142	Benchmarkinng of Routing Protocols for Layered Satellite Networks. , 2006, , .		7
143	Two Novel Kernel-Based Semi-Supervised Clustering Methods by Seeding. , 2009, , .		7
144	Mixed H<inf>2</inf>H<inf>â^ž</inf> control using a fuzzy singularly perturbed model with multiple perturbation parameters for gust load alleviation. Tsinghua Science and Technology, 2011, 16, 344-351.	6.1	7

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145	Transmissive optical pretouch sensing for robotic grasping. , 2015, , .		7
146	Non-blind deblurring of structured images with geometric deformation. Visual Computer, 2015, 31, 131-140.	3.5	7
147	Discovery of Topical Objects from Video: A Structured Dictionary Learning Approach. Cognitive Computation, 2016, 8, 519-528.	5.2	7
148	Brain-inspired Multimodal Learning Based on Neural Networks. Brain Science Advances, 2018, 4, 61-72.	0.9	7
149	Surface Material Recognition Using Active Multi-modal Extreme Learning Machine. Cognitive Computation, 2018, 10, 937-950.	5.2	7
150	Attention Based Visual Analysis for Fast Grasp Planning With a Multi-Fingered Robotic Hand. Frontiers in Neurorobotics, 2019, 13, 60.	2.8	7
151	Notice of Violation of IEEE Publication Principles: A Miniaturized Five-Axis Isotropic Tactile Sensor for Robotic Manipulation. IEEE Sensors Journal, 2019, 19, 10243-10252.	4.7	7
152	Soft Robotic Finger Embedded with Visual Sensor for Bending Perception. Robotica, 2021, 39, 378-390.	1.9	7
153	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
154	Fabric defect detection using tactile information. , 2021, , .		7
155	Towards Embodied Scene Description. , 0, , .		7
156	Neural network plus fuzzy PD control of tip vibration for flexible-link manipulators. , 0, , .		6
157	Vehicle tracking using stochastic fusion-based particle filter. , 2007, , .		6
158	Symmetry-Aided Particle Filter for Vehicle Tracking. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	6
159	Optimal four-impulse rendezvous between coplanar elliptical orbits. Science China: Physics, Mechanics and Astronomy, 2011, 54, 792-802.	5.1	6
160	Pulse coupled neural network edge-based algorithm for image text locating. Tsinghua Science and Technology, 2011, 16, 22-30.	6.1	6
161	Dexterous robotic hand grasp modeling using piecewise linear dynamic model. , 2012, , .		6
162	Rectification of Optical Characters as Transform Invariant Low-Rank Textures. , 2013, , .		6

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163	Stabilisation of networked delta operator systems with uncertainty. IET Control Theory and Applications, 2014, 8, 2289-2296.	2.1	6
164	A novel data glove for fingers motion capture using inertial and magnetic measurement units. , 2016, , .		6
165	Lifelong Learning for Heterogeneous Multi-Modal Tasks. , 2019, , .		6
166	Vision-Based Tactile Perception for Soft Robotic Hand. , 2019, , .		6
167	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
168	Edge Computing-Based Collaborative Vehicles 3DÂMapping in Real Time. IEEE Transactions on Vehicular Technology, 2020, 69, 12470-12481.	6.3	6
169	Embodied tactile perception and learning. Brain Science Advances, 2020, 6, 132-158.	0.9	6
170	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
171	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
172	Audio-Visual Grounding Referring Expression for Robotic Manipulation. , 2022, , .		6
173	Non-destructive Fruit Firmness Evaluation Using Vision-Based Tactile Information. , 2022, , .		6
174	Online Route Planner for Unmanned Air Vehicle Navigation in Unknown Battlefield Environment. , 2006, , .		5
175	Cloud Model-based Controller Design for Flexible-Link Manipulators. , 2006, , .		5
176	Space teleoperation with large time delay based on vision feedback and virtual reality. , 2009, , .		5
177	Ciphertext verification security of symmetric encryption schemes. Science in China Series F: Information Sciences, 2009, 52, 1617-1631.	1.1	5
178	Distributed 6DOF coordination control of spacecraft formation with coupling time delay. , 2010, , .		5
179	Routing for predictable Multi-Layered Satellite Networks. Science China Information Sciences, 2013, 56, 1-18.	4.3	5
180	A system of robotic grasping with experience acquisition. Science China Information Sciences, 2014, 57, 1-11.	4.3	5

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181	Implementation of fuzzy color extractor on NI myRIO embedded device. , 2014, , .		5
182	Learning to detect slip for stable grasping. , 2017, , .		5
183	Sound-Indicated Visual Object Detection for Robotic Exploration. , 2019, , .		5
184	Attention-based Transfer Learning for Brain-computer Interface. , 2019, , .		5
185	Fine-Grained Multilevel Fusion for Anti-Occlusion Monocular 3D Object Detection. IEEE Transactions on Image Processing, 2022, 31, 4050-4061.	9.8	5
186	Fuzzy control for nonlinear singularly perturbed systems with time-delay. , 0, , .		4
187	Guaranteed cost control for NCSs via a discrete-time jump fuzzy system approach. , 0, , .		4
188	A Writer Recognition approach Based on SVM. , 2006, , .		4
189	A Constructive Approach to Approximate Linear Periodic Systems. IEEE Transactions on Automatic Control, 2007, 52, 541-546.	5.7	4
190	Universal Approximation for Takagi-Sugeno Fuzzy Systems Using Dynamically Constructive Method-SISO Cases. , 2007, , .		4
191	Video key-frame extraction for smart phones. Multimedia Tools and Applications, 2016, 75, 2031-2049.	3.9	4
192	From foot to head: Active face finding using deep Q-learning. , 2017, , .		4
193	Operation action recognition using wearable devices with inertial sensors. , 2017, , .		4
194	Active Object Detection Using Double DQN and Prioritized Experience Replay. , 2018, , .		4
195	A Tendon-Driven Dexterous Hand Design with Tactile Sensor Array for Grasping and Manipulation. , 2019, , .		4
196	An adaptive PNN-DS approach to classification using multi-sensor information fusion. Neural Computing and Applications, 2019, 31, 693-705.	5.6	4
197	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
198	A petal-array capacitive tactile sensor with micro-pin for robotic fingertip sensing. , 2020, , .		4

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199	Cross-Individual Gesture Recognition Based on Long Short-Term Memory Networks. Scientific Programming, 2021, 2021, 1-11.	0.7	4
200	Embodied scene description. Autonomous Robots, 2022, 46, 21-43.	4.8	4
201	A multirate adaptive composite controller for flexible-link robots using neural networks. , 0, , .		3
202	Fusion tracking in color and infrared images using sequential belief propagation. , 2008, , .		3
203	Semi-supervised particle filter for visual tracking. , 2009, , .		3
204	A Multi-QoS Objective Optimization Routing for Hierarchical Satellite Networks. , 2010, , .		3
205	A QoS Routing Scheme Based on Ground Station for LEO Satellite Networks. , 2010, , .		3
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