

Fuchun Sun

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8878798/fuchun-sun-publications-by-citations.pdf>

Version: 2024-04-17

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

241
papers

4,185
citations

31
h-index

58
g-index

306
ext. papers

5,426
ext. citations

3.7
avg. IF

6.08
L-index

#	Paper	IF	Citations
241	HyperNet: Towards Accurate Region Proposal Generation and Joint Object Detection 2016 ,		387
240	FoveaBox: Beyond Anchor-Based Object Detection. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 7389-7398	8.7	234
239	RON: Reverse Connection with Objectness Prior Networks for Object Detection 2017 ,		210
238	Evolutionary route planner for unmanned air vehicles 2005 , 21, 609-620		182
237	Object Recognition Using Tactile Measurements: Kernel Sparse Coding Methods. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2016 , 65, 656-665	5.2	142
236	Visual-Tactile Fusion for Object Recognition. <i>IEEE Transactions on Automation Science and Engineering</i> , 2017 , 14, 996-1008	4.9	140
235	Adaptive Fuzzy Control for Multilateral Cooperative Teleoperation of Multiple Robotic Manipulators Under Random Network-Induced Delays. <i>IEEE Transactions on Fuzzy Systems</i> , 2014 , 22, 437-450	8.3	135
234	Disturbance Observer Based Composite Learning Fuzzy Control of Nonlinear Systems with Unknown Dead Zone. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 1854-1862	7.3	110
233	A Fast and Robust Sparse Approach for Hyperspectral Data Classification Using a Few Labeled Samples. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012 , 50, 2287-2302	8.1	110
232	Adaptive discrete-time controller design with neural network for hypersonic flight vehicle via back-stepping. <i>International Journal of Control</i> , 2011 , 84, 1543-1552	1.5	102
231	Stability analysis and synthesis of fuzzy singularly perturbed systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2005 , 13, 273-284	8.3	75
230	Direct neural discrete control of hypersonic flight vehicle. <i>Nonlinear Dynamics</i> , 2012 , 70, 269-278	5	71
229	PointNetGPD: Detecting Grasp Configurations from Point Sets 2019 ,		66
228	Neural network-based adaptive controller design of robotic manipulators with an observer. <i>IEEE Transactions on Neural Networks</i> , 2001 , 12, 54-67		65
227	Design of reduced-order H/sub /spl infin// filter for Markovian jumping systems with time delay. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2004 , 51, 607-612		61
226	Resilient control of cyber-physical systems against intelligent attacker: a hierarchal stackelberg game approach. <i>International Journal of Systems Science</i> , 2016 , 47, 2067-2077	2.3	59
225	A sustainable heuristic QoS routing algorithm for pervasive multi-layered satellite wireless networks. <i>Wireless Networks</i> , 2010 , 16, 1657-1673	2.5	59

224	Robotic Room-Level Localization Using Multiple Sets of Sonar Measurements. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017 , 66, 2-13	5.2	58
223	A hybrid deep architecture for robotic grasp detection 2017 ,		56
222	Fusion tracking in color and infrared images using joint sparse representation. <i>Science China Information Sciences</i> , 2012 , 55, 590-599	3.4	54
221	Neuro-Fuzzy Dynamic-Inversion-Based Adaptive Control for Robotic ManipulatorsDiscrete Time Case. <i>IEEE Industrial Electronics Magazine</i> , 2007 , 54, 1342-1351	6.2	54
220	Fuzzy Adaptive Disturbance-Observer-Based Robust Tracking Control of Electrically Driven Free-Floating Space Manipulator. <i>IEEE Systems Journal</i> , 2014 , 8, 343-352	4.3	50
219	Resilient control of cyber-physical systems against Denial-of-Service attacks 2013 ,		49
218	Gain-Scheduling-Based State Feedback Integral Control for Networked Control Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2011 , 58, 2465-2472	8.9	46
217	Robust control of uncertain discrete-time Markovian jump systems with actuator saturation. <i>International Journal of Control</i> , 2006 , 79, 805-812	1.5	43
216	Path control of a surface ship in restricted waters using sliding mode. <i>IEEE Transactions on Control Systems Technology</i> , 2000 , 8, 722-732	4.8	43
215	Object Classification and Grasp Planning Using Visual and Tactile Sensing. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 969-979	7.3	42
214	Structured Output-Associated Dictionary Learning for Haptic Understanding. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 1564-1574	7.3	40
213	Resilient control in the presence of DoS attack: Switched system approach. <i>International Journal of Control, Automation and Systems</i> , 2015 , 13, 1423-1435	2.9	40
212	Sliding-Mode Predictive Control of Networked Control Systems Under a Multiple-Packet Transmission Policy. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 6234-6243	8.9	40
211	Virtual Topology for LEO Satellite Networks Based on Earth-Fixed Footprint Mode. <i>IEEE Communications Letters</i> , 2013 , 17, 357-360	3.8	38
210	Fast Low-Rank Subspace Segmentation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 1293-1297	4.2	31
209	New results on static output feedback H_{∞} control for fuzzy singularly perturbed systems: a linear matrix inequality approach. <i>International Journal of Robust and Nonlinear Control</i> , 2013 , 23, 681-694	3.6	28
208	Data Fusion-based resilient control system under DoS attacks: A game theoretic approach. <i>International Journal of Control, Automation and Systems</i> , 2015 , 13, 513-520	2.9	25
207	A novel QoS routing protocol for LEO and MEO satellite networks. <i>International Journal of Satellite Communications and Networking</i> , 2007 , 25, 603-617	1.7	25

206	Survey of imitation learning for robotic manipulation. <i>International Journal of Intelligent Robotics and Applications</i> , 2019 , 3, 362-369	1.7	24
205	Robotic Material Perception Using Active Multimodal Fusion. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 9878-9886	8.9	22
204	Robotic grasping recognition using multi-modal deep extreme learning machine. <i>Multidimensional Systems and Signal Processing</i> , 2017 , 28, 817-833	1.8	21
203	BrainMachine Interfacing-Based Teleoperation of Multiple Coordinated Mobile Robots. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5161-5170	8.9	21
202	A Review of EEG-Based Brain-Computer Interface Systems Design. <i>Brain Science Advances</i> , 2018 , 4, 156-167		21
201	Material Identification Using Tactile Perception: A Semantics-Regularized Dictionary Learning Method. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018 , 23, 1050-1058	5.5	20
200	Dynamic Fault-Tolerant Routing Based on FSA for LEO Satellite Networks. <i>IEEE Transactions on Computers</i> , 2013 , 62, 1945-1958	2.5	20
199	Joint Block Structure Sparse Representation for Multi-InputMulti-Output (MIMO) TB Fuzzy System Identification. <i>IEEE Transactions on Fuzzy Systems</i> , 2014 , 22, 1387-1400	8.3	19
198	A Dual-Modal Vision-Based Tactile Sensor for Robotic Hand Grasping 2018 ,		19
197	Active object recognition using hierarchical local-receptive-field-based extreme learning machine. <i>Memetic Computing</i> , 2018 , 10, 233-241	3.4	18
196	Deep vision networks for real-time robotic grasp detection. <i>International Journal of Advanced Robotic Systems</i> , 2017 , 14, 172988141668270	1.4	17
195	Fuzzy clustering with novel separable criterion. <i>Tsinghua Science and Technology</i> , 2006 , 11, 50-53	3.4	17
194	Scaled cluster consensus of discrete-time multi-agent systems with general directed topologies. <i>International Journal of Systems Science</i> , 2016 , 47, 3839-3845	2.3	16
193	A survivable routing protocol for two-layered LEO/MEO satellite networks. <i>Wireless Networks</i> , 2014 , 20, 871-887	2.5	16
192	The consensus region design and analysis of fractional-order multi-agent systems. <i>International Journal of Systems Science</i> , 2017 , 48, 629-636	2.3	16
191	Stabilization and Separation Principle of Networked Control Systems Using the TB Fuzzy Model Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 1832-1843	8.3	16
190	Multi-objective robust control based on fuzzy singularly perturbed models for hypersonic vehicles. <i>Science China Information Sciences</i> , 2011 , 54, 563-576	3.4	16
189	Fuzzy Particle Filtering for Uncertain Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2008 , 16, 1114-1129	8.3	16

188	Optimal Trajectory Planning of a Flexible Dual-Arm Space Robot with Vibration Reduction. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2004 , 40, 147-163	2.9	16
187	Object discovery and grasp detection with a shared convolutional neural network 2016 ,		16
186	Surface Material Retrieval Using Weakly Paired Cross-Modal Learning. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019 , 16, 781-791	4.9	16
185	Cross-Modal Surface Material Retrieval Using Discriminant Adversarial Learning. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 4978-4987	11.9	15
184	Extended-state-observer-based adaptive control for synchronisation of multi-agent systems with unknown nonlinearities. <i>International Journal of Systems Science</i> , 2015 , 46, 2520-2530	2.3	15
183	Supervised Low-Rank Matrix Recovery for Traffic Sign Recognition in Image Sequences. <i>IEEE Signal Processing Letters</i> , 2013 , 20, 241-244	3.2	15
182	Neural-network-based integral sliding-mode tracking control of second-order multi-agent systems with unmatched disturbances and completely unknown dynamics. <i>International Journal of Control, Automation and Systems</i> , 2017 , 15, 1925-1935	2.9	15
181	Deep Reinforcement Learning for Robotic Pushing and Picking in Cluttered Environment 2019 ,		15
180	3D Moth-inspired chemical plume tracking and adaptive step control strategy. <i>Adaptive Behavior</i> , 2016 , 24, 52-65	1.1	14
179	Robust consensus for networked mechanical systems with coupling time delay. <i>International Journal of Control, Automation and Systems</i> , 2012 , 10, 227-237	2.9	14
178	Visual Tracking Using Sparsity Induced Similarity 2010 ,		14
177	Denoising deep extreme learning machine for sparse representation. <i>Memetic Computing</i> , 2017 , 9, 199-212	3.7	13
176	Multitask Extreme Learning Machine for Visual Tracking. <i>Cognitive Computation</i> , 2014 , 6, 391-404	4.4	13
175	A robust training algorithm of discrete-time MIMO RNN and application in fault tolerant control of robotic system. <i>Neural Computing and Applications</i> , 2010 , 19, 1013-1027	4.8	13
174	Development of a Wearable Device for Motion Capturing Based on Magnetic and Inertial Measurement Units. <i>Scientific Programming</i> , 2017 , 2017, 1-11	1.4	11
173	Vessel track information mining using AIS data 2014 ,		11
172	A Mobile Robot Hand-Arm Teleoperation System by Vision and IMU 2020 ,		11
171	Gait Neural Network for Human-Exoskeleton Interaction. <i>Frontiers in Neurobotics</i> , 2020 , 14, 58	3.4	11

170	Multimodal grasp data set: A novel visual-tactile data set for robotic manipulation. <i>International Journal of Advanced Robotic Systems</i> , 2019 , 16, 172988141882157	1.4	10
169	Complexity of Routing in Store-and-Forward LEO Satellite Networks. <i>IEEE Communications Letters</i> , 2016 , 20, 89-92	3.8	10
168	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	8.3	10
167	Person re-identification based on visual saliency 2012 ,		10
166	A new approach to fuzzy modeling and control for nonlinear dynamic systems: Neuro-fuzzy dynamic characteristic modeling and adaptive control mechanism. <i>International Journal of Control, Automation and Systems</i> , 2009 , 7, 123-132	2.9	10
165	Deep Transfer Learning for EEG-Based Brain Computer Interface 2018 ,		10
164	Cluster consensus of high-order multi-agent systems with switching topologies. <i>International Journal of Systems Science</i> , 2016 , 47, 2859-2868	2.3	9
163	Autoencoder-based transfer learning in brain-computer interface for rehabilitation robot. <i>International Journal of Advanced Robotic Systems</i> , 2019 , 16, 172988141984086	1.4	9
162	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	9
161	Stationary and dynamic consensus of second-order multi-agent systems with Markov jumping input delays. <i>IET Control Theory and Applications</i> , 2014 , 8, 1905-1913	2.5	9
160	A new result on state feedback robust stabilization for discrete-time fuzzy singularly perturbed systems. <i>Asian Journal of Control</i> , 2012 , 14, 784-794	1.7	9
159	Online chaotic time series prediction using unbiased composite kernel machine via Cholesky factorization. <i>Soft Computing</i> , 2010 , 14, 931-944	3.5	9
158	Stable Neuro-Adaptive Control for Robots with the Upper Bound Estimation on the Neural Approximation Errors. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 1999 , 26, 91-100	2.9	9
157	Single Satellite Optical Imagery Dehazing using SAR Image Prior Based on conditional Generative Adversarial Networks 2020 ,		9
156	Weakly paired multimodal fusion using multilayer extreme learning machine. <i>Soft Computing</i> , 2018 , 22, 3533-3544	3.5	8
155	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	8
154	Gain Scheduling Control of Delta Operator System Using Network-Based Measurements. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2014 , 63, 538-547	5.2	8
153	An adaptive P300 model for controlling a humanoid robot with mind 2013 ,		8

152	Improved validation index for fuzzy clustering			8
151	Learning Cooperative Primitives with physical Human-Robot Interaction for a HUMAN-powered Lower EXoskeleton 2016 ,			8
150	Making Sense of Audio Vibration for Liquid Height Estimation in Robotic Pouring 2019 ,			8
149	Spatial and spectral features fusion for EEG classification during motor imagery in BCI 2017 ,			7
148	End-to-End ConvNet for Tactile Recognition Using Residual Orthogonal Tiling and Pyramid Convolution Ensemble. <i>Cognitive Computation</i> , 2018 , 10, 718-736	4.4		7
147	Low-frequency robust control for singularly perturbed system. <i>IET Control Theory and Applications</i> , 2015 , 9, 203-210	2.5		7
146	Passive four-channel multilateral shared control architecture in teleoperation 2010 ,			7
145	Stable Sampled-data Adaptive Control of Robot Arms Using Neural Networks. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 1997 , 20, 131-155	2.9		7
144	An adaptive feature fusion framework for multi-class classification based on SVM. <i>Soft Computing</i> , 2008 , 12, 685-691	3.5		7
143	Path control of a surface ship in restricted waters using sliding mode			7
142	Layer jamming-based soft robotic hand with variable stiffness for compliant and effective grasping. <i>Cognitive Computation and Systems</i> , 2020 , 2, 44-49	1.2		7
141	Low-Rank Linear Dynamical Systems for Motor Imagery EEG. <i>Computational Intelligence and Neuroscience</i> , 2016 , 2016, 2637603	3		7
140	Learning cross-modal visual-tactile representation using ensembled generative adversarial networks. <i>Cognitive Computation and Systems</i> , 2019 , 1, 40-44	1.2		7
139	Dynamic Gesture Recognition Using Inertial Sensors-based Data Gloves 2019 ,			7
138	Non-blind deblurring of structured images with geometric deformation. <i>Visual Computer</i> , 2015 , 31, 131-140			6
137	Discovery of Topical Objects from Video: A Structured Dictionary Learning Approach. <i>Cognitive Computation</i> , 2016 , 8, 519-528	4.4		6
136	Surface Material Recognition Using Active Multi-modal Extreme Learning Machine. <i>Cognitive Computation</i> , 2018 , 10, 937-950	4.4		6
135	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	3.8		6

134	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	6
133	A novel multi-modal tactile sensor design using thermochromic material. <i>Science China Information Sciences</i> , 2019 , 62, 1	3.4	6
132	Transmissive optical pretouch sensing for robotic grasping 2015 ,		6
131	Linear dynamic system method for tactile object classification. <i>Science China Information Sciences</i> , 2014 , 57, 1-11	3.4	6
130	An OpenViBE-based brainwave control system for Cerebot 2013 ,		6
129	Mixed H ₂ H _∞ control using a fuzzy singularly perturbed model with multiple perturbation parameters for gust load alleviation. <i>Tsinghua Science and Technology</i> , 2011 , 16, 344-351	3.4	6
128	An adaptive PNN-DS approach to classification using multi-sensor information fusion. <i>Neural Computing and Applications</i> , 2009 , 18, 455-467	4.8	6
127	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	4.9	6
126	Cough Recognition Based on Mel-Spectrogram and Convolutional Neural Network. <i>Frontiers in Robotics and AI</i> , 2021 , 8, 580080	2.8	6
125	Haptic recognition using hierarchical extreme learning machine with local-receptive-field. <i>International Journal of Machine Learning and Cybernetics</i> , 2019 , 10, 541-547	3.8	6
124	Lifelong Learning for Heterogeneous Multi-Modal Tasks 2019 ,		5
123	A glove-based system for object recognition via visual-tactile fusion. <i>Science China Information Sciences</i> , 2019 , 62, 1	3.4	5
122	Pulse coupled neural network edge-based algorithm for image text locating. <i>Tsinghua Science and Technology</i> , 2011 , 16, 22-30	3.4	5
121	Ciphertext verification security of symmetric encryption schemes. <i>Science in China Series F: Information Sciences</i> , 2009 , 52, 1617-1631		5
120	Symmetry-Aided Particle Filter for Vehicle Tracking. <i>Proceedings - IEEE International Conference on Robotics and Automation</i> , 2007 ,		5
119	Semantic visual SLAM in dynamic environment. <i>Autonomous Robots</i> , 2021 , 45, 493	3	5
118	Fused Fuzzy Petri Nets: A Shared Control Method for Brain-Computer Interface Systems. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2019 , 11, 188-199	3	5
117	An Interactive Perception Method for Warehouse Automation in Smart Cities. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 830-838	11.9	5

116	Experiment on impedance adaptation of under-actuated gripper using tactile array under unknown environment. <i>Science China Information Sciences</i> , 2018 , 61, 1	3.4	5
115	Brain-inspired Multimodal Learning Based on Neural Networks. <i>Brain Science Advances</i> , 2018 , 4, 61-72	2	5
114	Attention-based Transfer Learning for Brain-computer Interface 2019 ,		4
113	Video key-frame extraction for smart phones. <i>Multimedia Tools and Applications</i> , 2016 , 75, 2031-2049	2.5	4
112	HMAX model: A survey 2015 ,		4
111	A system of robotic grasping with experience acquisition. <i>Science China Information Sciences</i> , 2014 , 57, 1-11	3.4	4
110	Stabilisation of networked delta operator systems with uncertainty. <i>IET Control Theory and Applications</i> , 2014 , 8, 2289-2296	2.5	4
109	Dexterous robotic hand grasp modeling using piecewise linear dynamic model 2012 ,		4
108	Optimal four-impulse rendezvous between coplanar elliptical orbits. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011 , 54, 792-802	3.6	4
107	Distributed 6DOF coordination control of spacecraft formation with coupling time delay 2010 ,		4
106	Two Novel Kernel-Based Semi-Supervised Clustering Methods by Seeding 2009 ,		4
105	The adaptive sliding mode control based on a fuzzy neural network for manipulators		4
104	Online Route Planner for Unmanned Air Vehicle Navigation in Unknown Battlefield Environment 2006 ,		4
103	A Writer Recognition approach Based on SVM 2006 ,		4
102	Towards Embodied Scene Description		4
101	Embodied tactile perception and learning. <i>Brain Science Advances</i> , 2020 , 6, 132-158	2	4
100	Multimode Grasping Soft Gripper Achieved by Layer Jamming Structure and Tendon-Driven Mechanism. <i>Soft Robotics</i> , 2021 ,	9.2	4
99	RRT-GD: An efficient rapidly-exploring random tree approach with goal directionality for redundant manipulator path planning 2016 ,		4

98	Vision-Based Tactile Perception for Soft Robotic Hand* 2019 ,		4
97	A novel mode controllable hybrid valve pressure control method for soft robotic gripper. <i>International Journal of Advanced Robotic Systems</i> , 2018 , 15, 172988141880214	1.4	4
96	Tactile-based Fabric Defect Detection Using Convolutional Neural Network with Attention Mechanism. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 1-1	5.2	4
95	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	4.8	3
94	Rectification of Optical Characters as Transform Invariant Low-Rank Textures 2013 ,		3
93	Attitude tracking control for hypersonic vehicles based on type-2 fuzzy dynamic characteristic modeling method 2014 ,		3
92	Implementation of fuzzy color extractor on NI myRIO embedded device 2014 ,		3
91	A Novel Distributed Routing Algorithm for LEO Satellite Network 2012 ,		3
90	AQoS routing based on heuristic algorithm for Double-Layered Satellite Networks 2008 ,		3
89	Cloud Model-based Controller Design for Flexible-Link Manipulators 2006 ,		3
88	A Constructive Approach to Approximate Linear Periodic Systems. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 541-546	5.9	3
87	Multifingered Grasping Based on Multimodal Reinforcement Learning. <i>IEEE Robotics and Automation Letters</i> , 2022 , 7, 1174-1181	4.2	3
86	A novel data glove for fingers motion capture using inertial and magnetic measurement units 2016 ,		3
85	Open-Environment Robotic Acoustic Perception for Object Recognition. <i>Frontiers in Neurobotics</i> , 2019 , 13, 96	3.4	3
84	Soft Robotic Finger Embedded with Visual Sensor for Bending Perception. <i>Robotica</i> , 2021 , 39, 378-390	2.1	3
83	Adaptive Adversarial Transfer Learning for Electroencephalography Classification 2018 ,		3
82	Active Object Detection Using Double DQN and Prioritized Experience Replay 2018 ,		3
81	Smart Bracelet System for Temperature Monitoring and Movement Tracking Analysis. <i>Journal of Healthcare Engineering</i> , 2021 , 2021, 8347261	3.7	3

80	Advancing the incremental fusion of robotic sensory features using online multi-kernel extreme learning machine. <i>Frontiers of Computer Science</i> , 2017 , 11, 276-289	2.2	2
79	Sound-Indicated Visual Object Detection for Robotic Exploration 2019 ,		2
78	Operation action recognition using wearable devices with inertial sensors 2017 ,		2
77	Attention Based Visual Analysis for Fast Grasp Planning With a Multi-Fingered Robotic Hand. <i>Frontiers in Neurobotics</i> , 2019 , 13, 60	3-4	2
76	Routing for predictable Multi-Layered Satellite Networks. <i>Science China Information Sciences</i> , 2013 , 56, 1-18	3-4	2
75	Multiple Geometry Transform Estimation from Single Camera-Captured Text Image 2013 ,		2
74	Learning to detect slip for stable grasping 2017 ,		2
73	Consensus of second-order multi-agent systems with time-varying delays and antagonistic interactions. <i>Tsinghua Science and Technology</i> , 2015 , 20, 205-211	3-4	2
72	A QoS-Oriented Congestion Control Mechanism for Satellite Networks. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-13	1.1	2
71	Active fault-tolerant control design for T-S fuzzy systems with application to a near space vehicle 2010 ,		2
70	Semi-supervised ensemble tracking 2009 ,		2
69	An efficient population diversity measure for improved particle swarm optimization algorithm 2012 ,		2
68	Decentralized UAV formation tracking flight control using gyroscopic force 2009 ,		2
67	The direct adaptive control based on the singularly perturbed model with the unknown consequence parameters. <i>International Journal of Control, Automation and Systems</i> , 2010 , 8, 238-243	2.9	2
66	Color vision-based multi-level analysis and fusion for road area detection 2008 ,		2
65	Benchmarking of Routing Protocols for Layered Satellite Networks 2006 ,		2
64	Space robot modeling and control considering the effect of orbital mechanics		2
63	Fuzzy control for nonlinear singularly perturbed systems with time-delay		2

62	Multi-agent Embodied Question Answering in Interactive Environments. <i>Lecture Notes in Computer Science</i> , 2020 , 663-678	0.9	2
61	Predictor-Based Fuzzy Adaptive Containment Control for Nonlinear Multi-Agent Systems with Actuator Nonlinearity and Unmeasurable States. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	2
60	Fabric defect detection using tactile information 2021 ,		2
59	A Boundary Based Out-of-Distribution Classifier for Generalized Zero-Shot Learning. <i>Lecture Notes in Computer Science</i> , 2020 , 572-588	0.9	2
58	Edge Computing-Based Collaborative Vehicles 3D Mapping in Real Time. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 12470-12481	6.8	2
57	A novel accurate positioning method for object pose estimation in robotic manipulation based on vision and tactile sensors. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 116, 2999-3010	3.2	2
56	An effective method for grasp planning on objects with complex geometry combining human experience and analytical approach. <i>Science China Information Sciences</i> , 2016 , 59, 1	3.4	2
55	Toward Image-to-Tactile Cross-Modal Perception for Visually Impaired People. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 521-529	4.9	2
54	Robust H _∞ output feedback control for type-2 Takagi-Sugeno fuzzy systems with multiple time-delays and disturbances: A descriptor redundancy approach. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 6095-6122	3.6	2
53	A review on sensory perception for dexterous robotic manipulation. <i>International Journal of Advanced Robotic Systems</i> , 2022 , 19, 172988062210959	1.4	2
52	A petal-array capacitive tactile sensor with micro-pin for robotic fingertip sensing 2020 ,		1
51	An Asynchronous Mi-Based BCI for Brain-Actuated Robot Grasping Control 2017 ,		1
50	Virtual Strategy QoS routing in satellite networks. <i>Science China Information Sciences</i> , 2016 , 59, 1	3.4	1
49	Cognitively Inspired 6D Motion Estimation of a Noncooperative Target Using Monocular RGB-D Images. <i>Cognitive Computation</i> , 2016 , 8, 105-113	4.4	1
48	Small sample learning with high order contractive auto-encoders and application in SAR images. <i>Science China Information Sciences</i> , 2018 , 61, 1	3.4	1
47	Interactive video summarization with human intentions. <i>Multimedia Tools and Applications</i> , 2019 , 78, 1737-1755	2.5	1
46	3D moth-inspired chemical plume tracking 2015 ,		1
45	A grasp synthesis and grasp synergy analysis for anthropomorphic hand 2013 ,		1

44	Architecture and navigation strategy of BCI based semi-autonomous mobile robot 2014,	1
43	Secure the control system against DoS attacks: A JDL data fusion method 2014,	1
42	Decentralized multi-objective robust control of interconnected fuzzy singular perturbed model with multiple perturbation parameters 2012,	1
41	A dynamic T-S fuzzy systems identification algorithm based on sparsity regularization 2012,	1
40	Information fusion-based mobile robot path control 2012,	1
39	Peaking Free HGO Based Neural Hypersonic Flight Vehicle Control 2012,	1
38	A novel routing algorithm based on dynamic clustering for LEO satellite networks 2011,	1
37	A Multi-QoS Objective Optimization Routing for Hierarchical Satellite Networks 2010,	1
36	A QoS Routing Scheme Based on Ground Station for LEO Satellite Networks 2010,	1
35	Quotient space-based boundary condition for particle swarm optimization algorithm 2010,	1
34	Flight behavior recognizing in terminal area based on support vector machine 2010,	1
33	Space teleoperation with large time delay based on vision feedback and virtual reality 2009,	1
32	EDA-based output tracking control for networked control systems with time delays and packet losses 2011,	1
31	Estimating viewing angles in mobile street view search 2012,	1
30	A multirate adaptive composite controller for flexible-link robots using neural networks	1
29	Fusion tracking in color and infrared images using sequential belief propagation 2008,	1
28	Fuzzy Characteristic Model Based Intelligent Adaptive Control for Aerospace Craft 2006,	1
27	Vehicle tracking using stochastic fusion-based particle filter 2007,	1

26	Universal Approximation for Takagi-Sugeno Fuzzy Systems Using Dynamically Constructive Method-SISO Cases 2007 ,		1
25	Guaranteed cost control for NCSs via a discrete-time jump fuzzy system approach		1
24	HIFeedback Control of Fuzzy Singular Perturbed System		1
23	Stable Fuzzy Adaptive Controller Design For Nonlinear Singularly Perturbed Systems 2006 ,		1
22	Neuro-fuzzy system modeling based on automatic fuzzy clustering. <i>Journal of Control Theory and Applications</i> , 2005 , 3, 121-130		1
21	Multi-Agent Embodied Visual Semantic Navigation With Scene Prior Knowledge. <i>IEEE Robotics and Automation Letters</i> , 2022 , 7, 3154-3161	4.2	1
20	An adaptive PNN-DS approach to classification using multi-sensor information fusion. <i>Neural Computing and Applications</i> , 2019 , 31, 693-705	4.8	1
19	Cross-modal learning for material perception using deep extreme learning machine. <i>International Journal of Machine Learning and Cybernetics</i> , 2020 , 11, 813-823	3.8	1
18	Personal-specific gait recognition based on latent orthogonal feature space. <i>Cognitive Computation and Systems</i> , 2021 , 3, 61-69	1.2	1
17	Wood material recognition for industrial applications. <i>Systems Science and Control Engineering</i> , 2018 , 6, 346-358	2	1
16	Cross-Individual Gesture Recognition Based on Long Short-Term Memory Networks. <i>Scientific Programming</i> , 2021 , 2021, 1-11	1.4	1
15	Motion Planning and Cooperative Manipulation for Mobile Robots With Dual Arms. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2022 , 1-12	4.1	1
14	A statistical learning based image denoising approach. <i>Frontiers of Computer Science</i> , 2015 , 9, 713-719	2.2	0
13	REVE-CE: Remote Embodied Visual Referring Expression in Continuous Environment. <i>IEEE Robotics and Automation Letters</i> , 2022 , 7, 1494-1501	4.2	0
12	Embodied scene description. <i>Autonomous Robots</i> ,1	3	0
11	Multi-modal broad learning for material recognition. <i>Cognitive Computation and Systems</i> , 2021 , 3, 123-130	2	0
10	Audiovisual cross-modal material surface retrieval. <i>Neural Computing and Applications</i> , 2020 , 32, 14301-14309	4.8	0
9	Active Object Discovery and Localization Using Sound-Induced Attention. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 2021-2029	11.9	0

8	Visual Affordance Guided Tactile Material Recognition for Waste Recycling. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 1-9	4.9	○
7	Improving Object Grasp Performance via Transformer-Based Sparse Shape Completion. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2022 , 104, 1	2.9	○
6	Adaptive Cutoff Distance Based Density Peak Pivot for Metric Space Outlier Detection. <i>Communications in Computer and Information Science</i> , 2019 , 393-405	0.3	
5	Maximal terminal region approach for MPC using subsets sequence. <i>Frontiers of Electrical and Electronic Engineering</i> , 2012 , 7, 270-278		
4	Delay-Dependent Fuzzy Control of Networked Control Systems and Its Application. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-9	1.1	
3	Using IND-CVA for constructing secure communication. <i>Science in China Series F: Information Sciences</i> , 2009 , 52, 1801-1811		
2	ℰDependent controllability for two time-scale systems. <i>Tsinghua Science and Technology</i> , 2009 , 14, 271-280		
1	Robust Stability Analysis and Feedback Control for Uncertain Systems With Time-Delay and External Disturbance. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	8.3	