

Tao Zhang

List of Publications by Year in descending order

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227
papers

3,605
citations

218677

26
h-index

168389

53
g-index

231
all docs

231
docs citations

231
times ranked

3531
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Model Based Domain Adaptation for Fault Diagnosis. IEEE Transactions on Industrial Electronics, 2017, 64, 2296-2305.	7.9	526
2	Model Compression and Acceleration for Deep Neural Networks: The Principles, Progress, and Challenges. IEEE Signal Processing Magazine, 2018, 35, 126-136.	5.6	391
3	Unsupervised learning to detect loops using deep neural networks for visual SLAM system. Autonomous Robots, 2017, 41, 1-18.	4.8	146
4	Deep reinforcement learning based mobile robot navigation: A review. Tsinghua Science and Technology, 2021, 26, 674-691.	6.1	146
5	Physical-Layer Security for Full Duplex Communications With Self-Interference Mitigation. IEEE Transactions on Wireless Communications, 2016, 15, 329-340.	9.2	101
6	Adaptive Fault-Tolerant Prescribed-Time Control for Teleoperation Systems With Position Error Constraints. IEEE Transactions on Industrial Informatics, 2020, 16, 4889-4899.	11.3	100
7	Metric-based meta-learning model for few-shot fault diagnosis under multiple limited data conditions. Mechanical Systems and Signal Processing, 2021, 155, 107510.	8.0	96
8	Current trends in the development of intelligent unmanned autonomous systems. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 68-85.	2.6	93
9	Adaptive Sliding Mode Fault-Tolerant Control of the Uncertain Stewart Platform Based on Offline Multibody Dynamics. IEEE/ASME Transactions on Mechatronics, 2014, 19, 882-894.	5.8	72
10	Bearing fault diagnosis method based on stacked autoencoder and softmax regression. , 2015, , .		66
11	Integrating Communications and Control for UAV Systems: Opportunities and Challenges. IEEE Access, 2018, 6, 67519-67527.	4.2	57
12	Fast Robust Integrated Guidance and Control Design of Interceptors. IEEE Transactions on Control Systems Technology, 2016, 24, 349-356.	5.2	56
13	Real-time motion planning for mobile robots by means of artificial potential field method in unknown environment. Industrial Robot, 2010, 37, 384-400.	2.1	54
14	A new hybrid navigation algorithm for mobile robots in environments with incomplete knowledge. Knowledge-Based Systems, 2012, 27, 302-313.	7.1	51
15	Fault Diagnosis for Rotating Machinery Based on Convolutional Neural Network and Empirical Mode Decomposition. Shock and Vibration, 2017, 2017, 1-12.	0.6	43
16	Robust RGB-D simultaneous localization and mapping using planar point features. Robotics and Autonomous Systems, 2015, 72, 1-14.	5.1	40
17	A Flexible Multi-Layer Map Model Designed for Lane-Level Route Planning in Autonomous Vehicles. Engineering, 2019, 5, 305-318.	6.7	40
18	A hybrid approach with optimization-based and metric-based meta-learner for few-shot learning. Neurocomputing, 2019, 349, 202-211.	5.9	39

#	ARTICLE	IF	CITATIONS
19	Semi-direct monocular visual and visual-inertial SLAM with loop closure detection. Robotics and Autonomous Systems, 2019, 112, 201-210.	5.1	39
20	Loop closure detection for visual SLAM systems using deep neural networks. , 2015, , .		38
21	Drowsiness Detection by Bayesian-Copula Discriminant Classifier Based on EEG Signals During Daytime Short Nap. IEEE Transactions on Biomedical Engineering, 2017, 64, 743-754.	4.2	37
22	Deep Learning-Based Multi-Class Classification of Breast Digital Pathology Images. Cancer Management and Research, 2021, Volume 13, 4605-4617.	1.9	36
23	Adaptive Oscillator-Based Robust Control for Flexible Hip Assistive Exoskeleton. IEEE Robotics and Automation Letters, 2019, 4, 3318-3323.	5.1	35
24	Novel finite-time adaptive neural control of flexible spacecraft with actuator constraints and prescribed attitude tracking performance. Acta Astronautica, 2021, 179, 646-658.	3.2	35
25	BRoPH: An efficient and compact binary descriptor for 3D point clouds. Pattern Recognition, 2018, 76, 522-536.	8.1	34
26	Trajectory planning and low-chattering fixed-time nonsingular terminal sliding mode control for a dual-arm free-floating space robot. Robotica, 2022, 40, 625-645.	1.9	33
27	Integrated interceptor guidance and control with prescribed performance. International Journal of Robust and Nonlinear Control, 2015, 25, 3179-3194.	3.7	29
28	A novel feature extraction method using deep neural network for rolling bearing fault diagnosis. , 2015, , .		29
29	Re-weighting and 1-Point RANSAC-Based P P Solution to Handle Outliers. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 3022-3033.	13.9	29
30	Imbalanced Learning for Fault Diagnosis Problem of Rotating Machinery Based on Generative Adversarial Networks. , 2018, , .		27
31	A Study on the Method for Cleaning and Repairing the Probe Vehicle Data. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 419-427.	8.0	26
32	Robust dynamic surface control of nonlinear systems with prescribed performance. Nonlinear Dynamics, 2014, 76, 599-608.	5.2	26
33	Trajectory Tracking for a Dual-Arm Free-Floating Space Robot With a Class of General Nonsingular Predefined-Time Terminal Sliding Mode. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3273-3286.	9.3	26
34	A Transfer Learning Strategy for Rotation Machinery Fault Diagnosis based on Cycle-Consistent Generative Adversarial Networks. , 2018, , .		24
35	A Novel Systematic Error Compensation Algorithm Based on Least Squares Support Vector Regression for Star Sensor Image Centroid Estimation. Sensors, 2011, 11, 7341-7363.	3.8	23
36	A lane-level road network model with global continuity. Transportation Research Part C: Emerging Technologies, 2016, 71, 32-50.	7.6	23

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37	An improved wall following method for escaping from local minimum in artificial potential field based path planning. , 2009, , .		21
38	Multi-robot patrol. International Journal of Advanced Robotic Systems, 2016, 13, 172988141666366.	2.1	21
39	Reliability-based Optimal Maintenance Scheduling by Considering Maintenance Effect to Reduce Cost. Quality and Reliability Engineering International, 2005, 21, 203-220.	2.3	20
40	Dynamic modeling of a 6-degree-of-freedom Stewart platform driven by a permanent magnet synchronous motor. Journal of Zhejiang University: Science C, 2010, 11, 751-761.	0.7	20
41	Generative adversarial network based novelty detection using minimized reconstruction error. Frontiers of Information Technology and Electronic Engineering, 2018, 19, 116-125.	2.6	20
42	Neural network-based hybrid human-in-the-loop control for meal assistance orthosis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2006, 14, 64-75.	4.9	19
43	Person to Camera Distance Measurement Based on Eye-Distance. , 2009, , .		19
44	Virtual-joint based motion similarity criteria for human-robot kinematics mapping. Robotics and Autonomous Systems, 2020, 125, 103412.	5.1	19
45	Self-collision Avoidance Trajectory Planning and Robust Control of a Dual-arm Space Robot. International Journal of Control, Automation and Systems, 2018, 16, 2896-2905.	2.7	18
46	An improved virtual intersection model for vehicle navigation at intersections. Transportation Research Part C: Emerging Technologies, 2011, 19, 413-423.	7.6	15
47	Improved model-based control of a six-degree-of-freedom Stewart platform driven by permanent magnet synchronous motors. Industrial Robot, 2012, 39, 47-56.	2.1	15
48	A new bug-type navigation algorithm for mobile robots in unknown environments containing moving obstacles. Industrial Robot, 2012, 39, 27-39.	2.1	15
49	Navigation using binary pulsars. Science China: Physics, Mechanics and Astronomy, 2012, 55, 527-539.	5.1	15
50	A new method for mobile robots to avoid collision with moving obstacle. Artificial Life and Robotics, 2012, 16, 507-510.	1.2	15
51	Pulse phase and doppler frequency estimation of X-ray pulsars under conditions of spacecraft and binary motion and its application in navigation. Science China: Physics, Mechanics and Astronomy, 2013, 56, 848-858.	5.1	15
52	A hybrid navigation strategy for multiple mobile robots. Robotics and Computer-Integrated Manufacturing, 2013, 29, 129-141.	9.9	15
53	Vision-Based Pose Estimation From Points With Unknown Correspondences. IEEE Transactions on Image Processing, 2014, 23, 3468-3477.	9.8	15
54	Worst-Case Identification of Errors-in-Variables Models in Closed Loop. IEEE Transactions on Automatic Control, 2011, 56, 762-771.	5.7	14

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55	Knowledge model-based heterogeneous multi-robot system implemented by a software platform. Knowledge-Based Systems, 2007, 20, 310-319.	7.1	13
56	Attitude-control model identification of on-orbit satellites actuated by reaction wheels. Acta Astronautica, 2010, 66, 714-721.	3.2	13
57	Synthetic Fuzzy Evaluation Method of Trajectory Similarity in Map-Matching. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2011, 15, 193-204.	4.2	13
58	Feature extraction based on DWT and CNN for rotating machinery fault diagnosis. , 2017, , .		13
59	Mixed-Supervised Dual-Network for Medical Image Segmentation. Lecture Notes in Computer Science, 2019, 11765, 192-200.	1.3	13
60	A new Bug-type navigation algorithm considering practical implementation issues for mobile robots. , 2010, , .		12
61	Modified model-based fault-tolerant time-varying attitude tracking control of uncertain flexible satellites. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2013, 227, 1827-1841.	1.3	12
62	Bayesian Nonnegative CP Decomposition-based Feature Extraction Algorithm for Drowsiness Detection. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 25, 1-1.	4.9	12
63	A robust and fast star identification algorithm based on an ordered set of points pattern. Acta Astronautica, 2018, 148, 327-336.	3.2	12
64	3D deep learning based classification of pulmonary ground glass opacity nodules with automatic segmentation. Computerized Medical Imaging and Graphics, 2021, 88, 101814.	5.8	12
65	Intelligent unmanned systems: important achievements and applications of new generation artificial intelligence. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 649-651.	2.6	12
66	An SfM Algorithm With Good Convergence That Addresses Outliers for Realizing Mono-SLAM. IEEE Transactions on Industrial Informatics, 2016, 12, 515-523.	11.3	11
67	A Trajectory-Based Map-Matching System for the Driving Road Identification in Vehicle Navigation Systems. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2016, 20, 162-177.	4.2	11
68	Study on the Local Minima Problem of Path Planning Using Potential Field Method in Unknown Environments. Zidonghua Xuebao/Acta Automatica Sinica, 2010, 36, 1122-1130.	0.3	11
69	Formation and obstacle avoidance in the unknown environment of multi-robot system. , 2009, , .		10
70	A Real-Time Computer Vision-Based Static and Dynamic Hand Gesture Recognition System. International Journal of Image and Graphics, 2014, 14, 1450006.	1.5	10
71	A self-adjusting compliant bilateral control scheme for time-delay teleoperation in constrained environment. Acta Astronautica, 2016, 122, 185-195.	3.2	10
72	The Control System for Flexible Hip Assistive Exoskeleton. , 2018, , .		10

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73	A real-time hand-signs segmentation and classification system using fuzzy rule based RGB model and grid-pattern analysis. <i>Frontiers of Computer Science</i> , 2018, 12, 1258-1260.	2.4	10
74	Robust control oriented identification of errors-in-variables models based on normalised coprime factors. <i>International Journal of Systems Science</i> , 2012, 43, 1741-1752.	5.5	9
75	An adaptive selection algorithm of threshold value in zero velocity updating for personal navigation system. , 2014, , .		9
76	A vision-based navigation approach with multiple radial shape marks for indoor aircraft locating. <i>Chinese Journal of Aeronautics</i> , 2014, 27, 76-84.	5.3	9
77	Robust adaptive spacecraft attitude tracking control based on similar skew-symmetric structure. <i>Computers and Electrical Engineering</i> , 2016, 56, 784-794.	4.8	9
78	Sensing and Recognition for Multiple-Primary-Power-Level Scenario With Noise Uncertainty. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 2289-2300.	6.3	9
79	Bayesian classifier with multivariate distribution based on D-vine copula model for awake/drowsiness interpretation during power nap. <i>Biomedical Signal Processing and Control</i> , 2020, 56, 101686.	5.7	9
80	A real-time face detection and recognition system for a mobile robot in a complex background. <i>Artificial Life and Robotics</i> , 2010, 15, 439-443.	1.2	8
81	Bilateral Teleoperation in Cartesian Space with Time-Varying Delay. <i>International Journal of Advanced Robotic Systems</i> , 2012, 9, 110.	2.1	8
82	Social Role Identification via Dual Uncertainty Minimization Regularization. , 2014, , .		8
83	A fault diagnosis approach using SVM with data dimension reduction by PCA and LDA method. , 2015, , .		8
84	Trajectory Planning with Pose Feedback for a Dual-Arm Space Robot. <i>Journal of Control Science and Engineering</i> , 2016, 2016, 1-9.	1.0	8
85	Robust attitude tracking with exponential convergence. <i>IET Control Theory and Applications</i> , 2017, 11, 3388-3395.	2.1	8
86	A novel dual-network architecture for mixed-supervised medical image segmentation. <i>Computerized Medical Imaging and Graphics</i> , 2021, 89, 101841.	5.8	8
87	A hybrid neuro-inverse control approach with knowledge-based nonlinear separation for industrial nonlinear system. <i>IEEE Transactions on Control Systems Technology</i> , 2005, 13, 840-846.	5.2	7
88	Spacecraft Fault Diagnosis Based on Telemetry Data Mining and Fault Tree Analysis and Design of Expert System. <i>Advanced Materials Research</i> , 2013, 760-762, 1062-1066.	0.3	7
89	Real-time Bengali and Chinese numeral signs recognition using contour matching. , 2015, , .		7
90	Adaptive bilateral control for nonlinear uncertain teleoperation with guaranteed transient performance. <i>Robotica</i> , 2016, 34, 2205-2222.	1.9	7

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91	Improved pruning algorithm for Gaussian mixture probability hypothesis density filter. Journal of Systems Engineering and Electronics, 2018, 29, 229-235.	2.2	7
92	Laboratory Test System Design for Star Sensor Performance Evaluation. Journal of Computers, 2012, 7, .	0.4	7
93	A New Delayless Adaptive Oscillator for Gait Assistance. , 2020, , .		7
94	A Frame-Based Knowledge Model for Heterogeneous Multi-Robot System. IEEJ Transactions on Electronics, Information and Systems, 2005, 125, 846-855.	0.2	6
95	Adaptive vector sliding mode fault-tolerant control of the uncertain Stewart platform based on position measurements only. Robotica, 2016, 34, 1297-1321.	1.9	6
96	Adaptive prescribed performance control for flexible spacecraft with input saturation and actuator misalignment. Tsinghua Science and Technology, 2019, 24, 694-705.	6.1	6
97	Statistical Feature Extraction and Hybrid Feature Selection for Material Removal Rate Prediction in Chemical Mechanical Planarization Process. , 2021, , .		6
98	Melting point prediction of organic molecules by deciphering the chemical structure into a natural language. Chemical Communications, 2021, 57, 2633-2636.	4.1	6
99	A Deep Reinforcement Learning Approach to the Flexible Flowshop Scheduling Problem with Makespan Minimization. , 2020, , .		6
100	Image simulation for airborne star tracker under strong background radiance. , 2012, , .		5
101	Mechanical Framework Design with Experimental Verification of a Wearable Exoskeleton Chair. , 2019, , .		5
102	Fixed-time constrained acceleration reconstruction scheme for robotic exoskeleton via neural networks. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 705-722.	2.6	5
103	Knowledge-Based Autonomous Behavior Control of Robots in a Symbiotic Human-Robot System. , 2006, , .		4
104	Redundant design of A CAN BUS Testing and Communication System for space robot arm. , 2008, , .		4
105	Controller design based on similar skew-symmetric structure for nonlinear plants. Asian Journal of Control, 2010, 12, 71-83.	3.0	4
106	Attitude model identification of on-orbit satellites. Aircraft Engineering and Aerospace Technology, 2009, 81, 149-154.	0.8	4
107	A fusion attitude determination method based on quaternion for MEMS gyro/accelerometer/magnetometer. , 2013, , .		4
108	Real-time 3D full body motion gesture recognition. , 2013, , .		4

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109	Fault Tolerant Attitude Control for Flexible Satellite with Uncertainties and Actuator Saturation. International Journal of Advanced Robotic Systems, 2013, 10, 262.	2.1	4
110	RiskWheel: Interactive visual analytics for surveillance event detection. , 2014, , .		4
111	An adaptive force reflection scheme for bilateral teleoperation. Robotica, 2015, 33, 1471-1490.	1.9	4
112	Designing considerations for airborne star tracker during daytime. , 2015, , .		4
113	Computer Vision-Based Real-Time 3D Gesture Recognition Using Depth Image. International Journal of Image and Graphics, 2015, 15, 1550004.	1.5	4
114	Distributed cooperative localization with lower communication path requirements. Robotics and Autonomous Systems, 2016, 79, 26-39.	5.1	4
115	Attitude control and vibration suppression of flexible spacecraft based on quintic polynomial path planning. , 2017, , .		4
116	Attitude Maneuvering and Vibration Reducing Control of Flexible Spacecraft Subject to Actuator Saturation and Misalignment. Shock and Vibration, 2018, 2018, 1-16.	0.6	4
117	A Long Short Term Memory Recurrent Neural Network Approach for Rotating Machinery Fault Prognosis. , 2018, , .		4
118	Control of a Space Manipulator Capturing a Rotating Object in the Three-dimensional Space. , 2018, , .		4
119	Effect evaluation of a wearable exoskeleton chair based on surface EMG. , 2019, , .		4
120	Fuzzy Variable Impedance Adaptive Robust Control Algorithm of Exoskeleton Robots. , 2019, , .		4
121	Continuous Finite-Time Torque Control for Flexible Assistance Exoskeleton with Delay Variation Input. Robotica, 2021, 39, 291-316.	1.9	4
122	Synchronizing of Multiple Time-of-Arrivals for Pulsar-Based Navigation. Transactions of the Japan Society for Aeronautical and Space Sciences, 2014, 57, 31-39.	0.7	4
123	Human-robot interaction control for industrial robot arm through software platform for agents and knowledge management. , 0, , .		3
124	Fast person-specific image retrieval using a simple and efficient clustering method. , 2009, , .		3
125	Controller design for high-order descriptor linear systems based on requirements on tracking performance and disturbance rejection. Aerospace Science and Technology, 2009, 13, 364-373.	4.8	3
126	A Hybrid Control Approach to Nonlinear Plant Stabilization, Suppression of Disturbance, and Compensation of Deviation Errors. IEEE Transactions on Control Systems Technology, 2012, 20, 808-816.	5.2	3

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127	Real-time simulation system of satellite attitude reconfigurable control based on VxWorks. , 2014, , .		3
128	The combination of SfM and monocular SLAM. , 2014, , .		3
129	BRoPH: A compact and efficient binary 3D feature descriptor. , 2016, , .		3
130	A HIL Simulation Facility for Task Verification of the Chinese Space Station Manipulator. , 2018, , .		3
131	Metric Learning for Patch-Based 3-D Image Registration. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1575-1583.	5.2	3
132	Multi-level dictionary learning for fine-grained images categorization with attention model. Neurocomputing, 2021, 453, 403-412.	5.9	3
133	Multimodal Data Processing Framework for Smart City: A Positional-Attention Based Deep Learning Approach. IEEE Access, 2020, 8, 215505-215515.	4.2	3
134	Intelligent attitude control of space target based on characteristic model. , 2007, , .		2
135	Study on the control system of a hardware-in-loop micro-satellite simulator. , 2009, , .		2
136	A New Sub-Pixel Subdivision Location Algorithm for Star Image. , 2009, , .		2
137	Design of Fast Multiple String Searching Based on Improved Prefix Tree. , 2010, , .		2
138	Vehicle electrical power management system based on an adaptive dual-path controller power supply. , 2011, , .		2
139	EEG and related physiological signals investigation under the condition of +Gz accelerations. , 2012, , .		2
140	Research on the amplitude mismatch in dual-microphone device. , 2013, , .		2
141	Optimal torque control constraint rigid spacecraft attitude maneuver with constraints. , 2013, , .		2
142	Integrated Design of Interceptor Guidance and Control Based on L1 Adaptive Control. , 2013, , .		2
143	PNAVSIM: A Numerical Simulation Package for Pulsar Navigation. Applied Mechanics and Materials, 2013, 313-314, 1069-1073.	0.2	2
144	Star image fusion and star recognition of multi-FOV star sensor. , 2014, , .		2

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145	Matlab GUI-based simulation platform design of flexible satellite attitude control and vibration suppression. , 2015, , .		2
146	L1 adaptive controller of nonlinear reference system in presence of unmatched uncertainties. Journal of Central South University, 2016, 23, 834-840.	3.0	2
147	The influence of probe level on the tuning of stimulus frequency otoacoustic emissions and behavioral test in human. BioMedical Engineering OnLine, 2016, 15, 51.	2.7	2
148	A study of the application of Brain Atlas with and without +Gz acceleration conditions. Technology and Health Care, 2017, 25, 443-448.	1.2	2
149	Some relations between unscented and cubature kalman filters. , 2018, , .		2
150	Event-Triggered Interval Type-2 Fuzzy Control for Uncertain Space Teleoperation Systems with State Constraints. , 2020, , .		2
151	EEG Physiological Signals Correlation under Condition of +Gz Accelerations. Journal of Multimedia, 2013, 8, .	0.3	2
152	Adaptive Visual Gesture Recognition for Human-Robot Interaction. Malaysian Journal of Computer Science, 2007, 20, 23-34.	0.8	2
153	Research and simulation on key technologies of airliner’s flight management system under next-generation navigation system. Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica, 2018, 48, 264-276.	0.5	2
154	Fast Access for Star Catalog Based on Locality-Sensitive Hashing. Xibei Gongye Daxue Xuebao/Journal of Northwestern Polytechnical University, 2018, 36, 988-994.	0.5	2
155	Multi-robot collaborative SLAM and scene reconstruction based on RGB-D camera. , 2020, , .		2
156	Joint Sparse Principal Component Analysis Based Roust Sparse Fault Detection. , 2020, , .		2
157	Nonlinear controller construction based on a model with state-dependent representation for a nonlinear system. International Journal of Systems Science, 2004, 35, 151-158.	5.5	1
158	A comparative study of three shape normalization algorithms. , 2007, , .		1
159	A knowledge model-based intelligent coordinative network platform for service robot system. , 2007, , .		1
160	H2 Gain Scheduled Filtering for Polytopic Discrete-time Linear Parameter-Varying Systems. , 2009, , .		1
161	Two-stage identification method for attitude-control models of on-orbit satellites. Tsinghua Science and Technology, 2010, 15, 319-324.	6.1	1
162	A real-time simulation system for satellite based on RTW and VxWorks. , 2010, , .		1

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163	An autonomous navigation method for GEO satellites using X-ray pulsars. , 2010, , .		1
164	VizSynth: An engine for image video synthesis in traffic-based application. , 2010, , .		1
165	Denoising and rhythms extraction of EEG under +Gz acceleration based on wavelet packet transform. , 2013, , .		1
166	A novel hand gesture recognition method using Principal Directional Features. , 2013, , .		1
167	High-efficiency model-based control of 6-DOF parallel robot using position measurement only. , 2013, , .		1
168	Automatic estimation of sleep level for nap based on conditional probability of sleep stages and an exponential smoothing method. , 2013, 2013, 4243-6.		1
169	A 3D reconstruction algorithm of multiple objects. , 2013, , .		1
170	A new method of star catalog optimization for multi-FOV star sensor. , 2014, , .		1
171	Fault-tolerant control of uncertain Stewart platform under loss of actuator effectiveness. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 1286-1298.	2.1	1
172	A self-adaptive scaling parameter selection algorithm for the Unscented Kalman Filter. , 2015, , .		1
173	A control strategy for SLIP-based locomotion under lateral impact in 3D space. , 2015, , .		1
174	Dynamic master-slave distributed algorithm for cooperative localization with low computational cost. , 2015, , .		1
175	Research of EEG change feature under +Gz acceleration. Computers in Industry, 2015, 70, 144-152.	9.9	1
176	The application of echo state network and recurrent multilayer perceptron in rotating machinery fault prognosis. , 2016, , .		1
177	Combining point and edge for satellite pose tracking under illumination varying. , 2016, , .		1
178	A Small-Sized Locating Message for Cooperative Localization under Communication Constraint. International Journal of Advanced Robotic Systems, 2016, 13, 78.	2.1	1
179	High accuracy star centroid acquisition method of airborne star sensor during daytime. , 2016, , .		1
180	Robust finite-time attitude tracking control for nonlinear quadrotor with uncertainties and delays. , 2017, , .		1

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181	sEMG-Based Joint Moment Estimation for Hip Exoskeleton General Assistive Strategy. , 2019, , .		1
182	Vision-Based Pose Optimization Using Learned Metrics. IEEE Access, 2020, 8, 164313-164324.	4.2	1
183	Predefined-Time Trajectory Planning for a Dual-Arm Free-Floating Space Robot. , 2020, , .		1
184	3-Stage Motion Planning for a Dual-Arm Space Robot with Pose Feedback. Journal of Computational and Theoretical Nanoscience, 2017, 14, 1554-1562.	0.4	1
185	Multi-agent System Model for Urban Traffic Simulation and Optimizing Based on Random Walk. Lecture Notes in Electrical Engineering, 2010, , 703-711.	0.4	1
186	A New Training Mode and Practice for Master of Engineering in a Chinese University. , 2020, , .		1
187	Real Time Evaluation of Different Types of Bio-neurological Signals. , 2007, , .		0
188	Knowledge model-based adaptive intelligent control of robots for a symbiotic human robot system. International Journal of Automation and Control, 2007, 1, 64.	0.5	0
189	Controller design for matrix second-order nonlinear plants based on requirements on tracking performance and disturbance rejection. , 2007, , .		0
190	Attitude model identification of small satellites with missing data. , 2007, , .		0
191	A multi-agent planning approach integrated with learning mechanism. , 2009, , .		0
192	Automatic performance degradation prediction by use of field data with noise. , 2009, , .		0
193	VisionSynaptics. , 2009, , .		0
194	A Probability Based Approach for Processing Dimension Missing Data. , 2009, , .		0
195	Eye-Distance Based Mask Selection for Person Identification. , 2009, , .		0
196	A fast clustering approach for effectively searching person specific image. , 2010, , .		0
197	Improved de-noising approach of Fiber Optic Gyroscope based on lifting scheme wavelet. , 2011, , .		0
198	L-two-optimal identification of errors-in-variables models: a frequency-domain approach. Journal of Control Theory and Applications, 2011, 9, 553-558.	0.8	0

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199	Improved station keeping strategy of spacecraft flying around Sun-Earth libration point. , 2012, , .		0
200	Autonomous fault-tolerant time-varying attitude tracking control of uncertain flexible satellite. , 2013, , .		0
201	An integrated weights particle filter algorithm based on correlation particle estimation and sequential importance re-sampling. , 2013, , .		0
202	A robot-in-the-loop face detection and recognition system with coordinave control platform. , 2013, , .		0
203	Robust terminal sliding mode control for high-order feedback nonlinear systems. , 2014, , .		0
204	Outliers handling in the structure-from-motion algorithm. , 2014, , .		0
205	Two-view structure-from-motion algorithm. , 2014, , .		0
206	Relative orbit control method for non-cooperative maneuvering target rendezvous. , 2015, , .		0
207	Performance analysis and error budget for gravity-measuring satellite. , 2015, , .		0
208	Characteristic Analysis and Modeling for Signals of Auditory Propagation Pathway. IFMBE Proceedings, 2015, , 958-961.	0.3	0
209	Cortical auditory evoked potentials (CAEPs) represent neural cues relevant to pitch perception. , 2016, 2016, 1628-1631.		0
210	A novel robust method for camera auto-calibration in transportation surveillance. , 2016, , .		0
211	Robust extrinsic calibration from pedestrians. Signal Processing: Image Communication, 2017, 55, 106-120.	3.2	0
212	Robust maneuver control and vibration suppression of flexible spacecraft with unknown disturbance and uncertainty. , 2017, , .		0
213	A unified predictive display scheme for teleoperation systems with multi-time-delay multi-rate measurements and missing data. , 2017, , .		0
214	Glideslope guidance for near-range fuel-optimal rendezvous of elliptical orbit. , 2017, , .		0
215	An improved merging algorithm for the Gaussian mixture probability hypothesis density filter. , 2017, , .		0
216	Robust attitude tracking based on rotation vector. International Journal of Dynamics and Control, 2018, 6, 1608-1616.	2.5	0

#	ARTICLE	IF	CITATIONS
217	Integrated Interceptor Guidance and Autopilot Design via Robust Dynamic Surface Control. , 2018, , .		0
218	A new perspective on Gaussian sigma-point Kalman filters. International Journal of Systems Science, 2019, 50, 2280-2291.	5.5	0
219	Fast integrated guidance and control with global convergence. Journal of Central South University, 2019, 26, 632-639.	3.0	0
220	An Efficient Method for Boundary Points Detection Based on Data Expression. , 2019, , .		0
221	Positional Self-attention Based Hierarchical Image Captioning. , 2019, , .		0
222	Adaptive Fixed-time Acceleration Reconstruction Scheme for Exoskeleton System with Error Constraints. IFAC-PapersOnLine, 2019, 52, 118-123.	0.9	0
223	Novel Algorithm for Fast Accessing On-Board Star Catalog. Communications in Computer and Information Science, 2011, , 424-430.	0.5	0
224	Distributed Diagnostic Monitoring and Fault Tolerant Control of Vehicle Electrical and Electronic Devices. Lecture Notes in Electrical Engineering, 2013, , 221-230.	0.4	0
225	EEG Correlation Analysis Under the Condition of +Gz Accelerations. Lecture Notes in Electrical Engineering, 2013, , 701-710.	0.4	0
226	Modeling and tracking of spatio-temporal scalar fields with multiple robots. , 2017, , .		0
227	Adaptive Prescribed-Time Control for Uncertain Nonlinear Systems with Non-affine Actuator Failures. IFAC-PapersOnLine, 2020, 53, 3821-3828.	0.9	0