

# 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	Trajectory planning and low-chattering fixed-time nonsingular terminal sliding mode control for a dual-arm free-floating space robot. <i>Robotica</i> , 2022, 40, 625-645.	1.9	33
2	Trajectory Tracking for a Dual-Arm Free-Floating Space Robot With a Class of General Nonsingular Predefined-Time Terminal Sliding Mode. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 3273-3286.	9.3	26
3	Novel finite-time adaptive neural control of flexible spacecraft with actuator constraints and prescribed attitude tracking performance. <i>Acta Astronautica</i> , 2021, 179, 646-658.	3.2	35
4	Continuous Finite-Time Torque Control for Flexible Assistance Exoskeleton with Delay Variation Input. <i>Robotica</i> , 2021, 39, 291-316.	1.9	4
5	3D deep learning based classification of pulmonary ground glass opacity nodules with automatic segmentation. <i>Computerized Medical Imaging and Graphics</i> , 2021, 88, 101814.	5.8	12
6	A novel dual-network architecture for mixed-supervised medical image segmentation. <i>Computerized Medical Imaging and Graphics</i> , 2021, 89, 101841.	5.8	8
7	Statistical Feature Extraction and Hybrid Feature Selection for Material Removal Rate Prediction in Chemical Mechanical Planarization Process. , 2021, , .		6
8	Metric-based meta-learning model for few-shot fault diagnosis under multiple limited data conditions. <i>Mechanical Systems and Signal Processing</i> , 2021, 155, 107510.	8.0	96
9	Deep Learning-Based Multi-Class Classification of Breast Digital Pathology Images. <i>Cancer Management and Research</i> , 2021, Volume 13, 4605-4617.	1.9	36
10	Multi-level dictionary learning for fine-grained images categorization with attention model. <i>Neurocomputing</i> , 2021, 453, 403-412.	5.9	3
11	Deep reinforcement learning based mobile robot navigation: A review. <i>Tsinghua Science and Technology</i> , 2021, 26, 674-691.	6.1	146
12	Melting point prediction of organic molecules by deciphering the chemical structure into a natural language. <i>Chemical Communications</i> , 2021, 57, 2633-2636.	4.1	6
13	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
14	Virtual-joint based motion similarity criteria for human-robot kinematics mapping. <i>Robotics and Autonomous Systems</i> , 2020, 125, 103412.	5.1	19
15	Adaptive Fault-Tolerant Prescribed-Time Control for Teleoperation Systems With Position Error Constraints. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 4889-4899.	11.3	100
16	Event-Triggered Interval Type-2 Fuzzy Control for Uncertain Space Teleoperation Systems with State Constraints. , 2020, , .		2
17	Vision-Based Pose Optimization Using Learned Metrics. <i>IEEE Access</i> , 2020, 8, 164313-164324.	4.2	1
18	Predefined-Time Trajectory Planning for a Dual-Arm Free-Floating Space Robot. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
19	Fixed-time constrained acceleration reconstruction scheme for robotic exoskeleton via neural networks. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020, 21, 705-722.	2.6	5
20	Intelligent unmanned systems: important achievements and applications of new generation artificial intelligence. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020, 21, 649-651.	2.6	12
21	Multimodal Data Processing Framework for Smart City: A Positional-Attention Based Deep Learning Approach. <i>IEEE Access</i> , 2020, 8, 215505-215515.	4.2	3
22	Adaptive Prescribed-Time Control for Uncertain Nonlinear Systems with Non-affine Actuator Failures. <i>IFAC-PapersOnLine</i> , 2020, 53, 3821-3828.	0.9	0
23	A New Training Mode and Practice for Master of Engineering in a Chinese University. , 2020, , .		1
24	A New Delayless Adaptive Oscillator for Gait Assistance. , 2020, , .		7
25	A Deep Reinforcement Learning Approach to the Flexible Flowshop Scheduling Problem with Makespan Minimization. , 2020, , .		6
26	Multi-robot collaborative SLAM and scene reconstruction based on RGB-D camera. , 2020, , .		2
27	Joint Sparse Principal Component Analysis Based Roust Sparse Fault Detection. , 2020, , .		2
28	Adaptive Oscillator-Based Robust Control for Flexible Hip Assistive Exoskeleton. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 3318-3323.	5.1	35
29	Adaptive prescribed performance control for flexible spacecraft with input saturation and actuator misalignment. <i>Tsinghua Science and Technology</i> , 2019, 24, 694-705.	6.1	6
30	Mechanical Framework Design with Experimental Verification of a Wearable Exoskeleton Chair. , 2019, , .		5
31	A new perspective on Gaussian sigma-point Kalman filters. <i>International Journal of Systems Science</i> , 2019, 50, 2280-2291.	5.5	0
32	A hybrid approach with optimization-based and metric-based meta-learner for few-shot learning. <i>Neurocomputing</i> , 2019, 349, 202-211.	5.9	39
33	Fast integrated guidance and control with global convergence. <i>Journal of Central South University</i> , 2019, 26, 632-639.	3.0	0
34	A Flexible Multi-Layer Map Model Designed for Lane-Level Route Planning in Autonomous Vehicles. <i>Engineering</i> , 2019, 5, 305-318.	6.7	40
35	sEMG-Based Joint Moment Estimation for Hip Exoskeleton General Assistive Strategy. , 2019, , .		1
36	An Efficient Method for Boundary Points Detection Based on Data Expression. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
37	Positional Self-attention Based Hierarchical Image Captioning. , 2019, , .		0
38	Effect evaluation of a wearable exoskeleton chair based on surface EMG. , 2019, , .		4
39	Fuzzy Variable Impedance Adaptive Robust Control Algorithm of Exoskeleton Robots. , 2019, , .		4
40	Adaptive Fixed-time Acceleration Reconstruction Scheme for Exoskeleton System with Error Constraints. IFAC-PapersOnLine, 2019, 52, 118-123.	0.9	0
41	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
42	Metric Learning for Patch-Based 3-D Image Registration. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1575-1583.	5.2	3
43	Semi-direct monocular visual and visual-inertial SLAM with loop closure detection. Robotics and Autonomous Systems, 2019, 112, 201-210.	5.1	39
44	Mixed-Supervised Dual-Network for Medical Image Segmentation. Lecture Notes in Computer Science, 2019, 11765, 192-200.	1.3	13
45	Generative adversarial network based novelty detection using minimized reconstruction error. Frontiers of Information Technology and Electronic Engineering, 2018, 19, 116-125.	2.6	20
46	Robust attitude tracking based on rotation vector. International Journal of Dynamics and Control, 2018, 6, 1608-1616.	2.5	0
47	Model Compression and Acceleration for Deep Neural Networks: The Principles, Progress, and Challenges. IEEE Signal Processing Magazine, 2018, 35, 126-136.	5.6	391
48	A robust and fast star identification algorithm based on an ordered set of points pattern. Acta Astronautica, 2018, 148, 327-336.	3.2	12
49	BROPH: An efficient and compact binary descriptor for 3D point clouds. Pattern Recognition, 2018, 76, 522-536.	8.1	34
50	A Transfer Learning Strategy for Rotation Machinery Fault Diagnosis based on Cycle-Consistent Generative Adversarial Networks. , 2018, , .		24
51	The Control System for Flexible Hip Assistive Exoskeleton. , 2018, , .		10
52	Imbalanced Learning for Fault Diagnosis Problem of Rotating Machinery Based on Generative Adversarial Networks. , 2018, , .		27
53	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
54	A real-time hand-signs segmentation and classification system using fuzzy rule based RGB model and grid-pattern analysis. Frontiers of Computer Science, 2018, 12, 1258-1260.	2.4	10

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55	Integrating Communications and Control for UAV Systems: Opportunities and Challenges. IEEE Access, 2018, 6, 67519-67527.	4.2	57
56	A HIL Simulation Facility for Task Verification of the Chinese Space Station Manipulator. , 2018, , .		3
57	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
58	Integrated Interceptor Guidance and Autopilot Design via Robust Dynamic Surface Control. , 2018, , .		0
59	A Long Short Term Memory Recurrent Neural Network Approach for Rotating Machinery Fault Prognosis. , 2018, , .		4
60	Improved pruning algorithm for Gaussian mixture probability hypothesis density filter. Journal of Systems Engineering and Electronics, 2018, 29, 229-235.	2.2	7
61	Some relations between unscented and cubature kalman filters. , 2018, , .		2
62	Control of a Space Manipulator Capturing a Rotating Object in the Three-dimensional Space. , 2018, , .		4
63	Research and simulation on key technologies of airliner&rsquo;s flight management system under next-generation navigation system. Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica, 2018, 48, 264-276.	0.5	2
64	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
65	Unsupervised learning to detect loops using deep neural networks for visual SLAM system. Autonomous Robots, 2017, 41, 1-18.	4.8	146
66	Sensing and Recognition for Multiple-Primary-Power-Level Scenario With Noise Uncertainty. IEEE Transactions on Vehicular Technology, 2017, 66, 2289-2300.	6.3	9
67	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
68	Current trends in the development of intelligent unmanned autonomous systems. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 68-85.	2.6	93
69	Robust extrinsic calibration from pedestrians. Signal Processing: Image Communication, 2017, 55, 106-120.	3.2	0
70	Feature extraction based on DWT and CNN for rotating machinery fault diagnosis. , 2017, , .		13
71	Attitude control and vibration suppression of flexible spacecraft based on quintic polynomial path planning. , 2017, , .		4
72	Deep Model Based Domain Adaptation for Fault Diagnosis. IEEE Transactions on Industrial Electronics, 2017, 64, 2296-2305.	7.9	526

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73	Robust finite-time attitude tracking control for nonlinear quadrotor with uncertainties and delays. , 2017, , .		1
74	Robust maneuver control and vibration suppression of flexible spacecraft with unknown disturbance and uncertainty. , 2017, , .		0
75	A unified predictive display scheme for teleoperation systems with multi-time-delay multi-rate measurements and missing data. , 2017, , .		0
76	Glideslope guidance for near-range fuel-optimal rendezvous of elliptical orbit. , 2017, , .		0
77	Fault Diagnosis for Rotating Machinery Based on Convolutional Neural Network and Empirical Mode Decomposition. Shock and Vibration, 2017, 2017, 1-12.	0.6	43
78	An improved merging algorithm for the Gaussian mixture probability hypothesis density filter. , 2017, , .		0
79	Robust attitude tracking with exponential convergence. IET Control Theory and Applications, 2017, 11, 3388-3395.	2.1	8
80	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
81	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
82	Modeling and tracking of spatio-temporal scalar fields with multiple robots. , 2017, , .		0
83	Trajectory Planning with Pose Feedback for a Dual-Arm Space Robot. Journal of Control Science and Engineering, 2016, 2016, 1-9.	1.0	8
84	Multi-robot patrol. International Journal of Advanced Robotic Systems, 2016, 13, 172988141666366.	2.1	21
85	Cortical auditory evoked potentials (CAEPs) represent neural cues relevant to pitch perception. , 2016, 2016, 1628-1631.		0
86	The application of echo state network and recurrent multilayer perceptron in rotating machinery fault prognosis. , 2016, , .		1
87	BRoPH: A compact and efficient binary 3D feature descriptor. , 2016, , .		3
88	Adaptive bilateral control for nonlinear uncertain teleoperation with guaranteed transient performance. Robotica, 2016, 34, 2205-2222.	1.9	7
89	Combining point and edge for satellite pose tracking under illumination varying. , 2016, , .		1
90	Distributed cooperative localization with lower communication path requirements. Robotics and Autonomous Systems, 2016, 79, 26-39.	5.1	4

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91	L1 adaptive controller of nonlinear reference system in presence of unmatched uncertainties. Journal of Central South University, 2016, 23, 834-840.	3.0	2
92	A Small-Sized Locating Message for Cooperative Localization under Communication Constraint. International Journal of Advanced Robotic Systems, 2016, 13, 78.	2.1	1
93	A lane-level road network model with global continuity. Transportation Research Part C: Emerging Technologies, 2016, 71, 32-50.	7.6	23
94	Robust adaptive spacecraft attitude tracking control based on similar skew-symmetric structure. Computers and Electrical Engineering, 2016, 56, 784-794.	4.8	9
95	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
96	High accuracy star centroid acquisition method of airborne star sensor during daytime. , 2016, , .		1
97	A novel robust method for camera auto-calibration in transportation surveillance. , 2016, , .		0
98	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
99	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
100	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
101	A self-adjusting compliant bilateral control scheme for time-delay teleoperation in constrained environment. Acta Astronautica, 2016, 122, 185-195.	3.2	10
102	Physical-Layer Security for Full Duplex Communications With Self-Interference Mitigation. IEEE Transactions on Wireless Communications, 2016, 15, 329-340.	9.2	101
103	Fast Robust Integrated Guidance and Control Design of Interceptors. IEEE Transactions on Control Systems Technology, 2016, 24, 349-356.	5.2	56
104	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
105	An adaptive force reflection scheme for bilateral teleoperation. Robotica, 2015, 33, 1471-1490.	1.9	4
106	A self-adaptive scaling parameter selection algorithm for the Unscented Kalman Filter. , 2015, , .		1
107	Real-time Bengali and Chinese numeral signs recognition using contour matching. , 2015, , .		7
108	A control strategy for SLIP-based locomotion under lateral impact in 3D space. , 2015, , .		1

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109	Relative orbit control method for non-cooperative maneuvering target rendezvous. , 2015, , .		0
110	Bearing fault diagnosis method based on stacked autoencoder and softmax regression. , 2015, , .		66
111	Dynamic master-slave distributed algorithm for cooperative localization with low computational cost. , 2015, , .		1
112	Performance analysis and error budget for gravity-measuring satellite. , 2015, , .		0
113	Designing considerations for airborne star tracker during daytime. , 2015, , .		4
114	A fault diagnosis approach using SVM with data dimension reduction by PCA and LDA method. , 2015, , .		8
115	Integrated interceptor guidance and control with prescribed performance. International Journal of Robust and Nonlinear Control, 2015, 25, 3179-3194.	3.7	29
116	Research of EEG change feature under +Gz acceleration. Computers in Industry, 2015, 70, 144-152.	9.9	1
117	Computer Vision-Based Real-Time 3D Gesture Recognition Using Depth Image. International Journal of Image and Graphics, 2015, 15, 1550004.	1.5	4
118	Robust RGB-D simultaneous localization and mapping using planar point features. Robotics and Autonomous Systems, 2015, 72, 1-14.	5.1	40
119	A novel feature extraction method using deep neural network for rolling bearing fault diagnosis. , 2015, , .		29
120	Matlab GUI-based simulation platform design of flexible satellite attitude control and vibration suppression. , 2015, , .		2
121	Characteristic Analysis and Modeling for Signals of Auditory Propagation Pathway. IFMBE Proceedings, 2015, , 958-961.	0.3	0
122	Loop closure detection for visual SLAM systems using deep neural networks. , 2015, , .		38
123	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
124	Real-time simulation system of satellite attitude reconfigurable control based on VxWorks. , 2014, , .		3
125	Robust terminal sliding mode control for high-order feedback nonlinear systems. , 2014, , .		0
126	Star image fusion and star recognition of multi-FOV star sensor. , 2014, , .		2

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127	The combination of SfM and monocular SLAM. , 2014, , .		3
128	Social Role Identification via Dual Uncertainty Minimization Regularization. , 2014, , .		8
129	A new method of star catalog optimization for multi-FOV star sensor. , 2014, , .		1
130	Robust dynamic surface control of nonlinear systems with prescribed performance. Nonlinear Dynamics, 2014, 76, 599-608.	5.2	26
131	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
132	RiskWheel: Interactive visual analytics for surveillance event detection. , 2014, , .		4
133	Outliers handling in the structure-from-motion algorithm. , 2014, , .		0
134	An adaptive selection algorithm of threshold value in zero velocity updating for personal navigation system. , 2014, , .		9
135	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
136	Vision-Based Pose Estimation From Points With Unknown Correspondences. IEEE Transactions on Image Processing, 2014, 23, 3468-3477.	9.8	15
137	A vision-based navigation approach with multiple radial shape marks for indoor aircraft locating. Chinese Journal of Aeronautics, 2014, 27, 76-84.	5.3	9
138	Two-view structure-from-motion algorithm. , 2014, , .		0
139	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
140	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
141	A hybrid navigation strategy for multiple mobile robots. Robotics and Computer-Integrated Manufacturing, 2013, 29, 129-141.	9.9	15
142	A fusion attitude determination method based on quaternion for MEMS gyro/accelerometer/magnetometer. , 2013, , .		4
143	Autonomous fault-tolerant time-varying attitude tracking control of uncertain flexible satellite. , 2013, , .		0
144	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

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145	Real-time 3D full body motion gesture recognition. , 2013, , .		4
146	Denosing and rhythms extraction of EEG under &#x002B;Gz acceleration based on wavelet packet transform. , 2013, , .		1
147	Research on the amplitude mismatch in dual-microphone device. , 2013, , .		2
148	A novel hand gesture recognition method using Principal Directional Features. , 2013, , .		1
149	Optimal torque control constraint rigid spacecraft attitude maneuver with constraints. , 2013, , .		2
150	An integrated weights particle filter algorithm based on correlation particle estimation and sequential importance re-sampling. , 2013, , .		0
151	Spacecraft Fault Diagnosis Based on Telemetry Data Mining and Fault Tree Analysis and Design of Expert System. Advanced Materials Research, 2013, 760-762, 1062-1066.	0.3	7
152	Integrated Design of Interceptor Guidance and Control Based on L1 Adaptive Control. , 2013, , .		2
153	PNAVSIM: A Numerical Simulation Package for Pulsar Navigation. Applied Mechanics and Materials, 2013, 313-314, 1069-1073.	0.2	2
154	High-efficiency model-based control of 6-DOF parallel robot using position measurement only. , 2013, , .		1
155	Automatic estimation of sleep level for nap based on conditional probability of sleep stages and an exponential smoothing method. , 2013, 2013, 4243-6.		1
156	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
157	A robot-in-the-loop face detection and recognition system with coordinaive control platform. , 2013, , .		0
158	A 3D reconstruction algorithm of multiple objects. , 2013, , .		1
159	Fault Tolerant Attitude Control for Flexible Satellite with Uncertainties and Actuator Saturation. International Journal of Advanced Robotic Systems, 2013, 10, 262.	2.1	4
160	EEG Physiological Signals Correlation under Condition of +Gz Accelerations. Journal of Multimedia, 2013, 8, .	0.3	2
161	Distributed Diagnostic Monitoring and Fault Tolerant Control of Vehicle Electrical and Electronic Devices. Lecture Notes in Electrical Engineering, 2013, , 221-230.	0.4	0
162	EEG Correlation Analysis Under the Condition of +Gz Accelerations. Lecture Notes in Electrical Engineering, 2013, , 701-710.	0.4	0

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163	Robust control oriented identification of errors-in-variables models based on normalised coprime factors. International Journal of Systems Science, 2012, 43, 1741-1752.	5.5	9
164	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
165	A new bug-type navigation algorithm for mobile robots in unknown environments containing moving obstacles. Industrial Robot, 2012, 39, 27-39.	2.1	15
166	Bilateral Teleoperation in Cartesian Space with Time-Varying Delay. International Journal of Advanced Robotic Systems, 2012, 9, 110.	2.1	8
167	EEG and related physiological signals investigation under the condition of +Gz accelerations. , 2012, , .		2
168	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
169	Navigation using binary pulsars. Science China: Physics, Mechanics and Astronomy, 2012, 55, 527-539.	5.1	15
170	Improved station keeping strategy of spacecraft flying around Sun-Earth libration point. , 2012, , .		0
171	Image simulation for airborne star tracker under strong background radiance. , 2012, , .		5
172	A new method for mobile robots to avoid collision with moving obstacle. Artificial Life and Robotics, 2012, 16, 507-510.	1.2	15
173	A new hybrid navigation algorithm for mobile robots in environments with incomplete knowledge. Knowledge-Based Systems, 2012, 27, 302-313.	7.1	51
174	Laboratory Test System Design for Star Sensor Performance Evaluation. Journal of Computers, 2012, 7, .	0.4	7
175	Improved de-noising approach of Fiber Optic Gyroscope based on lifting scheme wavelet. , 2011, , .		0
176	Worst-Case Identification of Errors-in-Variables Models in Closed Loop. IEEE Transactions on Automatic Control, 2011, 56, 762-771.	5.7	14
177	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
178	An improved virtual intersection model for vehicle navigation at intersections. Transportation Research Part C: Emerging Technologies, 2011, 19, 413-423.	7.6	15
179	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
180	Vehicle electrical power management system based on an adaptive dual-path controller power supply. , 2011, , .		2

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181	A Novel Systematic Error Compensation Algorithm Based on Least Squares Support Vector Regression for Star Sensor Image Centroid Estimation. <i>Sensors</i> , 2011, 11, 7341-7363.	3.8	23
182	Novel Algorithm for Fast Accessing On-Board Star Catalog. <i>Communications in Computer and Information Science</i> , 2011, , 424-430.	0.5	0
183	Controller design based on similar skew-symmetric structure for nonlinear plants. <i>Asian Journal of Control</i> , 2010, 12, 71-83.	3.0	4
184	Dynamic modeling of a 6-degree-of-freedom Stewart platform driven by a permanent magnet synchronous motor. <i>Journal of Zhejiang University: Science C</i> , 2010, 11, 751-761.	0.7	20
185	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
186	Attitude-control model identification of on-orbit satellites actuated by reaction wheels. <i>Acta Astronautica</i> , 2010, 66, 714-721.	3.2	13
187	Two-stage identification method for attitude-control models of on-orbit satellites. <i>Tsinghua Science and Technology</i> , 2010, 15, 319-324.	6.1	1
188	Real-time motion planning for mobile robots by means of artificial potential field method in unknown environment. <i>Industrial Robot</i> , 2010, 37, 384-400.	2.1	54
189	A real-time simulation system for satellite based on RTW and VxWorks. , 2010, , .		1
190	A fast clustering approach for effectively searching person specific image. , 2010, , .		0
191	Design of Fast Multiple String Searching Based on Improved Prefix Tree. , 2010, , .		2
192	A new Bug-type navigation algorithm considering practical implementation issues for mobile robots. , 2010, , .		12
193	An autonomous navigation method for GEO satellites using X-ray pulsars. , 2010, , .		1
194	VizSynth: An engine for image video synthesis in traffic-based application. , 2010, , .		1
195	Study on the Local Minima Problem of Path Planning Using Potential Field Method in Unknown Environments. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2010, 36, 1122-1130.	0.3	11
196	Multi-agent System Model for Urban Traffic Simulation and Optimizing Based on Random Walk. <i>Lecture Notes in Electrical Engineering</i> , 2010, , 703-711.	0.4	1
197	A multi-agent planning approach integrated with learning mechanism. , 2009, , .		0
198	Study on the control system of a hardware-in-loop micro-satellite simulator. , 2009, , .		2

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199	An improved wall following method for escaping from local minimum in artificial potential field based path planning. , 2009, , .		21
200	H2 Gain Scheduled Filtering for Polytopic Discrete-time Linear Parameter-Varying Systems. , 2009, , .		1
201	Automatic performance degradation prediction by use of field data with noise. , 2009, , .		0
202	Fast person-specific image retrieval using a simple and efficient clustering method. , 2009, , .		3
203	VisionSynaptics. , 2009, , .		0
204	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
205	Person to Camera Distance Measurement Based on Eye-Distance. , 2009, , .		19
206	Formation and obstacle avoidance in the unknown environment of multi-robot system. , 2009, , .		10
207	A Probability Based Approach for Processing Dimension Missing Data. , 2009, , .		0
208	A New Sub-Pixel Subdivision Location Algorithm for Star Image. , 2009, , .		2
209	Eye-Distance Based Mask Selection for Person Identification. , 2009, , .		0
210	Attitude model identification of on-orbit satellites. Aircraft Engineering and Aerospace Technology, 2009, 81, 149-154.	0.8	4
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