

# Danwei Wang

## List of Publications by Year in descending order

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40  
papers

1,577  
citations

304743

22  
h-index

434195

31  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1011  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integral-Type Sliding Mode Fault-Tolerant Control for Attitude Stabilization of Spacecraft. IEEE Transactions on Control Systems Technology, 2015, 23, 1131-1138.	5.2	188
2	Finite-time fault-tolerant attitude stabilization for spacecraft with actuator saturation. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 2390-2405.	4.7	165
3	Decentralized Robust Adaptive Control for Attitude Synchronization Under Directed Communication Topology. Journal of Guidance, Control, and Dynamics, 2011, 34, 1276-1282.	2.8	125
4	Decentralized sliding-mode control for attitude synchronization in spacecraft formation. International Journal of Robust and Nonlinear Control, 2013, 23, 1183-1197.	3.7	112
5	Robust Control Allocation for Spacecraft Attitude Tracking Under Actuator Faults. IEEE Transactions on Control Systems Technology, 2017, 25, 1068-1075.	5.2	99
6	Inertia-free fault-tolerant spacecraft attitude tracking using control allocation. Automatica, 2015, 62, 114-121.	5.0	82
7	High Precision Satellite Attitude Tracking Control via Iterative Learning Control. Journal of Guidance, Control, and Dynamics, 2015, 38, 528-534.	2.8	63
8	Attitude Control of Spacecraft with Actuator Uncertainty. Journal of Guidance, Control, and Dynamics, 2013, 36, 1771-1776.	2.8	52
9	Vision-Based Flexible Leader-Follower Formation Tracking of Multiple Nonholonomic Mobile Robots in Unknown Obstacle Environments. IEEE Transactions on Control Systems Technology, 2020, 28, 1025-1033.	5.2	50
10	Rigid-Body Attitude Tracking Control Under Actuator Faults and Angular Velocity Constraints. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1338-1349.	5.8	45
11	Model-Free Prescribed Performance Control for Spacecraft Attitude Tracking. IEEE Transactions on Control Systems Technology, 2021, 29, 165-179.	5.2	44
12	Satellite Attitude Stabilization Control with Actuator Faults. Journal of Guidance, Control, and Dynamics, 2017, 40, 1304-1313.	2.8	43
13	A High-Bandwidth End-Effector With Active Force Control for Robotic Polishing. IEEE Access, 2020, 8, 169122-169135.	4.2	41
14	Neural-Network-Based Adaptive Event-triggered Control for Spacecraft Attitude Tracking. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4015-4024.	11.3	40
15	A Practical Leader-Follower Tracking Control Scheme for Multiple Nonholonomic Mobile Robots in Unknown Obstacle Environments. IEEE Transactions on Control Systems Technology, 2019, 27, 1685-1693.	5.2	37
16	Distributed Fixed-Time Output-Feedback Attitude Consensus Control for Multiple Spacecraft. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4779-4795.	4.7	37
17	A Novel Model for Fully Closed-Loop System of Hemispherical Resonator Gyroscope Under Force-to-Rebalance Mode. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9918-9930.	4.7	35
18	Collaborative Semantic Understanding and Mapping Framework for Autonomous Systems. IEEE/ASME Transactions on Mechatronics, 2021, 26, 978-989.	5.8	34

#	ARTICLE	IF	CITATIONS
19	Hierarchical Probabilistic Fusion Framework for Matching and Merging of 3-D Occupancy Maps. IEEE Sensors Journal, 2018, 18, 8933-8949.	4.7	33
20	Day and Night Collaborative Dynamic Mapping in Unstructured Environment Based on Multimodal Sensors. , 2020, , .		32
21	A Two-step Method for Extrinsic Calibration between a Sparse 3D LiDAR and a Thermal Camera. , 2018, , .		30
22	Formation Reconstruction and Trajectory Replanning for Multi-UAV Patrol. IEEE/ASME Transactions on Mechatronics, 2021, 26, 719-729.	5.8	28
23	A Multilevel Fusion System for Multirobot 3-D Mapping Using Heterogeneous Sensors. IEEE Systems Journal, 2020, 14, 1341-1352.	4.6	26
24	Autonomous Target Docking of Nonholonomic Mobile Robots Using Relative Pose Measurements. IEEE Transactions on Industrial Electronics, 2021, 68, 7233-7243.	7.9	23
25	A Hierarchical Framework for Collaborative Probabilistic Semantic Mapping. , 2020, , .		19
26	Iterative Tuning With Reactive Compensation for Urban Traffic Signal Control. IEEE Transactions on Control Systems Technology, 2017, 25, 2047-2059.	5.2	10
27	Infrastructure-Free Hierarchical Mobile Robot Global Localization in Repetitive Environments. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	10
28	Real-time normal contact force control for robotic surface processing of workpieces without a priori geometric model. International Journal of Advanced Manufacturing Technology, 2022, 119, 2537-2551.	3.0	8
29	Formation tracking of multi-vehicle systems in unknown environments using a multi-region control scheme. International Journal of Control, 2017, 90, 2760-2771.	1.9	7
30	Finite time moving target tracking using nonholonomic vehicles with distance and bearing angle constraints. , 2017, , .		7
31	COSEM: Collaborative Semantic Map Matching Framework for Autonomous Robots. IEEE Transactions on Industrial Electronics, 2022, 69, 3843-3853.	7.9	7
32	MSTSL: Multi-Sensor Based Two-Step Localization in Geometrically Symmetric Environments. , 2021, , .		7
33	Distributed dynamic event-triggered adaptive attitude consensus control of multiple spacecraft. Acta Astronautica, 2022, 196, 220-230.	3.2	7
34	Driving Behavior Assessment and Anomaly Detection for Intelligent Vehicles. , 2019, , .		6
35	Dual-Domain-Based Adversarial Defense With Conditional VAE and Bayesian Network. IEEE Transactions on Industrial Informatics, 2021, 17, 596-605.	11.3	6
36	Infrastructure-Free Global Localization in Repetitive Environments: An Overview. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
37	Probabilistic Reasoning for Unique Role Recognition Based on the Fusion of Semantic-Interaction and Spatio-Temporal Features. IEEE Transactions on Multimedia, 2019, 21, 1195-1208.	7.2	5
38	A novel tracking control approach of amplitude signals for vibratory gyroscopes suppressing high-frequency disturbance. Measurement: Journal of the International Measurement Confederation, 2022, 195, 110981.	5.0	4
39	Tightly-Coupled Perception and Navigation of Heterogeneous Land-Air Robots in Complex Scenarios. , 2021, , .		2
40	Aerial-Ground Robots Collaborative 3D Mapping in GNSS-Denied Environments. , 2022, , .		2