

# Lei Qiao

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,597  
citations

471509

17  
h-index

642732

23  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1095  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trajectory Tracking Control of AUVs via Adaptive Fast Nonsingular Integral Terminal Sliding Mode Control. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 1248-1258.	11.3	234
2	Adaptive non-singular integral terminal sliding mode tracking control for autonomous underwater vehicles. <i>IET Control Theory and Applications</i> , 2017, 11, 1293-1306.	2.1	224
3	Double-Loop Integral Terminal Sliding Mode Tracking Control for UUVs With Adaptive Dynamic Compensation of Uncertainties and Disturbances. <i>IEEE Journal of Oceanic Engineering</i> , 2019, 44, 29-53.	3.8	195
4	Dynamical sliding mode control for the trajectory tracking of underactuated unmanned underwater vehicles. <i>Ocean Engineering</i> , 2015, 105, 54-63.	4.3	191
5	Adaptive Second-Order Fast Nonsingular Terminal Sliding Mode Tracking Control for Fully Actuated Autonomous Underwater Vehicles. <i>IEEE Journal of Oceanic Engineering</i> , 2019, 44, 363-385.	3.8	175
6	Gender-specific neuroanatomical basis of behavioral inhibition/approach systems (BIS/BAS) in a large sample of young adults: A voxel-based morphometric investigation. <i>Behavioural Brain Research</i> , 2014, 274, 400-408.	2.2	81
7	Design of three exponentially convergent robust controllers for the trajectory tracking of autonomous underwater vehicles. <i>Ocean Engineering</i> , 2017, 134, 157-172.	4.3	54
8	Active disturbance rejection controller design for dynamically positioned vessels based on adaptive hybrid biogeography-based optimization and differential evolution. <i>ISA Transactions</i> , 2018, 78, 56-65.	5.7	52
9	Gray Matter Volume of the Lingual Gyrus Mediates the Relationship between Inhibition Function and Divergent Thinking. <i>Frontiers in Psychology</i> , 2016, 7, 1532.	2.1	50
10	Robust adaptive trajectory tracking control of underactuated surface vessel in fields of marine practice. <i>Journal of Marine Science and Technology</i> , 2018, 23, 950-957.	2.9	45
11	Adaptive output-feedback formation control for underactuated surface vessels. <i>International Journal of Control</i> , 2020, 93, 400-409.	1.9	37
12	Two-time scale path following of underactuated marine surface vessels: Design and stability analysis using singular perturbation methods. <i>Ocean Engineering</i> , 2016, 124, 287-297.	4.3	35
13	Learning Collision-Free Space Detection From Stereo Images: Homography Matrix Brings Better Data Augmentation. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 225-233.	5.8	31
14	Adaptive tracking control of unmanned underwater vehicles with compensation for external perturbations and uncertainties using Port-Hamiltonian theory. <i>Ocean Engineering</i> , 2020, 209, 107402.	4.3	23
15	Robust H2 optimal depth control of an autonomous underwater vehicle with output disturbances and time delay. <i>Ocean Engineering</i> , 2018, 165, 399-409.	4.3	22
16	Adaptive barrier Lyapunov function-based obstacle avoidance control for an autonomous underwater vehicle with multiple static and moving obstacles. <i>Ocean Engineering</i> , 2022, 243, 110303.	4.3	22
17	Robust adaptive formation tracking of autonomous surface vehicles with guaranteed performance and actuator faults. <i>Ocean Engineering</i> , 2021, 237, 109592.	4.3	21
18	Night or darkness, which intensifies the feeling of fear?. <i>International Journal of Psychophysiology</i> , 2015, 97, 46-57.	1.0	18

#	ARTICLE	IF	CITATIONS
19	Event-Triggered Adaptive Formation Keeping and Interception Scheme for Autonomous Surface Vehicles Under Malicious Attacks. IEEE Transactions on Industrial Informatics, 2022, 18, 3947-3957.	11.3	17
20	Robust Adaptive PID Control of Robot Manipulator with Bounded Disturbances. Mathematical Problems in Engineering, 2013, 2013, 1-13.	1.1	14
21	Double-loop chattering-free adaptive integral sliding mode control for underwater vehicles. , 2016, , .		14
22	Adaptive output feedback super twisting algorithm for trajectory tracking control of USVs with saturated constraints. Ocean Engineering, 2022, 259, 111507.	4.3	14
23	Autonomous UAV Landing System Based on Visual Navigation. , 2019, , .		7
24	Adaptive PID control of robotic manipulators without equality/inequality constraints on control gains. International Journal of Robust and Nonlinear Control, 0, , .	3.7	4
25	Scale-Adaptive Pothole Detection and Tracking from 3-D Road Point Clouds. , 2021, , .		4
26	PT-ResNet: Perspective Transformation-Based Residual Network for Semantic Road Image Segmentation. , 2019, , .		3
27	Control Strategies for Target-Attacker-Defender Games of USVs. , 2021, , .		3
28	MLP-based adaptive neural control of nonlinear time-delay systems with the unknown hysteresis. International Journal of Systems Science, 2017, 48, 1682-1691.	5.5	2
29	Fast Trajectory Tracking Control of Underactuated Autonomous Underwater Vehicles. , 2018, , .		2
30	Multitask Cooperative Formation Control of Autonomous Surface Vehicles With Interception of Moving Objects. IEEE Journal of Oceanic Engineering, 2022, 47, 271-281.	3.8	2
31	Adaptive Cooperative Formation Control of Autonomous Surface Vessels With Interception of Moving Objects. , 2020, , .		1