Shuanghe Yu

List of Publications by Year in descending order

48 papers	3,629 citations	471509 17 h-index	289244 40 g-index
49 all docs	49 docs citations	49 times ranked	2587 citing authors

#	Article	IF	Citations
1	Finite-time dynamic event-triggered consensus of multi-agent systems with disturbances via integral sliding mode. International Journal of Control, 2023, 96, 272-281.	1.9	9
2	Adaptive dynamic event-triggered consensus control of multiple autonomous underwater vehicles. International Journal of Control, 2023, 96, 746-756.	1.9	13
3	An improved fixed-time bipartite flocking protocol for nonlinear multi-agent systems. International Journal of Control, 2022, 95, 900-905.	1.9	9
4	Leader-following consensus for multi-agent systems subject to cyber attacks: Dynamic event-triggered control. ISA Transactions, 2022, 128, 1-9.	5.7	7
5	Event-triggered output feedback sliding mode control of mechanical systems. Nonlinear Dynamics, 2022, 107, 3543-3555.	5.2	8
6	Event-based secure consensus of multiple AUVs under DoS attacks. Nonlinear Dynamics, 2022, 107, 2407-2419.	5.2	8
7	Resilient observer-based sliding mode control of connected vehicles with denial-of-service attacks. Journal of the Franklin Institute, 2022, 359, 2886-2905.	3.4	12
8	A fast tube model predictive control scheme based on sliding mode control for underwater vehicle-manipulator system. Ocean Engineering, 2022, 254, 111259.	4.3	10
9	An Enhanced Fuzzy Control Strategy for Low-Level Thrusters in Marine Dynamic Positioning Systems Based on Chaotic Random Distribution Harmony Search. International Journal of Fuzzy Systems, 2021, 23, 1823-1839.	4.0	17
10	Euler's Discretization Effect on a Sliding-Mode Control System With Supertwisting Algorithm. IEEE Transactions on Automatic Control, 2021, 66, 2817-2824.	5.7	12
11	Robust guaranteed cost rate antiâ€bump switching control for switched systems. International Journal of Robust and Nonlinear Control, 2021, 31, 6334-6348.	3.7	4
12	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e272" altimg="si4.svg"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>â^ž</mml:mi></mml:mrow></mml:msub></mml:math> finite-time composite anti-disturbance switching control for switched systems. ISA Transactions, 2021, 115, 71-78.	5.7	5
13	Sampled-Data Consensus for Networked Euler-Lagrange Systems with Differentiable Scaling Functions. IEEE Access, 2021, , 1-1.	4.2	3
14	Fixedâ€time stability of stochastic nonlinear systems and its application into stochastic multiâ€agent systems. IET Control Theory and Applications, 2021, 15, 126-135.	2.1	19
15	Sampled-Data Consensus of Networked Euler-Lagrange Systems: A Discrete Small-Gain Approach. IEEE Access, 2021, 9, 156548-156555.	4.2	1
16	An Adaptive EKF-FMPC for the Trajectory Tracking of UVMS. IEEE Journal of Oceanic Engineering, 2020, 45, 699-713.	3.8	28
17	Nonsingular fixed-time terminal sliding mode trajectory tracking control for marine surface vessels with anti-disturbances. Ocean Engineering, 2020, 217, 108158.	4.3	42
18	Fixed-time Trajectory Tracking Control for Marine Surface Vessels based on Fixed-time Disturbance Observer. , 2020, , .		0

#	Article	IF	Citations
19	Robust Control of Underwater Vehicle-Manipulator System Using Grey Wolf Optimizer-Based Nonlinear Disturbance Observer and H-Infinity Controller. Complexity, 2020, 2020, 1-17.	1.6	10
20	Fixed-Time Stabilization of Nonlinear System and its Application into General Neural Networks. IEEE Access, 2020, 8, 58171-58179.	4.2	9
21	Anti-Disturbance Bumpless Transfer Control for Switched Systems With its Application to Switched Circuit Model. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3177-3181.	3.0	64
22	Quantization-based event-triggered sliding mode tracking control of mechanical systems. Information Sciences, 2020, 523, 296-306.	6.9	33
23	Tracking and Speed Estimation of Ground Vehicles Using Aerial-view Videos. , 2020, , .		2
24	Fixed-Time Observer Based Prescribed-Time Containment Control of Unmanned Underwater Vehicles with Faults and Uncertainties. Sensors, 2019, 19, 4515.	3.8	9
25	Finite-Time Trajectory Tracking for Marine Vessel by Nonsingular Backstepping Controller With Unknown External Disturbance. IEEE Access, 2019, 7, 165897-165907.	4.2	9
26	An EKF-Based Fast Tube MPC Scheme for Moving Target Tracking of a Redundant Underwater Vehicle-Manipulator System. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2803-2814.	5.8	61
27	Fixed-time extended state observer-based trajectory tracking and point stabilization control for marine surface vessels with uncertainties and disturbances. Ocean Engineering, 2019, 186, 106109.	4.3	70
28	Affine transformationâ€based noâ€beacon circular formation of agents. Journal of Engineering, 2019, 2019, 599-604.	1.1	2
29	Bearingâ€angleâ€based circular formation control of unicycles with arbitrary phase allocation. Journal of Engineering, 2019, 2019, 623-628.	1.1	2
30	Fixed-time output feedback trajectory tracking control of marine surface vessels subject to unknown external disturbances and uncertainties. ISA Transactions, 2019, 93, 145-155.	5.7	100
31	Quantized super-twisting algorithm based sliding mode control. Automatica, 2019, 105, 43-48.	5.0	46
32	System Modeling and Simulation of an Unmanned Aerial Underwater Vehicle. Journal of Marine Science and Engineering, 2019, 7, 444.	2.6	21
33	Cooperative tracking of vessel trajectories based on curved dynamic coordinates. Asian Journal of Control, 2019, 21, 2451-2467.	3.0	9
34	Formation control of multiple underwater vehicles subject to communication faults and uncertainties. Applied Ocean Research, 2019, 82, 109-116.	4.1	32
35	Fixed-time stability theorem of stochastic nonlinear systems. International Journal of Control, 2019, 92, 2194-2200.	1.9	91
36	Design of an indirect adaptive controller for the trajectory tracking of UVMS. Ocean Engineering, 2018, 151, 234-245.	4.3	40

#	Article	IF	Citations
37	Sliding mode tracking control of autonomous underwater vehicles with the effect of quantization. Ocean Engineering, 2018, 151, 322-328.	4.3	105
38	An improved dynamic quantization scheme for uncertain linear networked control systems. Automatica, 2018, 92, 244-248.	5.0	26
39	Circular Formation Control of Multiagent Systems with Any Preset Phase Arrangement. Journal of Control Science and Engineering, 2018, 2018, 1-11.	1.0	8
40	Cooperative tracking of marine vessels based on sliding mode. , 2016, , .		1
41	Finite-time consensus for second-order multi-agent systems with disturbances by integral sliding mode. Automatica, 2015, 54, 158-165.	5.0	383
42	3-D Kinematics Modeling for Mobile Robot with Steering Castered-and-Cambered Wheels. , 2007, , .		3
43	Adaptive Autopilot Design of Time-Varying Uncertain Ships With Completely Unknown Control Coefficient. IEEE Journal of Oceanic Engineering, 2007, 32, 346-352.	3.8	101
44	Control for an Innovative Robotics Platform of Rinsing System for Vehicles of Urban Mass Transit. , 2007, , .		1
45	Maneuver Control of Mobile Robot Based on Equivalent Instantaneous Center of Rotation in Rough Terrain. , 2007, , .		4
46	An FDI approach for aircraft actuator lock-in-place fault. , 2007, , .		2
47	Adaptive Control for a Class of Time-varying Uncertain Nonlinear Systems. , 2006, , .		0
48	Continuous finite-time control for robotic manipulators with terminal sliding mode. Automatica, 2005, 41, 1957-1964.	5.0	2,178