Shuanghe Yu

List of Publications by Year in descending order

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48	3,629	471061	288905
papers	citations	17 h-index	40 g-index

49	49	49	2587
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Continuous finite-time control for robotic manipulators with terminal sliding mode. Automatica, 2005, 41, 1957-1964.	3.0	2,178
2	Finite-time consensus for second-order multi-agent systems with disturbances by integral sliding mode. Automatica, 2015, 54, 158-165.	3.0	383
3	Sliding mode tracking control of autonomous underwater vehicles with the effect of quantization. Ocean Engineering, 2018, 151, 322-328.	1.9	105
4	Adaptive Autopilot Design of Time-Varying Uncertain Ships With Completely Unknown Control Coefficient. IEEE Journal of Oceanic Engineering, 2007, 32, 346-352.	2.1	101
5	Fixed-time output feedback trajectory tracking control of marine surface vessels subject to unknown external disturbances and uncertainties. ISA Transactions, 2019, 93, 145-155.	3.1	100
6	Fixed-time stability theorem of stochastic nonlinear systems. International Journal of Control, 2019, 92, 2194-2200.	1.2	91
7	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.	1.9	70
8	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.	2.2	64
9	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.	3.7	61
10	Quantized super-twisting algorithm based sliding mode control. Automatica, 2019, 105, 43-48.	3.0	46
11	Nonsingular fixed-time terminal sliding mode trajectory tracking control for marine surface vessels with anti-disturbances. Ocean Engineering, 2020, 217, 108158.	1.9	42
12	Design of an indirect adaptive controller for the trajectory tracking of UVMS. Ocean Engineering, 2018, 151, 234-245.	1.9	40
13	Quantization-based event-triggered sliding mode tracking control of mechanical systems. Information Sciences, 2020, 523, 296-306.	4.0	33
14	Formation control of multiple underwater vehicles subject to communication faults and uncertainties. Applied Ocean Research, 2019, 82, 109-116.	1.8	32
15	An Adaptive EKF-FMPC for the Trajectory Tracking of UVMS. IEEE Journal of Oceanic Engineering, 2020, 45, 699-713.	2.1	28
16	An improved dynamic quantization scheme for uncertain linear networked control systems. Automatica, 2018, 92, 244-248.	3.0	26
17	System Modeling and Simulation of an Unmanned Aerial Underwater Vehicle. Journal of Marine Science and Engineering, 2019, 7, 444.	1.2	21
18	Fixedâ€time stability of stochastic nonlinear systems and its application into stochastic multiâ€agent systems. IET Control Theory and Applications, 2021, 15, 126-135.	1.2	19

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19	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.	2.3	17
20	Adaptive dynamic event-triggered consensus control of multiple autonomous underwater vehicles. International Journal of Control, 2023, 96, 746-756.	1.2	13
21	Euler's Discretization Effect on a Sliding-Mode Control System With Supertwisting Algorithm. IEEE Transactions on Automatic Control, 2021, 66, 2817-2824.	3.6	12
22	Resilient observer-based sliding mode control of connected vehicles with denial-of-service attacks. Journal of the Franklin Institute, 2022, 359, 2886-2905.	1.9	12
23	Robust Control of Underwater Vehicle-Manipulator System Using Grey Wolf Optimizer-Based Nonlinear Disturbance Observer and H-Infinity Controller. Complexity, 2020, 2020, 1-17.	0.9	10
24	A fast tube model predictive control scheme based on sliding mode control for underwater vehicle-manipulator system. Ocean Engineering, 2022, 254, 111259.	1.9	10
25	Fixed-Time Observer Based Prescribed-Time Containment Control of Unmanned Underwater Vehicles with Faults and Uncertainties. Sensors, 2019, 19, 4515.	2.1	9
26	Finite-Time Trajectory Tracking for Marine Vessel by Nonsingular Backstepping Controller With Unknown External Disturbance. IEEE Access, 2019, 7, 165897-165907.	2.6	9
27	Cooperative tracking of vessel trajectories based on curved dynamic coordinates. Asian Journal of Control, 2019, 21, 2451-2467.	1.9	9
28	An improved fixed-time bipartite flocking protocol for nonlinear multi-agent systems. International Journal of Control, 2022, 95, 900-905.	1.2	9
29	Fixed-Time Stabilization of Nonlinear System and its Application into General Neural Networks. IEEE Access, 2020, 8, 58171-58179.	2.6	9
30	Finite-time dynamic event-triggered consensus of multi-agent systems with disturbances via integral sliding mode. International Journal of Control, 2023, 96, 272-281.	1.2	9
31	Circular Formation Control of Multiagent Systems with Any Preset Phase Arrangement. Journal of Control Science and Engineering, 2018, 2018, 1-11.	0.8	8
32	Event-triggered output feedback sliding mode control of mechanical systems. Nonlinear Dynamics, 2022, 107, 3543-3555.	2.7	8
33	Event-based secure consensus of multiple AUVs under DoS attacks. Nonlinear Dynamics, 2022, 107, 2407-2419.	2.7	8
34	Leader-following consensus for multi-agent systems subject to cyber attacks: Dynamic event-triggered control. ISA Transactions, 2022, 128, 1-9.	3.1	7
35	<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</mml:mi></mml:mrow></ finite-time composite anti-disturbance switching control for switched systems. ISA Transactions, 2021, 115, 71-78.	3.1	5
36	Maneuver Control of Mobile Robot Based on Equivalent Instantaneous Center of Rotation in Rough Terrain. , 2007, , .		4

#	Article	IF	Citations
37	Robust guaranteed cost rate antiâ€bump switching control for switched systems. International Journal of Robust and Nonlinear Control, 2021, 31, 6334-6348.	2.1	4
38	3-D Kinematics Modeling for Mobile Robot with Steering Castered-and-Cambered Wheels. , 2007, , .		3
39	Sampled-Data Consensus for Networked Euler-Lagrange Systems with Differentiable Scaling Functions. IEEE Access, 2021, , 1-1.	2.6	3
40	An FDI approach for aircraft actuator lock-in-place fault. , 2007, , .		2
41	Affine transformationâ€based noâ€beacon circular formation of agents. Journal of Engineering, 2019, 2019, 599-604.	0.6	2
42	Bearingâ€angleâ€based circular formation control of unicycles with arbitrary phase allocation. Journal of Engineering, 2019, 2019, 623-628.	0.6	2
43	Tracking and Speed Estimation of Ground Vehicles Using Aerial-view Videos. , 2020, , .		2
44	Control for an Innovative Robotics Platform of Rinsing System for Vehicles of Urban Mass Transit. , 2007, , .		1
45	Cooperative tracking of marine vessels based on sliding mode. , 2016, , .		1
46	Sampled-Data Consensus of Networked Euler-Lagrange Systems: A Discrete Small-Gain Approach. IEEE Access, 2021, 9, 156548-156555.	2.6	1
47	Adaptive Control for a Class of Time-varying Uncertain Nonlinear Systems. , 2006, , .		0
48	Fixed-time Trajectory Tracking Control for Marine Surface Vessels based on Fixed-time Disturbance Observer. , 2020, , .		0