

Caisheng Wei

List of Publications by Year in descending order

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papers

977
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489802

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47
times ranked

563
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning Observer and Performance Tuning-Based Robust Consensus Policy for Multiagent Systems. IEEE Systems Journal, 2022, 16, 431-439.	2.9	10
2	Adaptive Appointed-Time Consensus Control of Networked Euler-Lagrange Systems With Connectivity Preservation. IEEE Transactions on Cybernetics, 2022, 52, 12379-12392.	6.2	18
3	On Prescribed Performance Synchronization to QUAD Nonlinear Multi-Agent Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1377-1381.	2.2	3
4	Adaptive leader-following performance guaranteed formation control for multiple spacecraft with collision avoidance and connectivity assurance. Aerospace Science and Technology, 2022, 120, 107266.	2.5	35
5	Adaptive finite-time prescribed performance attitude tracking control for reusable launch vehicle during reentry phase: An event-triggered case. Advances in Space Research, 2022, 69, 3814-3827.	1.2	6
6	Nonlinear disturbance observer based adaptive super-twisting sliding mode control for generic hypersonic vehicles with coupled multisource disturbances. European Journal of Control, 2021, 57, 253-262.	1.6	22
7	Observer-based fault-tolerant attitude tracking control for rigid spacecraft with actuator saturation and faults. Acta Astronautica, 2021, 178, 824-834.	1.7	33
8	An overview of prescribed performance control and its application to spacecraft attitude system. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 435-447.	0.7	26
9	Robust model predictive control of uncertain nonlinear time-delay systems via control contraction metric technique. International Journal of Robust and Nonlinear Control, 2021, 31, 3330-3353.	2.1	1
10	Learning-based adaptive fault tolerant control for hypersonic flight vehicles with abrupt actuator faults and finite time prescribed tracking performance. European Journal of Control, 2021, 58, 17-26.	1.6	14
11	Output constrained adaptive neural control for generic hypersonic vehicles suffering from non-affine aerodynamic characteristics and stochastic disturbances. Aerospace Science and Technology, 2021, 111, 106469.	2.5	11
12	Super-twisting disturbance observer-based fuzzy adaptive finite-time control for a class of space unmanned systems with time-varying output constraints. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 1583-1593.	0.7	2
13	Reinforcement Learning Based Attitude Tracking Control of Spacecraft with Actuator Saturation and Inertial Uncertainty. , 2021, , .		0
14	BLSTM-Based Adaptive Finite-Time Output-Constrained Control for a Class of AUSs with Dynamic Disturbances and Actuator Faults. Mathematical Problems in Engineering, 2021, 2021, 1-15.	0.6	3
15	On Novel Adaptive Coordinated Control for Spacecraft Formation: An Adjustable Performance Approach. IEEE Access, 2021, 9, 96799-96813.	2.6	4
16	Evasion-Faced Fast Adaptive Neural Attitude Control for Generic Hypersonic Vehicles with Structural and Parametric Uncertainties. Mathematical Problems in Engineering, 2021, 2021, 1-12.	0.6	1
17	Novel finite-time attitude control of postcapture spacecraft with input faults and quantization. Advances in Space Research, 2020, 65, 297-311.	1.2	18
18	Robust prescribed performance control for Euler-Lagrange systems with practically finite-time stability. European Journal of Control, 2020, 52, 1-10.	1.6	38

#	ARTICLE	IF	CITATIONS
19	Satellite Swarm Reconfiguration Planning Based on Surrogate Models. <i>Journal of Guidance, Control, and Dynamics</i> , 2020, 43, 1750-1756.	1.6	6
20	ESO-based Trajectory Tracking Control for Quadrotor UAV with Prescribed Performance. , 2020, , .		2
21	Event-driven adaptive fault-tolerant tracking control for uncertain mechanical systems with application to flexible spacecraft. <i>JVC/Journal of Vibration and Control</i> , 2020, 26, 1735-1752.	1.5	11
22	ESO-based saturated deployment control of tethered satellite system with finite-time tracking performance guarantees. <i>IFAC-PapersOnLine</i> , 2020, 53, 5689-5694.	0.5	1
23	Adaptive Quasi Fixed-Time Orbit Control Around Asteroid with Performance Guarantees. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2020, 122, 89-107.	0.8	2
24	Learning-Based Adaptive Attitude Control of Spacecraft Formation With Guaranteed Prescribed Performance. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 4004-4016.	6.2	129
25	Some new results on the finite-time control and its application to a chemical reactor system. <i>Journal of Physics: Conference Series</i> , 2019, 1187, 032012.	0.3	0
26	Appointed-time prescribed performance attitude tracking control via double performance functions. <i>Aerospace Science and Technology</i> , 2019, 93, 105337.	2.5	85
27	Two-stage filter for inertia characteristics estimation of high-speed tumbling targets. <i>Aerospace Science and Technology</i> , 2019, 89, 333-344.	2.5	7
28	Quasi fixed-time fault-tolerant control for nonlinear mechanical systems with enhanced performance. <i>Applied Mathematics and Computation</i> , 2019, 352, 157-173.	1.4	28
29	Active vibration control of underactuated free-floating spacecraft via a performance enhanced way. <i>Acta Astronautica</i> , 2019, 157, 477-488.	1.7	11
30	Low-complexity prescribed performance control for spacecraft attitude stabilization and tracking. <i>Aerospace Science and Technology</i> , 2018, 74, 173-183.	2.5	72
31	On novel adaptive saturated deployment control of tethered satellite system with guaranteed output tracking prescribed performance. <i>Aerospace Science and Technology</i> , 2018, 75, 58-73.	2.5	23
32	Robust inertia-free attitude takeover control of postcapture combined spacecraft with guaranteed prescribed performance. <i>ISA Transactions</i> , 2018, 74, 28-44.	3.1	55
33	Learning-based adaptive prescribed performance control of postcapture space robot-target combination without inertia identifications. <i>Acta Astronautica</i> , 2018, 146, 228-242.	1.7	44
34	Adaptive model-free constrained control of postcapture flexible spacecraft: a Euler-Lagrange approach. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4885-4903.	1.5	34
35	Robust LS-SVM-based adaptive constrained control for a class of uncertain nonlinear systems with time-varying predefined performance. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 56, 561-587.	1.7	19
36	Robust estimation-free decentralized prescribed performance control of nonaffine nonlinear large-scale systems. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 174-196.	2.1	30

#	ARTICLE	IF	CITATIONS
37	Leader-following consensus of second-order multi-agent systems with arbitrarily appointed time prescribed performance. IET Control Theory and Applications, 2018, 12, 2276-2286.	1.2	61
38	Semisynchronizing Strategy for Capturing a High-Speed Tumbling Target. Journal of Guidance, Control, and Dynamics, 2018, 41, 2615-2632.	1.6	7
39	Event-triggered neuroadaptive control for postcapture spacecraft with ultralow-frequency actuator updates. Neurocomputing, 2018, 315, 310-321.	3.5	19
40	Novel Adaptive Saturated Attitude Tracking Control of Rigid Spacecraft with Guaranteed Transient and Steady-State Performance. Journal of Aerospace Engineering, 2018, 31, .	0.8	13
41	Globally robust explicit model predictive control of constrained systems exploiting SVM-based approximation. International Journal of Robust and Nonlinear Control, 2017, 27, 3000-3027.	2.1	18
42	Efficient adaptive constrained control with time-varying predefined performance for a hypersonic flight vehicle. International Journal of Advanced Robotic Systems, 2017, 14, 172988141668750.	1.3	13
43	Low-complexity differentiator-based decentralized fault-tolerant control of uncertain large-scale nonlinear systems with unknown dead zone. Nonlinear Dynamics, 2017, 89, 2573-2592.	2.7	39
44	Low-complexity stabilization control of combined spacecraft with an unknown captured object. , 2017, , .		3