

Lei Liu

List of Publications by Year in descending order

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papers

606
citations

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24
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44
all docs

44
docs citations

44
times ranked

449
citing authors

#	ARTICLE	IF	CITATIONS
1	Terminal sliding mode control based impact time and angle constrained guidance. Aerospace Science and Technology, 2019, 93, 105142.	2.5	46
2	Echo state network based predictive control with particle swarm optimization for pneumatic muscle actuator. Journal of the Franklin Institute, 2016, 353, 2761-2782.	1.9	43
3	Disturbance observer-based gain adaptation high-order sliding mode control of hypersonic vehicles. Aerospace Science and Technology, 2019, 89, 19-30.	2.5	41
4	A novel active fault-tolerant control for spacecrafts with full state constraints and input saturation. Aerospace Science and Technology, 2021, 108, 106368.	2.5	41
5	Active fault-tolerant attitude tracking control with adaptive gain for spacecrafts. Aerospace Science and Technology, 2020, 98, 105706.	2.5	39
6	On-line reentry guidance algorithm with both path and no-fly zone constraints. Acta Astronautica, 2015, 117, 243-253.	1.7	37
7	Online policy iteration ADP-based attitude-tracking control for hypersonic vehicles. Aerospace Science and Technology, 2020, 106, 106233.	2.5	37
8	Terminal Impact Angle Constraint Guidance With Dual Sliding Surfaces and Model-Free Target Acceleration Estimator. IEEE Transactions on Control Systems Technology, 2017, 25, 85-100.	3.2	34
9	Online trajectory planning and guidance for reusable launch vehicles in the terminal area. Acta Astronautica, 2016, 118, 237-245.	1.7	32
10	Time-to-go estimation for terminal sliding mode based impact angle constrained guidance. Aerospace Science and Technology, 2017, 71, 685-694.	2.5	24
11	A composite impact-time-control guidance law and simultaneous arrival. Aerospace Science and Technology, 2018, 80, 403-412.	2.5	22
12	Dynamic decoupling tracking control for the polytopic LPV model of hypersonic vehicle. Science China Information Sciences, 2015, 58, 1-14.	2.7	21
13	Minimum time state consensus for cooperative attack of multi-missile systems. Aerospace Science and Technology, 2017, 69, 87-96.	2.5	17
14	On-line Ascent Phase Trajectory Optimal Guidance Algorithm based on Pseudo-spectral Method and Sensitivity Updates. Journal of Navigation, 2015, 68, 1056-1074.	1.0	15
15	Distributed robust adaptive formation control of fixed-wing UAVs with unknown uncertainties and disturbances. Aerospace Science and Technology, 2022, 126, 107600.	2.5	15
16	Clearance of flight control law based on structural singular value theory. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 2138-2147.	2.6	14
17	Adaptive Finite-Time Fault-Tolerant Control of Uncertain Systems With Input Saturation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 165-177.	5.9	14
18	Reentry Trajectory Optimization for a Hypersonic Vehicle Based on an Improved Adaptive Fireworks Algorithm. International Journal of Aerospace Engineering, 2018, 2018, 1-17.	0.5	12

#	ARTICLE	IF	CITATIONS
19	Lyapunov-based switched-gain impact angle control guidance. Chinese Journal of Aeronautics, 2018, 31, 765-775.	2.8	11
20	Adaptive dynamic surface control using neural networks for hypersonic flight vehicle with input nonlinearities. Optimal Control Applications and Methods, 2020, 41, 1904-1927.	1.3	11
21	A Three-Dimensional Cooperative Guidance Law of Multimissile System. International Journal of Aerospace Engineering, 2015, 2015, 1-8.	0.5	8
22	Legendre Cooperative PSO Strategies for Trajectory Optimization. Complexity, 2018, 2018, 1-13.	0.9	8
23	Attitude Tracking Control Reconfiguration for Space Launch Vehicle With Thrust Loss Fault. IEEE Access, 2019, 7, 184353-184364.	2.6	8
24	Stabilization of nonlinear uncertain systems with stochastic actuator failures and time-varying delay. International Journal of Robust and Nonlinear Control, 2016, 26, 1825-1840.	2.1	7
25	Improved Hybrid Fireworks Algorithm-Based Parameter Optimization in High-Order Sliding Mode Control of Hypersonic Vehicles. Complexity, 2018, 2018, 1-16.	0.9	6
26	Adaptive Dynamic Surface Control for Aircraft With Multiple Disturbances Based on Radial Basis Network. IEEE Access, 2020, 8, 57709-57721.	2.6	6
27	Robust Finite-Time Tracking for Uncertain Linear Systems with Actuator Faults. Complexity, 2020, 2020, 1-13.	0.9	6
28	Triggered finite-time consensus of first-order multi-agent systems with input saturation. IET Control Theory and Applications, 2022, 16, 464-474.	1.2	6
29	Partial Pole Placement in LMI Region. Journal of Control Science and Engineering, 2014, 2014, 1-5.	0.8	4
30	Ascent trajectory optimization of hypersonic vehicle based on improved Particle Swarm algorithm. , 2015, , .		3
31	Defendable Region for the Multiplayer Reach-Avoid Game with Free Attacker-Defender Velocity Ratio. IFAC-PapersOnLine, 2017, 50, 15024-15031.	0.5	3
32	Fixed-Time Convergent Guidance Law with Impact Angle Control. Complexity, 2020, 2020, 1-9.	0.9	3
33	Trajectories optimization of hypersonic vehicle based on a hybrid optimization algorithm of PSO and SQP. , 2015, , .		2
34	Ascent guidance for air-breathing hypersonic vehicles based on dynamic inversion. International Journal of Advanced Robotic Systems, 2017, 14, 172988141770377.	1.3	2
35	Spacecraft orbit design based on intelligent optimization. , 2017, , .		2
36	Optimal maintenance planning in building retrofitting with interacting energy effects. Optimal Control Applications and Methods, 2020, 41, 2023-2036.	1.3	2

#	ARTICLE	IF	CITATIONS
37	A BMI approach for H ₂ based decomposition. International Journal of Control, Automation and Systems, 2012, 10, 470-480.	1.6	1
38	Observer-based robust control for a flexible launch vehicle. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2015, 229, 506-516.	0.7	1
39	Integrated Estimation/Guidance Law against Exoatmospheric Maneuvering Targets. Complexity, 2018, 2018, 1-19.	0.9	1
40	Reliability-based linear parameter varying robust non-fragile control for hypersonic vehicles with disturbance observer. Cluster Computing, 2019, 22, 6709-6728.	3.5	1
41	Autonomous flight and landing for multi-rotor using integrated navigation and vision detection. , 2017, , .		0
42	A Multiscale Differential Evolution Algorithm-Based Maintenance Plan Optimization for Building Energy Retrofitting. Complexity, 2018, 2018, 1-12.	0.9	0
43	A Coordination Law for Multiple Air Vehicles in Distributed Communication Scenarios. Journal of Advanced Transportation, 2020, 2020, 1-10.	0.9	0
44	Attitude Control of Reentry Vehicle Based on Adaptive Dynamic Programming with Incremental Model. Lecture Notes in Electrical Engineering, 2022, , 3203-3216.	0.3	0