

# Lei Liu

## List of Publications by Year in descending order

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44  
papers

606  
citations

567144

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610775

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all docs

44  
docs citations

44  
times ranked

449  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Attitude Control of Reentry Vehicle Based on Adaptive Dynamic Programming with Incremental Model. Lecture Notes in Electrical Engineering, 2022, , 3203-3216.	0.3	0
3	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
4	Distributed robust adaptive formation control of fixed-wing UAVs with unknown uncertainties and disturbances. Aerospace Science and Technology, 2022, 126, 107600.	2.5	15
5	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
6	Online policy iteration ADP-based attitude-tracking control for hypersonic vehicles. Aerospace Science and Technology, 2020, 106, 106233.	2.5	37
7	Fixed-Time Convergent Guidance Law with Impact Angle Control. Complexity, 2020, 2020, 1-9.	0.9	3
8	A Coordination Law for Multiple Air Vehicles in Distributed Communication Scenarios. Journal of Advanced Transportation, 2020, 2020, 1-10.	0.9	0
9	Optimal maintenance planning in building retrofitting with interacting energy effects. Optimal Control Applications and Methods, 2020, 41, 2023-2036.	1.3	2
10	Adaptive Dynamic Surface Control for Aircraft With Multiple Disturbances Based on Radial Basis Network. IEEE Access, 2020, 8, 57709-57721.	2.6	6
11	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
12	Active fault-tolerant attitude tracking control with adaptive gain for spacecrafts. Aerospace Science and Technology, 2020, 98, 105706.	2.5	39
13	Robust Finite-Time Tracking for Uncertain Linear Systems with Actuator Faults. Complexity, 2020, 2020, 1-13.	0.9	6
14	Terminal sliding mode control based impact time and angle constrained guidance. Aerospace Science and Technology, 2019, 93, 105142.	2.5	46
15	Disturbance observer-based gain adaptation high-order sliding mode control of hypersonic vehicles. Aerospace Science and Technology, 2019, 89, 19-30.	2.5	41
16	Attitude Tracking Control Reconfiguration for Space Launch Vehicle With Thrust Loss Fault. IEEE Access, 2019, 7, 184353-184364.	2.6	8
17	Reliability-based linear parameter varying robust non-fragile control for hypersonic vehicles with disturbance observer. Cluster Computing, 2019, 22, 6709-6728.	3.5	1
18	Integrated Estimation/Guidance Law against Exoatmospheric Maneuvering Targets. Complexity, 2018, 2018, 1-19.	0.9	1

#	ARTICLE	IF	CITATIONS
19	A Multiscale Differential Evolution Algorithm-Based Maintenance Plan Optimization for Building Energy Retrofitting. Complexity, 2018, 2018, 1-12.	0.9	0
20	A composite impact-time-control guidance law and simultaneous arrival. Aerospace Science and Technology, 2018, 80, 403-412.	2.5	22
21	Legendre Cooperative PSO Strategies for Trajectory Optimization. Complexity, 2018, 2018, 1-13.	0.9	8
22	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
23	Improved Hybrid Fireworks Algorithm-Based Parameter Optimization in High-Order Sliding Mode Control of Hypersonic Vehicles. Complexity, 2018, 2018, 1-16.	0.9	6
24	Lyapunov-based switched-gain impact angle control guidance. Chinese Journal of Aeronautics, 2018, 31, 765-775.	2.8	11
25	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
26	Time-to-go estimation for terminal sliding mode based impact angle constrained guidance. Aerospace Science and Technology, 2017, 71, 685-694.	2.5	24
27	Ascent guidance for air-breathing hypersonic vehicles based on dynamic inversion. International Journal of Advanced Robotic Systems, 2017, 14, 172988141770377.	1.3	2
28	Minimum time state consensus for cooperative attack of multi-missile systems. Aerospace Science and Technology, 2017, 69, 87-96.	2.5	17
29	Defendable Region for the Multiplayer Reach-Avoid Game with Free Attacker-Defender Velocity Ratio. IFAC-PapersOnLine, 2017, 50, 15024-15031.	0.5	3
30	Autonomous flight and landing for multi-rotor using integrated navigation and vision detection. , 2017, , .		0
31	Spacecraft orbit design based on intelligent optimization. , 2017, , .		2
32	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
33	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
34	Online trajectory planning and guidance for reusable launch vehicles in the terminal area. Acta Astronautica, 2016, 118, 237-245.	1.7	32
35	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
36	A Three-Dimensional Cooperative Guidance Law of Multimissile System. International Journal of Aerospace Engineering, 2015, 2015, 1-8.	0.5	8

#	ARTICLE	IF	CITATIONS
37	Dynamic decoupling tracking control for the polytopic LPV model of hypersonic vehicle. Science China Information Sciences, 2015, 58, 1-14.	2.7	21
38	Ascent trajectory optimization of hypersonic vehicle based on improved Particle Swarm algorithm. , 2015, , .		3
39	Trajectories optimization of hypersonic vehicle based on a hybrid optimization algorithm of PSO and SQP. , 2015, , .		2
40	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
41	On-line reentry guidance algorithm with both path and no-fly zone constraints. Acta Astronautica, 2015, 117, 243-253.	1.7	37
42	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
43	Partial Pole Placement in LMI Region. Journal of Control Science and Engineering, 2014, 2014, 1-5.	0.8	4
44	A BMI approach for H 2 based decomposition. International Journal of Control, Automation and Systems, 2012, 10, 470-480.	1.6	1