Chunsheng Liu

List of Publications by Year
in descending order

41 papers	373 citations	840776 11 h-index	839539 18 g-index
41 all docs	41 docs citations	41 times ranked	343 citing authors

#	ARTICLE	IF	CITATIONS
1	Robust differential game guidance laws design for uncertain interceptor-target engagement via adaptive dynamic programming. International Journal of Control, 2017, 90, 990-1004.	1.9	48
2	Distributed zero-sum differential game for multi-agent systems in strict-feedback form with input saturation and output constraint. Neural Networks, 2018, 106, 8-19.	5.9	43
3	Distributed Fuzzy Adaptive Backstepping Optimal Control for Nonlinear Multi-missile Guidance Systems with Input Saturation. IEEE Transactions on Fuzzy Systems, 2018, , 1-1.	9.8	34
4	Backstepping‐based zero‐sum differential games for missile‐target interception systems with input and output constraints. IET Control Theory and Applications, 2018, 12, 243-253.	2.1	28
5	Finite-horizon tracking control for a class of stochastic systems subject to input constraints and hybrid cyber attacks. ISA Transactions, 2020, 104, 93-100.	5.7	20
6	Finite-horizon differential games for missile–target interception system using adaptive dynamic programming with input constraints. International Journal of Systems Science, 2018, 49, 264-283.	5.5	18
7	H_∞ fault-tolerant control for time-varied actuator fault of nonlinear system. International Journal of Systems Science, 2014, 45, 2447-2457.	5.5	16
8	Adaptive Active Fault Tolerant Control for Discrete‐Time Systems with Uncertainties. Asian Journal of Control, 2016, 18, 1417-1426.	3.0	15
9	Data‐Driven Adaptive Critic Approach for Nonlinear Optimal Control via Least Squares Support Vector Machine. Asian Journal of Control, 2018, 20, 104-114.	3.0	15
10	Decentralised zero-sum differential game for a class of large-scale interconnected systems via adaptive dynamic programming. International Journal of Control, 2019, 92, 2917-2927.	1.9	14
11	Novel robust control framework for morphing aircraft. Journal of Systems Engineering and Electronics, 2013, 24, 281-287.	2.2	11
12	A Backstepping-Based Guidance Law for an Exoatmospheric Missile With Impact Angle Constraint. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 547-561.	4.7	11
13	Flight Dynamics Modeling and Dynamic Stability Analysis of Tilt-Rotor Aircraft. International Journal of Aerospace Engineering, 2019, 2019, 1-15.	0.9	9
14	Robust optimal control for finite-horizon zero-sum differential games via a plug-n-play event-triggered scheme. Journal of the Franklin Institute, 2020, 357, 5989-6017.	3.4	9
15	Adaptive optimal fault-tolerant control scheme for a class of strict-feedback nonlinear systems. Transactions of the Institute of Measurement and Control, 2019, 41, 1079-1087.	1.7	8
16	Auxiliary-system-based composite adaptive optimal backstepping control for uncertain nonlinear guidance systems with input constraints. ISA Transactions, 2020, 107, 294-306.	5.7	8
17	Adaptive periodic event-triggered control for missile-target interception system with finite-horizon convergence. Transactions of the Institute of Measurement and Control, 2020, 42, 1808-1822.	1.7	8
18	MIMO Adaptive High-Order Sliding Mode Control for Quadrotor Attitude Tracking. Journal of Aerospace Engineering, 2021, 34, .	1.4	8

#	Article	IF	Citations
19	A Differential Game Based Guidance Law for an Accelerating Exoatmospheric Missile. Asian Journal of Control, 2017, 19, 1205-1216.	3.0	7
20	Backstepping-based adaptive predictive optimal control of nonlinear systems with application to missile–target engagement. ISA Transactions, 2018, 83, 42-52.	5.7	7
21	A L_1 Adaptive Control Scheme for UAV Carrier Landing Using Nonlinear Dynamic Inversion. International Journal of Aerospace Engineering, 2019, 2019, 1-8.	0.9	6
22	Zero-sum differential games-based fast adaptive robust optimal sliding mode control design for uncertain missile autopilot with constrained input. International Journal of Control, 2022, 95, 1789-1801.	1.9	6
23	Adaptive dynamic surface-based differential games for a class of pure-feedback nonlinear systems with output constraints. International Journal of Control, 2020, 93, 1291-1302.	1.9	5
24	Fault tolerant control with disturbance estimator for a class of linear parameter varying systems subject to time-varying fault. Transactions of the Institute of Measurement and Control, 2019, 41, 3836-3846.	1.7	3
25	Compensator-based approximate optimal control for affine nonlinear systems with input constraints and unmatched disturbances. Transactions of the Institute of Measurement and Control, 2020, 42, 3024-3034.	1.7	3
26	Finite‐horizon optimal tracking control for constrained‐input nonlinear interconnected system using aperiodic distributed nonzero‐sum games. IET Control Theory and Applications, 2021, 15, 1199-1213.	2.1	3
27	Event-based optimal guidance laws design for missile-target interception systems using fuzzy dynamic programming approach. ISA Transactions, 2022, 128, 243-255.	5.7	3
28	Robust zero-sum differential game for uncertain nonlinear systems via adaptive dynamic programming. , 2016, , .		2
29	Zero-sum differential games for nonlinear systems using adaptive dynamic programming with input constraint. , 2017, , .		2
30	Fault tolerant control based on adaptive control allocation with a multiple effectors aircraft application. , 2012, , .		1
31	L1adaptive output feedback controller for tilt-rotor aircraft. , 2016, , .		1
32	Robust optimal control for missile-target guidance systems via adaptive dynamic programming. , 2018, , .		1
33	Optimal fault-tolerant tracking control of systems with parameter uncertainty. , 2014, , .		0
34	Robust NN control for an aircraft with unknown disturbances. , 2016, , .		0
35	Carrier-based aircraft approach power compensator system design based on L<inf>1</inf> adaptive controller. , 2017, , .		0
36	Distributed differential game for nonlinear multiagent systems with unknown actuator faults and disturbance. , 2018, , .		0

#	Article	IF	Citations
37	Distributed Zero-Sum Differential Game for Multi-Agent Nonlinear Systems via Adaptive Dynamic Programming. , 2018, , .		0
38	Finite-time Differential Game for Nonlinear Systems Using Adaptive Dynamic Programming. , 2018, , .		0
39	Fault tolerant control using integral sliding modes with control allocation along the null-space. Transactions of the Institute of Measurement and Control, 2020, 42, 2011-2019.	1.7	0
40	Model Predictive Control Design for Tilt-Rotor Aircraft at Low Speed Flight. , 2020, , .		0
41	Optimized adaptive tracking control for nonlinear differential game systems. , 2021, , .		0