Adaptive block dynamic surface control for integrated r

Chinese Journal of Aeronautics 26, 741-750

DOI: 10.1016/j.cja.2013.04.035

Citation Report

#	Article	IF	CITATIONS
1	Integrated guidance control with sliding mode differentiator and neural network., 2014,,.		0
2	Backstepping attitude control for hypersonic gliding vehicle based on a robust dynamic inversion approach. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2014, 228, 543-552.	0.7	17
3	Mathematical modeling facing to three-dimensional integrated guidance and control for STT aircraft. , 2014, , .		1
4	Attitude control of spacecrafts based on small-gain theorem. , 2014, , .		2
5	Output regulation control for MIMO nonlinear system with mismatched disturbances and its application to BTT missiles. , 2014, , .		6
6	Backstepping sliding-mode control for missile attitude using a linear extended state observer. , 2014, , .		7
7	Research on Aircraft Attack Angle Control Considering Servo-Loop Dynamics. International Journal of Aerospace Engineering, 2015, 2015, 1-7.	0.5	1
8	Integrated guidance and control based on block backstepping sliding mode and dynamic control allocation. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 1559-1574.	0.7	33
9	Adaptive Integrated Guidance and Control Based on Backstepping for the Landing of Reusable Launch Vehicles**This work is supported by National Natural Science Foundation (NNSF) of China under Grant 61403030 IFAC-PapersOnLine, 2015, 48, 496-501.	0.5	6
10	Integrated guidance and control law for cooperative attack of multiple missiles. Aerospace Science and Technology, 2015, 42, 1-11.	2.5	80
11	Integrated interceptor guidance and control with prescribed performance. International Journal of Robust and Nonlinear Control, 2015, 25, 3179-3194.	2.1	29
12	Diving integrated guidance and control for hypersonic vehicle with impact angle constraints. , 2015, ,		O
13	Review of studies on integrated guidance and control design approach., 2015,,.		1
14	Three-dimensional integrated guidance and control for BTT aircraft constrained by terminal flight angles. , 2015, , .		2
15	Output-feedback based partial integrated missile guidance and control law design. Journal of Systems Engineering and Electronics, 2016, 27, 1238-1248.	1,1	4
16	Three-Dimensional Integrated Guidance and Control for Near Space Interceptor Based on Robust Adaptive Backstepping Approach. International Journal of Aerospace Engineering, 2016, 2016, 1-11.	0.5	45
17	Nonlinear robust dynamic surface controller design for twin rotor control system. , 2016, , .		0
18	A small-gain method for integrated guidance and control in approach and landing phase. , 2016, , .		O

#	Article	IF	Citations
19	Adaptive backstepping control for integrated guidance and control design with input constraints. , $2016, , .$		1
20	Dynamic surface attack angle control for aircraft considering actuator position saturation. , 2016, , .		2
21	Three dimensional impact angle constrained integrated guidance and control for missiles with input saturation and actuator failure. Aerospace Science and Technology, 2016, 53, 169-187.	2.5	78
22	Non-singular terminal dynamic surface control based integrated guidance and control design and simulation. ISA Transactions, 2016, 63, 112-120.	3.1	36
23	Integrated guidance and control with L2 disturbance attenuation for hypersonic vehicles. Advances in Space Research, 2016, 57, 2519-2528.	1.2	14
24	Integrated guidance and control for hypersonic vehicles in dive phase with multiple constraints. Aerospace Science and Technology, 2016, 53, 103-115.	2.5	52
25	L1 adaptive controller of nonlinear reference system in presence of unmatched uncertainties. Journal of Central South University, 2016, 23, 834-840.	1.2	2
26	Impact angle constrained three-dimensional integrated guidance and control for STT missile in the presence of input saturation. ISA Transactions, 2016, 64, 151-160.	3.1	36
27	Roll-pitch-yaw autopilot design for nonlinear time-varying missile using partial state observer based global fast terminal sliding mode control. Chinese Journal of Aeronautics, 2016, 29, 1302-1312.	2.8	15
28	Three-dimensional multivariable integrated guidance and control design for maneuvering targets interception. Journal of the Franklin Institute, 2016, 353, 4330-4350.	1.9	27
29	Integrated Guidance and Control for a Hypersonic Vehicle with Recursive H8 Method., 2016,,.		0
30	Command filtered adaptive control for integrated missile guidance and autopilot with terminal angular constraint., 2016,,.		1
31	Disturbance observer-based robust integrated guidance and control design for tactical missiles. , $2016, , .$		2
32	Three dimensional integrated guidance and control for slide to turn missile with input saturation. , 2016, , .		1
33	A continuous predictive approach based on backstepping with application to integrated guidance and control design. , $2016, \dots$		0
34	Dynamic surface control and active disturbance rejection control-based integrated guidance and control design and simulation for hypersonic reentry missile. International Journal of Modeling, Simulation, and Scientific Computing, 2016, 07, 1650025.	0.9	2
35	Guidance and control system design for hypersonic vehicles in dive phase. Aerospace Science and Technology, 2016, 53, 47-60.	2.5	32
36	Global robust finiteâ€time stabilisation of unknown pureâ€feedback systems with input deadâ€zone nonâ€linearity. IET Control Theory and Applications, 2016, 10, 234-243.	1.2	31

#	ARTICLE	IF	Citations
37	A small-gain method for integrated guidance and control in terminal phase of reentry. Acta Astronautica, 2017, 132, 282-292.	1.7	26
38	Adaptive control of uncertain pure-feedback nonlinear systems. International Journal of Systems Science, 2017, 48, 2137-2145.	3.7	15
39	Adaptive Neural Network Control for Missile Systems With Unknown Hysteresis Input. IEEE Access, 2017, 5, 15839-15847.	2.6	16
40	Integrated guidance and control design of the suicide UCAV for terminal attack. Journal of Systems Engineering and Electronics, 2017, 28, 546.	1.1	13
41	Impact Angle Constrained Integrated Guidance and Control for Maneuvering Target Interception. Journal of Guidance, Control, and Dynamics, 2017, 40, 2653-2661.	1.6	63
42	An integrated guidance and control approach in three-dimensional space for hypersonic missile constrained by impact angles. ISA Transactions, 2017, 66, 164-175.	3.1	40
43	Terminal angle constrained integrated guidance and control for missile pitch channel in the presence of input saturation. , 2017 , , .		1
44	Integrated guidance and control with input saturation. , 2017, , .		1
45	Integrated guidance and control for missiles with strap-down seeker., 2017,,.		3
46	Integrated guidance and control with impact angle constraint. , 2017, , .		1
47	An improved adaptive dynamic surface control approach for uncertain nonlinear systems. International Journal of Adaptive Control and Signal Processing, 2018, 32, 713-728.	2.3	20
48	Integrated 3â€D Flight Trajectory Tracking Control with Aerodynamic Constraints on Attitude and control Surfaces. Asian Journal of Control, 2018, 20, 1891-1906.	1.9	4
49	A new sliding mode control design for integrated missile guidance and control system. Aerospace Science and Technology, 2018, 78, 54-61.	2.5	68
50	A robust adaptive control approach to missile autopilot design. International Journal of Dynamics and Control, 2018, 6, 1239-1271.	1.5	11
51	Robust state-constrained control design for nonlinear systems with uncertainties using a new barrier Lyapunov function. Transactions of the Institute of Measurement and Control, 2018, 40, 3489-3497.	1.1	5
52	Integrated guidance and control with input saturation and disturbance observer. Journal of Control and Decision, 2018, 5, 277-299.	0.7	14
53	Observer-based integrated guidance and control under terminal impact angle constraint., 2018,,.		2
54	Research on Integrated Guidance and Control for Cooperative Distributed Multiple Flying Objects. , 2018, , .		O

#	Article	IF	CITATIONS
55	Multi-Stage Boost Aircraft Trajectory Optimization Strategy Based on Hp Adaptive Gauss Pseudo Spectral Method. , $2018, \ldots$		2
56	New Integrated Guidance and Control of Homing Missiles with an Impact Angle against a Ground Target. International Journal of Aerospace Engineering, 2018, 2018, 1-10.	0.5	14
57	Adaptive Fuzzy Sliding Mode Guidance Law considering Available Acceleration and Autopilot Dynamics. International Journal of Aerospace Engineering, 2018, 2018, 1-10.	0.5	8
58	Robust Smooth Sliding-Mode-Based Controller with Fixed-Time Convergence for Missiles considering Aerodynamic Uncertainty. International Journal of Aerospace Engineering, 2018, 2018, 1-12.	0.5	6
59	Three-dimensional integrated guidance and control for terminal angle constrained attack against ground maneuvering target. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 2393-2412.	0.7	4
60	Adaptive integrated guidance and control for impact angle constrained interception with actuator saturation. Aeronautical Journal, 2019, 123, 1437-1453.	1.1	5
61	Adaptive Dynamic Surface Control of Flight With Vector-Coupled Dynamics. IEEE Access, 2019, 7, 157330-157340.	2.6	0
62	Impact Angle Constrained Three-Dimensional Integrated Guidance and Control Based on Fractional Integral Terminal Sliding Mode Control. IEEE Access, 2019, 7, 126857-126870.	2.6	21
63	Robust partial integrated guidance and control approaches for maneuvering targets. International Journal of Robust and Nonlinear Control, 2019, 29, 6522-6541.	2.1	6
64	Low-order diving integrated guidance and control for hypersonic vehicles. Aerospace Science and Technology, 2019, 91, 96-109.	2.5	11
65	Integrated Guidance and Control for Hypersonic Morphing Missile Based on Variable Span Auxiliary Control. International Journal of Aerospace Engineering, 2019, 2019, 1-20.	0.5	18
66	Integrated Guidance and Control of Interceptor Missile Based on Asymmetric Barrier Lyapunov Function. International Journal of Aerospace Engineering, 2019, 2019, 1-17.	0.5	3
67	Integrated guidance and control with partial state constraints and actuator faults. Journal of the Franklin Institute, 2019, 356, 4785-4810.	1.9	9
68	Integrated guidance and control of interceptors with impact angle constraint against a high-speed maneuvering target. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 5192-5204.	0.7	13
69	Sliding Mode Control for Integrated Missile Guidance and Control System. , 2019, , .		2
70	Integrated Guidance and Control Design of Rolling-Guided Projectile Based on Adaptive Fuzzy Control with Multiple Constraints. Mathematical Problems in Engineering, 2019, 2019, 1-17.	0.6	4
71	A Robust Integrated Guidance and Control Approach for the Missile with Swing Nozzle. , 2019, , .		1
72	Barrier Lyapunov function-based integrated guidance and control with input saturation and state constraints. Aerospace Science and Technology, 2019, 84, 845-855.	2.5	35

#	Article	IF	CITATIONS
73	Integrated strapdown missile guidance and control based on neural network disturbance observer. Aerospace Science and Technology, 2019, 84, 170-181.	2.5	53
74	Design of adaptive backstepping dynamic surface control method with RBF neural network for uncertain nonlinear system. Neurocomputing, 2019, 330, 490-503.	3 . 5	79
75	Efficient information-based cooperative guidance law of multi-missiles. Transactions of the Institute of Measurement and Control, 2019, 41, 2651-2665.	1.1	5
76	Active disturbance rejection guidance and control scheme for homing missiles with impact angle constraints. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 1133-1146.	0.7	3
77	Reconfigurable fault-tolerant control for supersonic missiles with actuator failures under actuation redundancy. Chinese Journal of Aeronautics, 2020, 33, 324-338.	2.8	4
78	Finite-time composite guidance law with input constraint and dynamics compensation. Chinese Journal of Aeronautics, 2020, 33, 664-671.	2.8	9
79	Three-dimensional integrated guidance and control for strap-down missiles considering seeker's field-of-view angle constraint. Transactions of the Institute of Measurement and Control, 2020, 42, 1097-1109.	1.1	13
80	Multi-constraints adaptive finite-time integrated guidance and control design. Aerospace Science and Technology, 2020, 107, 106334.	2.5	19
81	A Small-Gain Approach for Three-Dimensional Integrated Guidance and Control in Pursuit-Evasion Games. , 2020, , .		0
82	The Allocation Control of Lateral Jet System of Flight Vehicle Based on Integrated Guidance and Control Model. , 2020, , .		0
83	Blended Methodology of Lateral Jet Simultaneous with Aerodynamic Fin for Integrated Guidance and Control of Flight Vehicle*., 2020, , .		0
84	Finite-time integrated guidance and control system for hypersonic vehicles. Transactions of the Institute of Measurement and Control, 2021, 43, 842-853.	1.1	6
85	Adaptive robust dynamic surface control for uncertain strictâ€feedback nonlinear systems using fuzzy logic systems. Asian Journal of Control, 2021, 23, 761-773.	1.9	8
86	Integral barrier Lyapunov functions-based integrated guidance and control design for strap-down missile with field-of-view constraint. Transactions of the Institute of Measurement and Control, 2021, 43, 1464-1477.	1.1	7
87	L1 Adaptive integrated guidance and control for flexible hypersonic flight vehicle in the presence of dynamic uncertainties. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 1521-1531.	0.7	5
88	Adaptive robust dynamic surface asymptotic tracking for uncertain strict-feedback nonlinear systems with unknown control direction. ISA Transactions, 2022, 121, 95-104.	3.1	13
89	Command filter based event-triggered adaptive control for strict-feedback nonlinear systems with full state constraints. , 2021 , , .		0
90	Integral barrier Lyapunov function-based three-dimensional low-order integrated guidance and control design with seeker's field-of-view constraint. Aerospace Science and Technology, 2021, 116, 106886.	2.5	8

#	Article	IF	CITATIONS
91	Robust extended state observer-based three dimensional integrated guidance and control design for interceptors with impact angle and input saturation constraints. ISA Transactions, 2020, 104, 299-309.	3.1	30
92	Guidance Law for Near Space Interceptor based on Block Backstepping Sliding Mode and Extended State Observer. International Journal of Aeronautical and Space Sciences, 2014, 15, 163-172.	1.0	7
93	Integrated Guidance and Control Design for the Near Space Interceptor. International Journal of Aeronautical and Space Sciences, 2015, 16, 278-294.	1.0	5
94	Design and Verification of Attitude Control System for a Boost-Glide Rocket. IEEE Access, 2021, 9, 136360-136372.	2.6	1
95	A Novel Partial Integrated Guidance and Control Scheme Based on Three Dimensional Relative Dynamics., 2021,,.		0
96	Integrated guidance and control for damping augmented system via convex optimization. Chinese Journal of Aeronautics, 2022, 35, 30-39.	2.8	1
97	Intelligent Control for Integrated Guidance and Control based on Intelligent Characteristic Model. Intelligent Automation and Soft Computing, 2018, 24, 623-632.	1.6	1
98	Research on Indirect Location Technology of Ground Target Based on Scene Matching. Lecture Notes in Computer Science, 2018, , 90-104.	1.0	0
99	Integrated Guidance and Control of Multiple Interceptors with Impact Angle Constraints Considered. Xibei Gongye Daxue Xuebao/Journal of Northwestern Polytechnical University, 2019, 37, 273-282.	0.3	3
100	Improved Performance of a Bank-to-turn Missile Using Quantitative Feedback Theory Based Robust Controller. , 2020, , .		0
101	Integrated Guidance and Control Using Adaptive Backstepping Approach for Maneuvering Target Interception. IFAC-PapersOnLine, 2020, 53, 9458-9464.	0.5	2
102	Missile guidance with assisted deep reinforcement learning for head-on interception of maneuvering target. Complex & Intelligent Systems, 2022, 8, 1205-1216.	4.0	9
103	Fixed time integrated guidance and control with impact angle constraint. , 2020, , .		0
104	Intelligent Guidance and Control Methods for Missile Swarm. Computational Intelligence and Neuroscience, 2022, 2022, 1-9.	1.1	6
105	Three-dimensional low-order finite-time integrated guidance and control design with side-window constraint. Aerospace Science and Technology, 2022, 121, 107355.	2.5	5
106	Impact Angle Constrained Integrated Guidance and Control for a Dual-controlled Interceptor. , 2021, , .		2
107	Robust Integrated Guidance and Control Design for Angle Penetration Attack of Multimissiles. International Journal of Aerospace Engineering, 2022, 2022, 1-15.	0.5	0
108	GPU-Accelerated PD-IPM for Real-Time Model Predictive Control in Integrated Missile Guidance and Control Systems. Sensors, 2022, 22, 4512.	2.1	6

#	Article	IF	CITATIONS
109	Three-dimensional integrated guidance and control with input saturation and impact angle constraints. Aerospace Science and Technology, 2022, 127, 107727.	2.5	5
110	Prescribed-Time Asymptotic Tracking Control of Strict Feedback Systems With Time-Varying Parameters and Unknown Control Direction. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 5259-5272.	3.5	11
111	Fixed-time Integrated Guidance and Control with Impact Angle Constraint. , 2022, , .		0
112	A New Sliding Mode Control Algorithm of IGC System for Intercepting Great Maneuvering Target Based on EDO. Sensors, 2022, 22, 7618.	2.1	2
113	Chattering-free discrete-time sliding mode control for integrated missile guidance and control system. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002211312.	0.7	0
114	Adaptive NN control of integrated guidance and control systems based on disturbance observer. Journal of the Franklin Institute, 2023, 360, 65-86.	1.9	3
115	Neural learning control of missile interception against dynamics uncertainty and target evasive maneuver. International Journal of Robust and Nonlinear Control, 2023, 33, 1456-1478.	2.1	1
116	High-Precision Aircraft Guidance System with Axial Acceleration Self-Tuning. Herald of the Bauman Moscow State Technical University Series Mechanical Engineering, 2022, , 60-76.	0.1	1
117	Multiple Constraints-Based Adaptive Three-Dimensional Back-Stepping Sliding Mode Guidance Law against a Maneuvering Target. Aerospace, 2022, 9, 796.	1.1	2
118	Integrated guidance and control of hypersonic flight vehicle with coordinated mission requirement and input constraint. International Journal of Robust and Nonlinear Control, 0, , .	2.1	0
119	Integrated Guidance and Control Design for Orbit Injection Phase of Launch Vehicle. Lecture Notes in Electrical Engineering, 2023, , 4357-4365.	0.3	0
120	Impact angle controlled integrated guidance and control with input and state constraints. International Journal of Control, 2024, 97, 796-810.	1.2	0
121	Time-Varying Sliding Mode-Based Integrated Guidance andÂControl Design. Lecture Notes in Electrical Engineering, 2023, , 1258-1269.	0.3	0
122	Research of Adaptive Attitude Control Method Considering Disturbance Compensation and Fuzzy Parameter Adjustment. , 2022, , .		0
123	Observer-Based Finite-Time Sliding-Mode Control of Robotic Manipulator with Flexible Joint Using Partial States. International Journal of Intelligent Systems, 2023, 2023, 1-12.	3.3	0
126	A ballistic optimization method with field-of-view angle constraint and impact angle constraint. , 2023, , .		0
131	An Improved Nonlinear Observer-Based Integrated Guidance and Control for Hypersonic Flight Vehicle with Angle Constraints. , 2023, , .		0
132	Integrated Guidance and Control Design of Wide-Area Hypersonic Vehicle Based on Dynamic Inversion. Lecture Notes in Mechanical Engineering, 2024, , 372-381.	0.3	0

Article IF Citations