Terminal guidance laws of missile based on ISMC and N

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Guidance laws based on Lyapunov theory and DOB for three-dimensional missile-target interception. , 2014, , .		1
2	Integrated guidance and control with terminal angle constraint. , 2014, , .		2
3	Design of guidance law based on nonsingular terminal sliding mode control and finite-time disturbance observer*. , 2014, , .		1
4	Impact angle constrained terminal guidance based on dynamic output feedback with guaranteed convergence speed. , 2014, , .		0
5	A Nonsingular Terminal Sliding Mode Approach Using Adaptive Disturbance Observer for Finite-Time Trajectory Tracking of MEMS Triaxial Vibratory Gyroscope. Mathematical Problems in Engineering, 2015, 2015, 1-8.	0.6	4
6	Neural-network-based composite disturbance rejection control for a distillation column. Transactions of the Institute of Measurement and Control, 2015, 37, 1146-1158.	1.1	5
7	Design of three-dimensional nonlinear guidance law with bounded acceleration command. Aerospace Science and Technology, 2015, 46, 168-175.	2.5	19
8	Back-stepping active disturbance rejection control design for integrated missile guidance and control system via reduced-order ESO. ISA Transactions, 2015, 57, 10-22.	3.1	156
9	Distributed cooperative guidance of multiple anti-ship missiles with arbitrary impact angle constraint. Aerospace Science and Technology, 2015, 46, 299-311.	2.5	85
10	Integrated guidance and control design for guided bomb with terminal angle constraint. , 2015, , .		4
11	Sliding mode-based intercept guidance with uncertainty and disturbance compensation. Journal of the Franklin Institute, 2015, 352, 5145-5172.	1.9	30
12	Adaptive nonsingular terminal sliding mode guidance law against maneuvering targets with impact angle constraint. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 867-890.	0.7	22
13	Impact-Time-Control Guidance Law for Missile with Time-Varying Velocity. Mathematical Problems in Engineering, 2016, 2016, 1-14.	0.6	12
14	Output-feedback based partial integrated missile guidance and control law design. Journal of Systems Engineering and Electronics, 2016, 27, 1238-1248.	1.1	4
15	A nonsingular SMC-based guidance law for an accelerating exoatmospheric missile. , 2016, , .		0
16	Three-Dimensional Impact Angle Guidance Laws Based on Model Predictive Control and Sliding Mode Disturbance Observer. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2016, 138, .	0.9	21
17	Optimal integral sliding mode guidance law based on generalized model predictive control. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2016, 230, 610-621.	0.7	11
18	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

	C	ITATION REPORT	
#	ARTICLE Missile guidance law with impact angle constraint and acceleration saturation. , 2016, , .	IF	CITATIONS 2
19	Missile guidance law with impact angle constraint and acceleration saturation. , 2010, , .		2
20	Three-dimensional multivariable integrated guidance and control design for maneuvering targets interception. Journal of the Franklin Institute, 2016, 353, 4330-4350.	1.9	27
21	Disturbance Rejection Flight Control for Small Fixed-Wing Unmanned Aerial Vehicles. Journal of Guidance, Control, and Dynamics, 2016, 39, 2810-2819.	1.6	54
22	On an Optimized Fuzzy Supervized Multiphase Guidance Law. Asian Journal of Control, 2016, 18, 2010-2017.	1.9	9
23	Sliding mode control based impact angle control guidance considering the seeker× ³ s field-of-view constraint. ISA Transactions, 2016, 61, 49-59.	3.1	55
24	Observer-based guidance law against maneuvering targets without line-of-sight angular rate information. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 1827-1839.	0.7	10
25	Three-dimensional guidance law based on adaptive integral sliding mode control. Chinese Journal of Aeronautics, 2016, 29, 202-214.	2.8	56
26	Analytical impact time and angle guidance via time-varying sliding mode technique. ISA Transactions, 2016, 62, 164-176.	, 3.1	35
27	Guidance laws based on model predictive control and target manoeuvre estimator. Transactions of the Institute of Measurement and Control, 2016, 38, 1509-1519.	1.1	14
28	Finite-time guidance laws for three-dimensional missile-target interception. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 392-403.	0.7	24
29	Adaptive backstepping impact angle control with autopilot dynamics and acceleration saturation consideration. International Journal of Robust and Nonlinear Control, 2017, 27, 3777-3793.	2.1	19
30	Discrete‶ime Super‶wisting Guidance Law with Actuator Faults Consideration. Asian Journal of Control, 2017, 19, 1854-1861.	1.9	9
31	Design of sliding mode guidance law with dynamic delay and impact angle constraint. International Journal of Control, Automation and Systems, 2017, 15, 239-247.	1.6	13
32	Adaptive reaching law based three-dimensional finite-time guidance law against maneuvering targets with input saturation. Aerospace Science and Technology, 2017, 70, 198-210.	2.5	40
33	Adaptive Backstepping Impact Angle Guidance Law Accounting for Autopilot Lag. Journal of Aerospace Engineering, 2017, 30, .	ce 0.8	6
34	NDOB-based three-dimensional guidance law with fast and finite-time convergence. , 2017, , .		2
35	Finite-time consensus control for a group of quadrotor aircraft. , 2017, , .		2
36	Disturbance observer based reliable H â^ž fuzzy attitude tracking control for Mars entry vehicles with actuator failures. Aerospace Science and Technology, 2018, 77, 92-104.	2.5	22

#	Article	IF	CITATIONS
37	Reentry guidance with constrained impact for hypersonic weapon by novel particle swarm optimization. Aerospace Science and Technology, 2018, 78, 205-213.	2.5	27
38	An active disturbance rejection control guidance law based collision avoidance for unmanned aerial vehicles. Aerospace Science and Technology, 2018, 77, 658-669.	2.5	27
39	Three-Dimensional Diving Guidance for Hypersonic Gliding Vehicle via Integrated Design of FTNDO and AMSTSMC. IEEE Transactions on Industrial Electronics, 2018, 65, 2704-2715.	5.2	25
40	Design of Three-Dimensional Guidance Law for Tactical Missiles. , 2018, , .		3
41	New Design Methodology for Impact Angle Control Guidance for Various Missile and Target Motions. IEEE Transactions on Control Systems Technology, 2018, 26, 2190-2197.	3.2	33
42	Fixed-Time Cooperative Guidance Law for Multiple Missiles Against Maneuvering Target. , 2018, , .		4
43	Composite Finite-time Guidance Law for Homing Missile. , 2018, , .		1
44	Finite-time sliding mode based terminal area guidance with multiple constraints. , 2018, , .		5
45	Adaptive Fuzzy Sliding Mode Guidance Law considering Available Acceleration and Autopilot Dynamics. International Journal of Aerospace Engineering, 2018, 2018, 1-10.	0.5	8
46	A Backstepping-Based Guidance Law for an Exoatmospheric Missile With Impact Angle Constraint. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 547-561.	2.6	11
47	Impact-angle-constrained reentry guidance law guaranteeing convergence before attainment of desired line-of-sight range. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 2783-2791.	0.7	0
48	Nonlinear reentry guidance law guaranteeing convergence before attainment of desired line-of-sight range. Aerospace Science and Technology, 2019, 92, 579-587.	2.5	1
49	A Novel Integral Sliding Mode-Type Continuous Guidance Law With Autopilot Lag for Intercepting Non-Cooperative Maneuvering Targets. IEEE Access, 2019, 7, 126571-126581.	2.6	7
50	Output feedback continuous terminal sliding mode guidance law for missile-target interception with autopilot dynamics. Aerospace Science and Technology, 2019, 86, 256-267.	2.5	47
51	Three-dimensional suboptimal guidance law based on <i>Î,</i> – <i>D</i> technique and nonlinear disturbance observer. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 5122-5133.	0.7	4
52	Trajectory-following guidance based on a virtual target and an angle constraint. Aerospace Science and Technology, 2019, 87, 448-458.	2.5	20
53	Nonlinear mapping based impact angle control guidance with seeker's field-of-view constraint. Aerospace Science and Technology, 2019, 86, 724-736.	2.5	45
54	Sliding-Mode-Based Disturbance-Compensated Rendezvous Guidance with Reaching Mode Consideration. , 2019, , .		0

CITATION REPORT

CITATION REPORT

#	Article	IF	CITATIONS
55	Profile-Tracking-Based Adaptive Guidance Law against Maneuvering Targets. International Journal of Aerospace Engineering, 2019, 2019, 1-17.	0.5	2
56	SDRE Optimal Sliding Mode Guidance Law Design with Attack Angle Constraint. , 2019, , .		1
57	A new continuous adaptive finite time guidance law against highly maneuvering targets. Aerospace Science and Technology, 2019, 85, 40-47.	2.5	32
58	A novel approximate finite-time convergent guidance law with actuator fault. Cluster Computing, 2019, 22, 10095-10107.	3.5	4
59	Composite Finiteâ€time Convergent Guidance Law for Maneuvering Targets with Secondâ€order Autopilot Lag. Asian Journal of Control, 2020, 22, 556-569.	1.9	4
60	Fast fixed-time convergent smooth adaptive guidance law with terminal angle constraint for interception of maneuvering targets. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Aerospace Engineering, 2021, 235, 1737-1750.	0.7	3
61	A novel adaptive three-dimensional finite-time guidance law with terminal angle constraints for interception of maneuvering targets. International Journal of Control, 2022, 95, 1590-1599.	1.2	8
62	Three-dimensional impact angle control guidance with field-of-view constraint. Aerospace Science and Technology, 2020, 105, 106014.	2.5	27
63	Three-Dimensional Geometric Descent Guidance With Impact Angle Constraint. IEEE Access, 2020, 8, 64932-64948.	2.6	1
64	Design, implementation, and verification of a lowâ€cost terminal guidance system for small fixedâ€wing UAVs. Journal of Field Robotics, 2021, 38, 801-827.	3.2	2
65	Composite prescribed performance control of small unmanned aerial vehicles using modified nonlinear disturbance observer. ISA Transactions, 2021, 116, 30-45.	3.1	28
66	Three-dimensional time-varying sliding mode guidance law against maneuvering targets with terminal angle constraint. Chinese Journal of Aeronautics, 2022, 35, 303-319.	2.8	17
67	Fractional-order sliding mode control based guidance law with impact angle constraint. Nonlinear Dynamics, 2021, 106, 425-444.	2.7	18
68	Three-dimensional terminal angle constraint finite-time dual-layer guidance law with autopilot dynamics. Aerospace Science and Technology, 2021, 116, 106818.	2.5	20
69	Design and Implementation of a Fast Sliding-Mode Speed Controller With Disturbance Compensation for SPMSM System. IEEE Transactions on Transportation Electrification, 2021, 7, 2611-2622.	5.3	44
70	Distributed Finite-Time Integral Sliding-Mode Control for Multi-Agent Systems with Multiple Disturbances Based on Nonlinear Disturbance Observers. Journal of Systems Science and Complexity, 2021, 34, 995-1013.	1.6	27
71	An integral sliding mode fault tolerant control for a class of nonâ€linear Lipschitz systems. IET Control Theory and Applications, 2021, 15, 390-403.	1.2	6
72	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

CITATION REPORT

#	Article	IF	CITATIONS
73	A New Composite Proportional Navigation Entry Guidance Strategy for Glider Under Multiple Uncertainties. , 2018, , .		0
74	A novel guidance law using integral terminal sliding mode with impact angle constraint. , 2019, , .		1
75	An Adaptive RISE-Based Guidance Method with Impact Angle Constraint. Lecture Notes in Electrical Engineering, 2022, , 2739-2749.	0.3	0
76	Research on the Time-Cooperative Guidance Against Stationary Target. Lecture Notes in Electrical Engineering, 2022, , 593-603.	0.3	0
78	A nonlinear disturbance observer-based adaptive integral sliding mode control for missile guidance system. International Journal of General Systems, 0, , 1-20.	1.2	2
79	Terminal Impact Angle Control Guidance Law Considering Target Observability. Aerospace, 2022, 9, 193.	1.1	2
80	Terminal angle constrained timeâ€varying sliding mode guidance law with autopilot dynamics and input saturation. Asian Journal of Control, 2023, 25, 1130-1144.	1.9	4
81	A Modified Adaptive-gain Super-twisting Sliding Mode Guidance with Impact Angle Constraint [*] ., 2022, , .		0
82	Second-Order Sliding Mode Guidance Law of a Nonsingular Fast Terminal with a Terminal Angular Constraint. International Journal of Aeronautical and Space Sciences, 0, , .	1.0	0
83	Closed-Form Nonlinear Impact Angle Guidance using State-Dependent Riccati Equation Approach. , 2022, , .		1
84	Automatic terminal guidance for small fixedâ€wing unmanned aerial vehicles. Journal of Field Robotics, 2023, 40, 3-29.	3.2	0
85	Terminal angle constraint finite-time guidance law with input saturation and autopilot dynamics. Journal of the Franklin Institute, 2022, , .	1.9	2
86	Composite Terminal Guidance Law for Supercavitating Torpedoes with Impact Angle Constraints. Mathematical Problems in Engineering, 2022, 2022, 1-16.	0.6	5
87	Design of Three-Dimensional Intelligent Guidance Law for Intercepting Highly Maneuvering Target. IEEE Access, 2023, 11, 14274-14281.	2.6	1
88	Three-Dimensional Sliding Mode Guidance Law with All-Aspect Attack Capability. , 2022, , .		0

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