

Wenbin Yu

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

305
citations

840776

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888059

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29
all docs

29
docs citations

29
times ranked

86
citing authors

#	ARTICLE	IF	CITATIONS
1	Entry guidance with real-time planning of reference based on analytical solutions. <i>Advances in Space Research</i> , 2015, 55, 2325-2345.	2.6	54
2	Guidance Scheme for Glide Range Maximization of a Hypersonic Vehicle. , 2011, , .		32
3	Analytical entry guidance for coordinated flight with multiple no-fly-zone constraints. <i>Aerospace Science and Technology</i> , 2019, 84, 273-290.	4.8	32
4	Guidance law with circular no-fly zone constraint. <i>Nonlinear Dynamics</i> , 2014, 78, 1953-1971.	5.2	24
5	Entry guidance for high-L/D hypersonic vehicle based on drag-vs-energy profile. <i>ISA Transactions</i> , 2018, 83, 176-188.	5.7	21
6	Analytical entry guidance for no-fly-zone avoidance. <i>Aerospace Science and Technology</i> , 2018, 72, 426-442.	4.8	18
7	Analytical entry guidance based on pseudo-aerodynamic profiles. <i>Aerospace Science and Technology</i> , 2017, 66, 315-331.	4.8	17
8	Trajectory-Shaping Guidance with final speed and load factor constraints. <i>ISA Transactions</i> , 2015, 56, 42-52.	5.7	15
9	Omnidirectional autonomous entry guidance based on 3-D analytical glide formulas. <i>ISA Transactions</i> , 2016, 65, 487-503.	5.7	12
10	Analytical cooperative entry guidance for Rendezvous and formation flight. <i>Acta Astronautica</i> , 2020, 171, 118-138.	3.2	12
11	Analytical solutions to three-dimensional hypersonic gliding trajectory over rotating Earth. <i>Acta Astronautica</i> , 2021, 179, 702-716.	3.2	12
12	High-Accuracy Approximate Solutions for Hypersonic Gliding Trajectory With Large Lateral Maneuvering Range. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021, 57, 1498-1512.	4.7	11
13	Optimal terminal guidance for exoatmospheric interception. <i>Chinese Journal of Aeronautics</i> , 2016, 29, 1052-1064.	5.3	9
14	Analytical Solutions to Aeroassisted Orbital Transfer Problem. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020, 56, 3502-3515.	4.7	7
15	Entry Guidance Based on Analytical Trajectory Solutions. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2022, 58, 2438-2466.	4.7	7
16	Analytical solutions for longitudinal-plane motion of hypersonic skip-glide trajectory. <i>Nonlinear Dynamics</i> , 2019, 96, 1947-1969.	5.2	6
17	Analytical trajectory prediction for near-first-cosmic-velocity atmospheric gliding using a perturbation method. <i>Acta Astronautica</i> , 2021, 187, 79-88.	3.2	6
18	Guidance algorithm for impact time, angle, and acceleration control under varying velocity condition. <i>Aerospace Science and Technology</i> , 2022, 123, 107462.	4.8	3

#	ARTICLE	IF	CITATIONS
19	Optimal perturbation guidance with constraints on terminal flight-path angle and angle of attack. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 4436-4446.	1.3	2
20	Analytical trajectory solutions for atmospheric pull-up phase of interplanetary return flight. Acta Astronautica, 2022, 193, 311-323.	3.2	2
21	Impact-Angle and Terminal-Maneuvering-Acceleration Constrained Guidance against Maneuvering Target. Aerospace, 2022, 9, 22.	2.2	2
22	Autonomous Entry Guidance based on 3-D Gliding Trajectory Analytical Solution. , 2019, , .		1
23	Sub-optimal ground-strike guidance based on perturbation method. , 2016, , .		0
24	Omnidirectional Autonomous Reentry Guidance Based on 3-D Analytical Glide Formulae Considering Influence of Earth's Rotation. , 2021, , 277-321.		0
25	Analytical Steady-Gliding Guidance Employing Pseudo-Aerodynamic Profiles. , 2021, , 323-364.		0
26	Linear Pseudospectral Reentry Guidance with Adaptive Flight Phase Segmentation and Eliminating General Nominal Effort Miss Distance. , 2021, , 389-432.		0
27	Trajectory-shaping Guidance with Final Speed and Load Factor Constraints. , 2021, , 433-461.		0
28	Concept of Steady Glide Reentry Trajectory and Stability of Its Regular Perturbation Solutions. , 2021, , 125-148.		0