Liang Yang

List of Publications by Year
in descending order

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24	216	1163117 8	996975 15
papers	citations	h-index	g-index

26	26	26	109
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of linear gauss pseudospectral method in model predictive control. Acta Astronautica, 2014, 96, 175-187.	3.2	40
2	Autonomous entry guidance using Linear Pseudospectral Model Predictive Control. Aerospace Science and Technology, 2018, 80, 38-55.	4.8	33
3	Conjugate gradient method with pseudospectral collocation scheme for optimal rocket landing guidance. Aerospace Science and Technology, 2020, 104, 105999.	4.8	21
4	Steady Glide Dynamic Modeling and Trajectory Optimization for High Lift-to-Drag Ratio Reentry Vehicle. International Journal of Aerospace Engineering, 2016, 2016, 1-14.	0.9	19
5	Robust entry guidance using multi-segment linear pseudospectral model predictive control. Journal of Systems Engineering and Electronics, 2017, 28, 103-125.	2.2	19
6	Bounds for integration matrices that arise in Gauss and Radau collocation. Computational Optimization and Applications, 2019, 74, 259-273.	1.6	12
7	Optimal terminal guidance for exoatmospheric interception. Chinese Journal of Aeronautics, 2016, 29, 1052-1064.	5.3	9
8	Multistage Linear Gauss Pseudospectral Method for Piecewise Continuous Nonlinear Optimal Control Problems. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 2298-2310.	4.7	9
9	Entry Guidance With No-Fly Zone Avoidance Using Linear Pseudospectral Model Predictive Control. IEEE Access, 2019, 7, 98589-98602.	4.2	8
10	Pseudospectral Model Predictive Control for Exo-atmospheric Guidance. International Journal of Aeronautical and Space Sciences, 2015, 16, 64-76.	2.0	8
11	Optimal Guidance Law with Impact-Angle Constraint and Acceleration Limit for Exo-Atmospheric Interception. Aerospace, 2021, 8, 358.	2.2	8
12	Optimal midcourse guidance law for the exo-atmospheric interceptor with solid-propellant booster. Aerospace Science and Technology, 2022, 127, 107670.	4.8	7
13	Optimal Midcourse Guidance Algorithm for Exoatmospheric Interception Using Analytical Gradients. International Journal of Aerospace Engineering, 2019, 2019, 1-17.	0.9	6
14	Gradient method using pseudospectral collocation scheme for two-stage optimal control with an unspecified switching time. International Journal of Control, 2021, 94, 1201-1216.	1.9	6
15	Suboptimal Impact-Angle-Constrained Guidance Law Using Linear Pseudospectral Model Predictive Spread Control. IEEE Access, 2020, 8, 102040-102050.	4.2	5
16	Gradient Method for Solving Multisystem Integrated Optimal Control Problem With Undetermined Terminal Time. IEEE Systems Journal, 2021, 15, 1917-1928.	4.6	2
17	Successive Chebyshev pseudospectral convex optimization method for nonlinear optimal control problems. International Journal of Robust and Nonlinear Control, 0, , .	3.7	2
18	Endoatmospheric Ascent Optimal Guidance with Analytical Nonlinear Trajectory Prediction. International Journal of Aerospace Engineering, 2022, 2022, 1-26.	0.9	2

#	Article	IF	Citations
19	An Intercept Guidance Law with Impact-Angle-Constrained Based on Linear Gauss Pseudospectral Model Predictive Control. , 2019, , .		0
20	Optimal Terrain Following Trajectory Regeneration Using Linear Gauss Pseudo-Spectral Method. , 2019, , .		0
21	Cooperative Optimal Guidance Law with Simultaneous Attack and Impact Angle Constraint Using Linear Pseudospectral Model Predictive Control. , 2021, , .		0
22	Linear Pseudospectral Reentry Guidance with Adaptive Flight Phase Segmentation and Eliminating General Nominal Effort Miss Distance. , 2021, , 389-432.		0
23	Trajectory-shaping Guidance with Final Speed and Load Factor Constraints. , 2021, , 433-461.		0
24	Indirect Approach to the Optimal Glide Trajectory Problem. , 2021, , 65-101.		0