Hongbo Zhang

List of Publications by Year
in descending order

30	139	1307594	1281871
papers	citations	7	11
		h-index	g-index

30	30	30	90
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Planning of refracted starlight observation based on observability analysis. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 1348-1360.	1.3	1
2	A Fast Algorithm for Determining the Optimal Navigation Star for Responsive Launch Vehicles. International Journal of Aerospace Engineering, 2022, 2022, 1-15.	0.9	0
3	Ascent Guidance Based on Onboard Trajectory Regeneration for Vehicles With a Combined Cycle Engine. IEEE Access, 2021, 9, 149302-149310.	4.2	1
4	A self-tuning guidance method based on an onboard update of pseudospectral trajectories. , 2021, , .		0
5	A Convex Programming Method for Rocket Powered Landing With Angle of Attack Constraint. IEEE Access, 2020, 8, 100485-100496.	4.2	5
6	An Interacting-Multiple-Model Method for Tracking a Hypersonic Glide Target. , 2020, , .		0
7	Adaptive Backstepping Control for Spacecraft Hovering with Input Saturation and Parameter Uncertainties. , 2019, , .		0
8	Profile-Tracking-Based Adaptive Guidance Law against Maneuvering Targets. International Journal of Aerospace Engineering, 2019, 2019, 1-17.	0.9	2
9	Absolute orbit determination using line-of-sight vector measurements between formation flying spacecraft. Astrophysics and Space Science, 2018, 363, 1.	1.4	11
10	Observability-based Mars Autonomous Navigation Using Formation Flying Spacecraft. Journal of Navigation, 2018, 71, 21-43.	1.7	8
11	Sliding-mode-control-based Differential Geometric Guidance Law using Mild Sliding Manifolds. , 2018, , .		1
12	Mars final approach navigation using ground beacons and orbiters: An information propagation perspective. Acta Astronautica, 2017, 138, 490-500.	3.2	12
13	Radar tracking for hypersonic glide vehicle based on aerodynamic model. , 2017, , .		4
14	An improved footprint generation method for entry vehicles. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2017, 231, 1951-1956.	1.3	6
15	Flight-Corridor Analysis for Hypersonic Glide Vehicles. Journal of Aerospace Engineering, 2017, 30, .	1.4	11
16	Extended differential geometric guidance law with extended state observer. , 2017, , .		1
17	Entry guidance based on dynamic pressure profile. , 2017, , .		1
18	Autonomous land beacon selection for spacecraft navigation around Mars. , 2017, , .		1

#	Article	IF	Citations
19	Autonomous orbit determination and observability analysis for formation satellites. , 2016, , .		4
20	Terminal guidance and control for kinetic kill vehicle adopting side window detection. , 2016, , .		0
21	Maneuver modes analysis for hypersonic glide vehicles. , 2014, , .		7
22	Adaptive sliding-mode guidance for terminal phase of approaching observation. , 2013, , .		0
23	Effects of dielectric discontinuity on the dispersion characteristics of the tape helix slow-wave structure with two metal shields. Laser and Particle Beams, 2012, 30, 329-339.	1.0	7
24	Stellar/inertial integrated guidance for responsive launch vehicles. Aerospace Science and Technology, 2012, 18, 35-41.	4.8	16
25	A Way for High-Voltage $\mu\mbox{s}$ -Range Square Pulse Generation. IEEE Transactions on Plasma Science, 2011, 39, 1125-1130.	1.3	4
26	Effects of dielectric discontinuity on the dispersion characteristics of the tape helix slow-wave structure with two metal shields. Laser and Particle Beams, 2011, 29, 459-469.	1.0	12
27	Output Characteristics of a Kind of High-Voltage Pulse Transformer With Closed Magnetic Core. IEEE Transactions on Plasma Science, 2010, 38, 1019-1027.	1.3	20
28	Attitude control of low-orbit micro-satellite with active magnetic torque and aerodynamic torque. , 2010, , .		1
29	Investigation on single-star stellar-inertial guidance principle using equivalent information compression theory. Science in China Series D: Earth Sciences, 2009, 52, 2924-2929.	0.9	3
30	A fast matrix generation method for solving entry trajectory optimization problems under the pseudospectral method. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002110662.	1.3	0