

Kai Chen

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

123
citations

1684188

5
h-index

1474206

9
g-index

21
all docs

21
docs citations

21
times ranked

73
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypersonic boost-glide vehicle strapdown inertial navigation system / global positioning system algorithm in a launch-centered earth-fixed frame. <i>Aerospace Science and Technology</i> , 2020, 98, 105679.	4.8	25
2	Motion Trajectory Planning of Space Manipulator for Joint Jerk Minimization. , 2007, , .		24
3	Optimal Path Planning for Minimizing Disturbance of Space Robot. , 2006, , .		21
4	Simulation Platform for SINS/GPS Integrated Navigation System of Hypersonic Vehicles Based on Flight Mechanics. <i>Sensors</i> , 2020, 20, 5418.	3.8	9
5	A Chebyshev-Gauss Pseudospectral Method for Solving Optimal Control Problems. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2015, 41, 1778-1787.	1.5	7
6	Comparison of geomagnetic aided navigation algorithms for hypersonic vehicles. <i>Journal of Zhejiang University: Science A</i> , 2020, 21, 673-683.	2.4	6
7	Tightly Coupled Integrated Navigation Algorithm for Hypersonic Boost-Glide Vehicles in the LCEF Frame. <i>Aerospace</i> , 2021, 8, 124.	2.2	6
8	Strapdown Inertial Navigation Algorithm for Hypersonic Boost-Glide Vehicle. , 2017, , .		5
9	Multi-geomagnetic-component assisted localization algorithm for hypersonic vehicles. <i>Journal of Zhejiang University: Science A</i> , 2021, 22, 357-368.	2.4	5
10	SINS/BDS tightly coupled integrated navigation algorithm for hypersonic vehicle. <i>Scientific Reports</i> , 2022, 12, 6144.	3.3	4
11	SINS/BDS Integrated Navigation for Hypersonic Boost-Glide Vehicles in the Launch-Centered Inertial Frame. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-16.	1.1	3
12	Study on UKF based federal integrated navigation for high dynamic aviation. , 2011, , .		2
13	Normal gravity model for inertial navigation of a hypersonic boost-glide vehicle. <i>Journal of Zhejiang University: Science A</i> , 2022, 23, 55-67.	2.4	2
14	Motion Trajectory Generation of Slave Arm of Dual-Arm Space Robot for Eliminating Disturbance. , 2007, , .		1
15	Equivalent Approaches to Equations of Traditional Transfer Alignment and Rapid Transfer Alignment. , 2008, , .		1
16	Transfer alignment for experiment's INS on space moving platform. , 2009, , .		1
17	Thermally Induced Bias Drift Integrated Compensation for the IFOG Strapdown Inertial Navigation System. <i>Transactions of the Japan Society for Aeronautical and Space Sciences</i> , 2014, 57, 219-224.	0.7	1
18	Real-time planning for hypersonic vehicle in the case of a very small memory. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
19	Trajectory Generator of SINS Based on Flight Mechanics and Control in Simulink. , 2018, , .		0
20	SINS/GPS Integrated Navigation Algorithm for Supersonic Aerial Targets in the LCEF Frame. Lecture Notes in Electrical Engineering, 2022, , 315-328.	0.4	0
21	Selection and Analysis of Observation Modes of Upper-Stage Autonomous Orbit Determination. Lecture Notes in Electrical Engineering, 2022, , 3101-3112.	0.4	0