

# Kai Chen

## List of Publications by Year in descending order

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21  
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times ranked

73  
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#	ARTICLE	IF	CITATIONS
1	SINS/GPS Integrated Navigation Algorithm for Supersonic Aerial Targets in the LCEF Frame. Lecture Notes in Electrical Engineering, 2022, , 315-328.	0.4	0
2	Selection and Analysis of Observation Modes of Upper-Stage Autonomous Orbit Determination. Lecture Notes in Electrical Engineering, 2022, , 3101-3112.	0.4	0
3	Normal gravity model for inertial navigation of a hypersonic boost-glide vehicle. Journal of Zhejiang University: Science A, 2022, 23, 55-67.	2.4	2
4	SINS/BDS tightly coupled integrated navigation algorithm for hypersonic vehicle. Scientific Reports, 2022, 12, 6144.	3.3	4
5	Tightly Coupled Integrated Navigation Algorithm for Hypersonic Boost-Glide Vehicles in the LCEF Frame. Aerospace, 2021, 8, 124.	2.2	6
6	Multi-geomagnetic-component assisted localization algorithm for hypersonic vehicles. Journal of Zhejiang University: Science A, 2021, 22, 357-368.	2.4	5
7	Simulation Platform for SINS/GPS Integrated Navigation System of Hypersonic Vehicles Based on Flight Mechanics. Sensors, 2020, 20, 5418.	3.8	9
8	Comparison of geomagnetic aided navigation algorithms for hypersonic vehicles. Journal of Zhejiang University: Science A, 2020, 21, 673-683.	2.4	6
9	SINS/BDS Integrated Navigation for Hypersonic Boost-Glide Vehicles in the Launch-Centered Inertial Frame. Mathematical Problems in Engineering, 2020, 2020, 1-16.	1.1	3
10	Hypersonic boost-glide vehicle strapdown inertial navigation system / global positioning system algorithm in a launch-centered earth-fixed frame. Aerospace Science and Technology, 2020, 98, 105679.	4.8	25
11	Trajectory Generator of SINS Based on Flight Mechanics and Control in Simulink. , 2018, , .		0
12	Strapdown Inertial Navigation Algorithm for Hypersonic Boost-Glide Vehicle. , 2017, , .		5
13	A Chebyshev-Gauss Pseudospectral Method for Solving Optimal Control Problems. Zidonghua Xuebao/Acta Automatica Sinica, 2015, 41, 1778-1787.	1.5	7
14	Thermally Induced Bias Drift Integrated Compensation for the IFOG Strapdown Inertial Navigation System. Transactions of the Japan Society for Aeronautical and Space Sciences, 2014, 57, 219-224.	0.7	1
15	Study on UKF based federal integrated navigation for high dynamic aviation. , 2011, , .		2
16	Transfer alignment for experiment's INS on space moving platform. , 2009, , .		1
17	Real-time planning for hypersonic vehicle in the case of a very small memory. , 2009, , .		0
18	Equivalent Approaches to Equations of Traditional Transfer Alignment and Rapid Transfer Alignment. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
19	Motion Trajectory Planning of Space Manipulator for Joint Jerk Minimization. , 2007, , .		24
20	Motion Trajectory Generation of Slave Arm of Dual-Arm Space Robot for Eliminating Disturbance. , 2007, , .		1
21	Optimal Path Planning for Minimizing Disturbance of Space Robot. , 2006, , .		21