

Lanchuan Zhang

List of Publications by Year in descending order

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papers

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citations

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docs citations

13
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89
citing authors

#	ARTICLE	IF	CITATIONS
1	Multidisciplinary design of high altitude airship based on solar energy optimization. Aerospace Science and Technology, 2021, 110, 106440.	4.8	19
2	Spatial path analysis for high-altitude solar-powered airship with maximum net energy. Aerospace Science and Technology, 2021, 117, 106922.	4.8	3
3	A method of 3-D region controlling for scientific balloon long-endurance flight in the real wind. Aerospace Science and Technology, 2020, 97, 105618.	4.8	7
4	Performance evaluation for scientific balloon station-keeping strategies considering energy management strategy. Renewable Energy, 2020, 156, 290-302.	8.9	3
5	Stratospheric airship endurance strategy analysis based on energy optimization. Aerospace Science and Technology, 2020, 100, 105794.	4.8	22
6	Performance analysis of rotatable energy system of high-altitude airships in real wind field. Aerospace Science and Technology, 2020, 98, 105689.	4.8	9
7	Analysis of attitude planning and energy balance of stratospheric airship. Energy, 2019, 183, 1089-1103.	8.8	27
8	Station-keeping performance analysis for high altitude balloon with altitude control system. Aerospace Science and Technology, 2019, 92, 644-652.	4.8	23
9	Energy management strategy design and station-keeping strategy optimization for high altitude balloon with altitude control system. Aerospace Science and Technology, 2019, 93, 105342.	4.8	10
10	Mission-based multidisciplinary optimization of solar-powered hybrid airship. Energy Conversion and Management, 2019, 185, 44-54.	9.2	22
11	Thermal performance analysis of a high-altitude solar-powered hybrid airship. Renewable Energy, 2018, 125, 890-906.	8.9	32
12	Conceptual design and analysis of hybrid airships with renewable energy. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2018, 232, 2144-2159.	1.3	11
13	Optimization of solar-powered hybrid airship conceptual design. Aerospace Science and Technology, 2017, 65, 54-61.	4.8	35