

Lanchuan Zhang

List of Publications by Year in descending order

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13
papers

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citations

1040056

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13
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citing authors

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