

Rui Nie

List of Publications by Year in descending order

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11
papers

239
citations

1163117
8
h-index

1281871
11
g-index

11
all docs

11
docs citations

11
times ranked

106
citing authors

#	ARTICLE	IF	CITATIONS
1	Deployment analysis for space cable net structures with varying topologies and parameters. Aerospace Science and Technology, 2017, 68, 1-10.	4.8	49
2	Integrated form finding method for mesh reflector antennas considering the flexible truss and hinges. Aerospace Science and Technology, 2019, 84, 926-937.	4.8	48
3	Form finding and design optimization of cable network structures with flexible frames. Computers and Structures, 2019, 220, 81-91.	4.4	32
4	Deployment dynamics modeling and analysis for mesh reflector antennas considering the motion feasibility. Nonlinear Dynamics, 2018, 91, 549-564.	5.2	28
5	Optimization design method for the cable network of mesh reflector antennas considering space thermal effects. Aerospace Science and Technology, 2019, 94, 105380.	4.8	28
6	Pretension modeling and form-finding for cable-network antennas with varying topologies and parameters. Aerospace Science and Technology, 2021, 112, 106631.	4.8	16
7	Topology generation and optimization of boundary cable nets for the mesh reflector antenna. Engineering Structures, 2021, 229, 111630.	5.3	14
8	Novel approach to and implementation of design and analysis of armored face conveyor power train. Science China Technological Sciences, 2015, 58, 2153-2168.	4.0	11
9	Modelling of the transmission system in conveying equipment based on Euler method with application. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2014, 228, 294-306.	0.8	5
10	High-accuracy design for mesh antennas considering the metallic mesh. International Journal of Mechanical Sciences, 2022, 226, 107415.	6.7	4
11	Member importance prediction and failure response analysis for cable network antennas. Engineering Structures, 2022, 266, 114642.	5.3	4