

# Yafeng Wang

## List of Publications by Year in descending order

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16  
papers

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citations

840585

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docs citations

16  
times ranked

107  
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimum energy adaptive structures – All-In-One problem formulation. Computers and Structures, 2020, 236, 106266.	2.4	35
2	Form-finding of tensegrity structures via rank minimization of force density matrix. Engineering Structures, 2021, 227, 111419.	2.6	32
3	Finding member connectivities and nodal positions of tensegrity structures based on force density method and mixed integer nonlinear programming. Engineering Structures, 2018, 166, 240-250.	2.6	31
4	General Approach for Topology-Finding of Tensegrity Structures. Journal of Structural Engineering, 2016, 142, .	1.7	26
5	Minimal mass design of active tensegrity structures. Engineering Structures, 2021, 234, 111965.	2.6	26
6	Topology Optimization of Tensegrity Structures Considering Buckling Constraints. Journal of Structural Engineering, 2018, 144, .	1.7	24
7	Topology design of general tensegrity with rigid bodies. International Journal of Solids and Structures, 2020, 202, 278-298.	1.3	22
8	Design of adaptive structures through energy minimization: extension to tensegrity. Structural and Multidisciplinary Optimization, 2021, 64, 1079-1110.	1.7	18
9	A unifying framework for form-finding and topology-finding of tensegrity structures. Computers and Structures, 2021, 247, 106486.	2.4	16
10	Extended integrated force method for the analysis of prestress-stable statically and kinematically indeterminate structures. International Journal of Solids and Structures, 2020, 202, 798-815.	1.3	15
11	An improved multi-objective topology optimization approach for tensegrity structures. Advances in Structural Engineering, 2018, 21, 59-70.	1.2	14
12	Topology-Finding of Tensegrity Structures Considering Global Stability Condition. Journal of Structural Engineering, 2020, 146, .	1.7	10
13	Prestress Design of Tensegrity Structures Using Semidefinite Programming. Advances in Civil Engineering, 2019, 2019, 1-9.	0.4	4
14	Comparison of different sensitivity matrices relating element elongations to structural response of pin-jointed structures. Mechanics Research Communications, 2021, 118, 103789.	1.0	4
15	Research on a New Class of Planar Tensegrity Trusses Consisting of Repetitive Units. International Journal of Steel Structures, 2020, 20, 1582-1595.	0.6	3
16	Numerical Modeling of Force-Stiffness Response of Cross-Linked Actin Networks Using Tensegrity Systems. Mathematical Problems in Engineering, 2015, 2015, 1-6.	0.6	2