

# Muhao Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8048847/publications.pdf>

Version: 2024-02-01

15  
papers

196  
citations

1040056

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1199594

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g-index

15  
all docs

15  
docs citations

15  
times ranked

51  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and control of tensegrity morphing airfoils. Mechanics Research Communications, 2020, 103, 103480.	1.8	28
2	Tensegrity system dynamics based on finite element method. Composite Structures, 2022, 280, 114838.	5.8	27
3	Design and analysis of a growable artificial gravity space habitat. Aerospace Science and Technology, 2020, 106, 106147.	4.8	23
4	Dynamics and control of clustered tensegrity systems. Engineering Structures, 2022, 264, 114391.	5.3	22
5	Design of a new tensegrity cantilever structure. Composite Structures, 2020, 243, 112188.	5.8	20
6	Review of space habitat designs for long term space explorations. Progress in Aerospace Sciences, 2021, 122, 100692.	12.1	20
7	MOTES: Modeling of Tensegrity Structures. Journal of Open Source Software, 2019, 4, 1613.	4.6	14
8	A general approach to minimal mass tensegrity. Composite Structures, 2020, 248, 112454.	5.8	11
9	The equilibrium and form-finding of general tensegrity systems with rigid bodies. Engineering Structures, 2022, 266, 114618.	5.3	9
10	TsgFEM: Tensegrity Finite Element Method. Journal of Open Source Software, 2022, 7, 3390.	4.6	8
11	Gyroscopic Tensegrity Robots. IEEE Robotics and Automation Letters, 2020, 5, 1239-1246.	5.1	7
12	Tensegrity laboratory drilling rig for earth and space drilling, mining, and exploration. International Journal of Solids and Structures, 2022, 252, 111785.	2.7	3
13	Energy Analysis of Growth Adaptable Artificial Gravity Space Habitat. , 2018, , .		2
14	Deployable Tensegrity Lunar Tower. , 2021, , .		2
15	In-Space Fabrication and Growth of Affordable Large Interior Rotating Habitats. , 2020, , .		0