

# Rui Xu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10731641/publications.pdf>

Version: 2024-02-01

10  
papers

320  
citations

1040056

9  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

200  
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-driven multiscale finite element method: From concurrence to separation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 363, 112893.	6.6	65
2	3D modeling of shape memory alloy fiber reinforced composites by multiscale finite element method. <i>Composite Structures</i> , 2018, 200, 408-419.	5.8	51
3	Data-driven multiscale simulation of FRP based on material twins. <i>Composite Structures</i> , 2021, 256, 113013.	5.8	50
4	Structural-Genome-Driven computing for composite structures. <i>Composite Structures</i> , 2019, 215, 446-453.	5.8	40
5	An efficient approach for post-buckling analysis of sandwich structures with elastic-plastic material behavior. <i>International Journal of Engineering Science</i> , 2019, 142, 20-35.	5.0	34
6	A Fourier-related FE2 multiscale model for instability phenomena of long fiber reinforced materials. <i>Composite Structures</i> , 2019, 211, 530-539.	5.8	28
7	A two-dimensional Fourier-series finite element for wrinkling analysis of thin films on compliant substrates. <i>Thin-Walled Structures</i> , 2017, 114, 144-153.	5.3	20
8	A Multiscale Analysis on the Superelasticity Behavior of Architected Shape Memory Alloy Materials. <i>Materials</i> , 2018, 11, 1746.	2.9	13
9	The effects of kinematics on post-buckling analysis of sandwich structures. <i>Thin-Walled Structures</i> , 2019, 143, 106204.	5.3	11
10	Wrinkling analysis of circular membranes by a Fourier based reduced model. <i>Thin-Walled Structures</i> , 2021, 161, 107512.	5.3	8