

Dong-Jia Yan

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

594
citations

686830

13
h-index

996533

15
g-index

15
all docs

15
docs citations

15
times ranked

363
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly-integrated, miniaturized, stretchable electronic systems based on stacked multilayer network materials. <i>Science Advances</i> , 2022, 8, eabm3785.	4.7	89
2	Mechanics of Three-Dimensional Soft Network Materials With a Class of Bio-Inspired Designs. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2022, 89, .	1.1	7
3	Influences of defects on the propagation of transverse waves in periodic piezoelectric laminate structure with nanoscaled layers. <i>Thin-Walled Structures</i> , 2022, 179, 109567.	2.7	3
4	Wave propagation in one-dimensional fluid-saturated porous phononic crystals with partial-open pore interfaces. <i>International Journal of Mechanical Sciences</i> , 2021, 195, 106227.	3.6	20
5	Mechanics of unusual soft network materials with rotatable structural nodes. <i>Journal of the Mechanics and Physics of Solids</i> , 2021, 146, 104210.	2.3	65
6	Rapidly deployable and morphable 3D mesostructures with applications in multimodal biomedical devices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	24
7	Design, fabrication and applications of soft network materials. <i>Materials Today</i> , 2021, 49, 324-350.	8.3	36
8	Size-effect on the band structures of the transverse elastic wave propagating in nanoscale periodic laminates. <i>International Journal of Mechanical Sciences</i> , 2020, 180, 105669.	3.6	16
9	Soft three-dimensional network materials with rational bio-mimetic designs. <i>Nature Communications</i> , 2020, 11, 1180.	5.8	120
10	A meshless collocation method for band structure simulation of nanoscale phononic crystals based on nonlocal elasticity theory. <i>Journal of Computational Physics</i> , 2020, 408, 109268.	1.9	31
11	A nonlinear mechanics model of soft network metamaterials with unusual swelling behavior and tunable phononic band gaps. <i>Composites Science and Technology</i> , 2019, 183, 107822.	3.8	28
12	In-plane elastic wave propagation in nanoscale periodic piezoelectric/piezomagnetic laminates. <i>International Journal of Mechanical Sciences</i> , 2019, 153-154, 416-429.	3.6	30
13	In-plane elastic wave propagation in nanoscale periodic layered piezoelectric structures. <i>International Journal of Mechanical Sciences</i> , 2018, 142-143, 276-288.	3.6	43
14	Propagation of guided elastic waves in nanoscale layered periodic piezoelectric composites. <i>European Journal of Mechanics, A/Solids</i> , 2017, 66, 158-167.	2.1	51
15	Anti-plane transverse waves propagation in nanoscale periodic layered piezoelectric structures. <i>Ultrasonics</i> , 2016, 65, 154-164.	2.1	31