

Dong-Jia Yan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

14
papers

264
citations

10
h-index

15
g-index

15
ext. papers

406
ext. citations

7.8
avg, IF

4.19
L-index

#	Paper	IF	Citations
14	Highly-integrated, miniaturized, stretchable electronic systems based on stacked multilayer network materials.. <i>Science Advances</i> , 2022 , 8, eabm3785	14.3	15
13	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,	11.5	10
12	Design, fabrication and applications of soft network materials. <i>Materials Today</i> , 2021 ,	21.8	11
11	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	5.5	9
10	Mechanics of unusual soft network materials with rotatable structural nodes. <i>Journal of the Mechanics and Physics of Solids</i> , 2021 , 146, 104210	5	30
9	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	5.5	6
8	Soft three-dimensional network materials with rational bio-mimetic designs. <i>Nature Communications</i> , 2020 , 11, 1180	17.4	57
7	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	4.1	15
6	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	8.6	17
5	In-plane elastic wave propagation in nanoscale periodic piezoelectric/piezomagnetic laminates. <i>International Journal of Mechanical Sciences</i> , 2019 , 153-154, 416-429	5.5	15
4	In-plane elastic wave propagation in nanoscale periodic layered piezoelectric structures. <i>International Journal of Mechanical Sciences</i> , 2018 , 142-143, 276-288	5.5	27
3	Propagation of guided elastic waves in nanoscale layered periodic piezoelectric composites. <i>European Journal of Mechanics, A/Solids</i> , 2017 , 66, 158-167	3.7	29
2	Anti-plane transverse waves propagation in nanoscale periodic layered piezoelectric structures. <i>Ultrasonics</i> , 2016 , 65, 154-64	3.5	23
1	Mechanics of three-dimensional soft network materials with a class of bio-inspired designs. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1-45	2.7	0