

# Shahram Janbaz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8749262/publications.pdf>

Version: 2024-02-01

23  
papers

1,695  
citations

361413

20  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1628  
citing authors

#	ARTICLE	IF	CITATIONS
1	Curvature Induced by Deflection in Thick Meta-Plates. <i>Advanced Materials</i> , 2021, 33, e2008082.	21.0	22
2	4D printing of reconfigurable metamaterials and devices. <i>Communications Materials</i> , 2021, 2, .	6.9	60
3	4D printing of shape memory polylactic acid (PLA). <i>Polymer</i> , 2021, 230, 124080.	3.8	103
4	Kirigami-enabled self-folding origami. <i>Materials Today</i> , 2020, 32, 59-67.	14.2	63
5	Investigation on the Functionality of Thermo-responsive Origami Structures. <i>Advanced Engineering Materials</i> , 2020, 22, 2000296.	3.5	36
6	Strain rate-dependent mechanical metamaterials. <i>Science Advances</i> , 2020, 6, eaba0616.	10.3	75
7	Russian doll deployable meta-implants: Fusion of kirigami, origami, and multi-stability. <i>Materials and Design</i> , 2020, 191, 108624.	7.0	41
8	Ultra-programmable buckling-driven soft cellular mechanisms. <i>Materials Horizons</i> , 2019, 6, 1138-1147.	12.2	77
9	Metallic clay. <i>Additive Manufacturing</i> , 2019, 28, 528-534.	3.0	4
10	Crumpling of thin sheets as a basis for creating mechanical metamaterials. <i>RSC Advances</i> , 2019, 9, 5174-5188.	3.6	19
11	Shape-matching soft mechanical metamaterials. <i>Scientific Reports</i> , 2018, 8, 965.	3.3	95
12	Rationally designed meta-implants: a combination of auxetic and conventional meta-biomaterials. <i>Materials Horizons</i> , 2018, 5, 28-35.	12.2	216
13	Programming the shape-shifting of flat soft matter. <i>Materials Today</i> , 2018, 21, 144-163.	14.2	188
14	Multi-material 3D printed mechanical metamaterials: Rational design of elastic properties through spatial distribution of hard and soft phases. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	89
15	Towards deployable meta-implants. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3449-3455.	5.8	49
16	Length-scale dependency of biomimetic hard-soft composites. <i>Scientific Reports</i> , 2018, 8, 12052.	3.3	28
17	Multimaterial Control of Instability in Soft Mechanical Metamaterials. <i>Physical Review Applied</i> , 2018, 9, .	3.8	35
18	Programming 2D/3D shape-shifting with hobbyist 3D printers. <i>Materials Horizons</i> , 2017, 4, 1064-1069.	12.2	216

#	ARTICLE	IF	CITATIONS
19	Crumpling-based soft metamaterials: the effects of sheet pore size and porosity. <i>Scientific Reports</i> , 2017, 7, 13028.	3.3	21
20	Origami lattices with free-form surface ornaments. <i>Science Advances</i> , 2017, 3, eaao1595.	10.3	53
21	How does tissue regeneration influence the mechanical behavior of additively manufactured porous biomaterials?. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 65, 831-841.	3.1	64
22	Programming the shape-shifting of flat soft matter: from self-rolling/self-twisting materials to self-folding origami. <i>Materials Horizons</i> , 2016, 3, 536-547.	12.2	129
23	Geometry-based control of instability patterns in cellular soft matter. <i>RSC Advances</i> , 2016, 6, 20431-20436.	3.6	12