Shahram Janbaz

List of Publications by Year
in descending order

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

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23	1,695	361413	642732
papers	citations	20 h-index	23 g-index

23	23	23	1628
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Programming 2D/3D shape-shifting with hobbyist 3D printers. Materials Horizons, 2017, 4, 1064-1069.	12.2	216
2	Rationally designed meta-implants: a combination of auxetic and conventional meta-biomaterials. Materials Horizons, 2018, 5, 28-35.	12.2	216
3	Programming the shape-shifting of flat soft matter. Materials Today, 2018, 21, 144-163.	14.2	188
4	Programming the shape-shifting of flat soft matter: from self-rolling/self-twisting materials to self-folding origami. Materials Horizons, 2016, 3, 536-547.	12.2	129
5	4D printing of shape memory polylactic acid (PLA). Polymer, 2021, 230, 124080.	3.8	103
6	Shape-matching soft mechanical metamaterials. Scientific Reports, 2018, 8, 965.	3.3	95
7	Multi-material 3D printed mechanical metamaterials: Rational design of elastic properties through spatial distribution of hard and soft phases. Applied Physics Letters, 2018, 113, .	3.3	89
8	Ultra-programmable buckling-driven soft cellular mechanisms. Materials Horizons, 2019, 6, 1138-1147.	12.2	77
9	Strain rateâ€“dependent mechanical metamaterials. Science Advances, 2020, 6, eaba0616.	10.3	75
10	How does tissue regeneration influence the mechanical behavior of additively manufactured porous biomaterials?. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 65, 831-841.	3.1	64
11	Kirigami-enabled self-folding origami. Materials Today, 2020, 32, 59-67.	14.2	63
12	4D printing of reconfigurable metamaterials and devices. Communications Materials, 2021, 2, .	6.9	60
13	Origami lattices with free-form surface ornaments. Science Advances, 2017, 3, eaao1595.	10.3	53
14	Towards deployable meta-implants. Journal of Materials Chemistry B, 2018, 6, 3449-3455.	5.8	49
15	Russian doll deployable meta-implants: Fusion of kirigami, origami, and multi-stability. Materials and Design, 2020, 191, 108624.	7.0	41
16	Investigation on the Functionality of Thermoresponsive Origami Structures. Advanced Engineering Materials, 2020, 22, 2000296.	3.5	36
17	Multimaterial Control of Instability in Soft Mechanical Metamaterials. Physical Review Applied, 2018, 9, .	3.8	35
18	Length-scale dependency of biomimetic hard-soft composites. Scientific Reports, 2018, 8, 12052.	3.3	28

#	Article	IF	Citations
19	Curvature Induced by Deflection in Thick Metaâ€Plates. Advanced Materials, 2021, 33, e2008082.	21.0	22
20	Crumpling-based soft metamaterials: the effects of sheet pore size and porosity. Scientific Reports, 2017, 7, 13028.	3.3	21
21	Crumpling of thin sheets as a basis for creating mechanical metamaterials. RSC Advances, 2019, 9, 5174-5188.	3.6	19
22	Geometry-based control of instability patterns in cellular soft matter. RSC Advances, 2016, 6, 20431-20436.	3.6	12
23	Metallic clay. Additive Manufacturing, 2019, 28, 528-534.	3.0	4