

# Xiaoming Mu

## List of Publications by Year in descending order

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14  
papers

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citations

759055

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#	ARTICLE	IF	CITATIONS
1	Programmable shape-shifting 3D structures via frontal photopolymerization. <i>Materials and Design</i> , 2021, 198, 109381.	3.3	8
2	Modeling and Application of Planar to 3D Structures via Optically Programmed Frontal Photopolymerization. <i>Advanced Engineering Materials</i> , 2019, 21, 1801279.	1.6	9
3	Thermomechanically Triggered Two-Stage Pattern Switching of 2D Lattices for Adaptive Structures. <i>Advanced Functional Materials</i> , 2018, 28, 1705727.	7.8	58
4	Evolution of material properties during free radical photopolymerization. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 112, 25-49.	2.3	124
5	Origami by frontal photopolymerization. <i>Science Advances</i> , 2017, 3, e1602326.	4.7	193
6	Recyclable 3D printing of vitrimer epoxy. <i>Materials Horizons</i> , 2017, 4, 598-607.	6.4	339
7	Desolvation Induced Origami of Photocurable Polymers by Digit Light Processing. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600625.	2.0	116
8	Effects of oxygen on interfacial strength of incremental forming of materials by photopolymerization. <i>Extreme Mechanics Letters</i> , 2016, 9, 108-118.	2.0	24
9	Molecular dynamics studying on welding behavior in thermosetting polymers due to bond exchange reactions. <i>RSC Advances</i> , 2016, 6, 22476-22487.	1.7	44
10	Effects of oxygen on light activation in covalent adaptable network polymers. <i>Soft Matter</i> , 2015, 11, 6134-6144.	1.2	16
11	A molecular dynamics study of bond exchange reactions in covalent adaptable networks. <i>Soft Matter</i> , 2015, 11, 6305-6317.	1.2	71
12	Photo-induced bending in a light-activated polymer laminated composite. <i>Soft Matter</i> , 2015, 11, 2673-2682.	1.2	55
13	Thermoviscoplastic behaviors of anisotropic shape memory elastomeric composites for cold programmed non-affine shape change. <i>Journal of the Mechanics and Physics of Solids</i> , 2015, 85, 219-244.	2.3	36
14	A photoviscoplastic model for photoactivated covalent adaptive networks. <i>Journal of the Mechanics and Physics of Solids</i> , 2014, 70, 84-103.	2.3	48