Xiaoming Mu

List of Publications by Year
in descending order

14 papers	1,141 citations	759055 12 h-index	1058333 14 g-index
14 all docs	14 docs citations	14 times ranked	1443 citing authors

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