

Xiao Zhang

List of Publications by Year in descending order

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13
papers

175
citations

1307594

7
h-index

1372567

10
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13
all docs

13
docs citations

13
times ranked

109
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual dynamic bonds self-healing polyurethane with superior mechanical properties over a wide temperature range. <i>European Polymer Journal</i> , 2022, 163, 110934.	5.4	13
2	Self-healable Hydroxyl-terminated Polybutadiene based Polyurethane for Sustainable Development. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 966, 012009.	0.3	0
3	An intelligent polyurethane material with self-healing at sub-zero temperatures enabled by copolymerization and dual dynamic bonds. <i>Vibroengineering PROCEDIA</i> , 2022, 42, 112-117.	0.5	0
4	Ultra-low-temperature self-healing polyurethane with enhanced strength and elongation based on dual synergetic crosslinking strategy. <i>European Polymer Journal</i> , 2022, 175, 111394.	5.4	9
5	Raw material ratio optimisation of magnesium oxychloride cement using response surface method. <i>Construction and Building Materials</i> , 2021, 272, 121648.	7.2	18
6	Bioinspired modified graphene oxide/polyurethane composites with rapid self-healing performance and excellent mechanical properties. <i>RSC Advances</i> , 2021, 11, 14665-14677.	3.6	13
7	Multifunctional magnesium oxychloride based composite with stable superhydrophobicity, self-luminescence and reusability. <i>Construction and Building Materials</i> , 2021, 286, 122978.	7.2	6
8	Enhanced physical mechanics properties of hydroxyl-terminated polybutadiene based polyurethane crosslinking with modified graphene oxide. <i>Journal of Physics: Conference Series</i> , 2021, 1980, 012019.	0.4	0
9	Mussel-inspired and aromatic disulfide-mediated polyurea-urethane with rapid self-healing performance and water-resistance. <i>Journal of Colloid and Interface Science</i> , 2021, 593, 105-115.	9.4	33
10	Mussel-inspired waterproof and self-healing polyurethane with enhanced mechanical properties. <i>European Polymer Journal</i> , 2021, 159, 110751.	5.4	5
11	Hyperbranched polyamide modified graphene oxide-reinforced polyurethane nanocomposites with enhanced mechanical properties. <i>RSC Advances</i> , 2021, 11, 14484-14494.	3.6	3
12	High dimensional stability and low viscous response solid propellant binder based on graphene oxide nanosheets and dual cross-linked polyurethane. <i>Composites Science and Technology</i> , 2018, 161, 124-134.	7.8	32
13	Surface modified graphene oxide cross-linking with hydroxyl-terminated polybutadiene polyurethane: Effects on structure and properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 103, 208-218.	7.6	43