

Yuetao Liu

List of Publications by Year in descending order

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24
papers

500
citations

687363

13
h-index

677142

22
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24
all docs

24
docs citations

24
times ranked

422
citing authors

#	ARTICLE	IF	CITATIONS
1	Modified MXene-doped conductive organosilicon elastomer with high-stretchable, toughness, and self-healable for strain sensors. <i>Composite Structures</i> , 2022, 282, 115071.	5.8	14
2	Cephalopods-inspired Repairable MWCNTs/PDMS Conductive Elastomers for Sensitive Strain Sensor. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2022, 40, 384-393.	3.8	14
3	An anti-freezing wearable strain sensor based on nanoarchitectonics with a highly stretchable, tough, anti-fatigue and fast self-healing composite hydrogel. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 160, 107039.	7.6	30
4	A silsesquioxane-based flexible polyimide aerogel with high hydrophobicity and good adsorption for liquid pollutants in wastewater. <i>Journal of Materials Science</i> , 2021, 56, 3576-3588.	3.7	9
5	Biomimetic structure of chitosan reinforced epoxy natural rubber with self-healed, recyclable and antimicrobial ability. <i>International Journal of Biological Macromolecules</i> , 2021, 184, 9-19.	7.5	23
6	Synthesis of bio-based waterborne polyesters as environmentally benign biodegradable material through regulation of unsaturated acid structure. <i>European Polymer Journal</i> , 2021, 156, 110632.	5.4	3
7	A NIR laser induced self-healing PDMS/Gold nanoparticles conductive elastomer for wearable sensor. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 360-369.	9.4	32
8	Tough, stretchable and self-healing C-MXenes/PDMS conductive composites as sensitive strain sensors. <i>Composites Science and Technology</i> , 2021, 216, 109042.	7.8	37
9	Mussel-inspired self-healing PDMS/AgNPs conductive elastomer with tunable mechanical properties and efficient antibacterial performances for wearable sensor. <i>Composites Part B: Engineering</i> , 2021, 224, 109213.	12.0	36
10	A type of silicones strengthened by vinyl ethylene carbonate functional polyorganosilsesquioxane and crosslinked by primary ammonia and cyclic carbonate reaction: Experimental and MD simulation studies. <i>Reactive and Functional Polymers</i> , 2021, 158, 104801.	4.1	2
11	A stretchable and self-healable organosilicon conductive nanocomposite for a reliable and sensitive strain sensor. <i>Journal of Materials Chemistry C</i> , 2020, 8, 17277-17288.	5.5	19
12	Self-Healing Ti ₃ C ₂ MXene/PDMS Supramolecular Elastomers Based on Small Biomolecules Modification for Wearable Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45306-45314.	8.0	104
13	Tailoring physical machinery and biodegradation properties of unsaturated polyesters through manipulation of synthesis and curing conditions. <i>Polymer Degradation and Stability</i> , 2020, 181, 109336.	5.8	6
14	A type of self-healable, dissoluble and stretchable organosilicon elastomer for flexible electronic devices. <i>European Polymer Journal</i> , 2020, 134, 109857.	5.4	25
15	Surface modification of calcium sulfate whisker using thiol-ene click reaction and its application in reinforced silicone rubber. <i>Journal of Polymer Science</i> , 2020, 58, 624-635.	3.8	8
16	Effect of polyhedral oligomeric silsesquioxane on thiol-ene UV curing kinetics of waterborne polyester. <i>Progress in Organic Coatings</i> , 2019, 136, 105231.	3.9	2
17	A Type of Hydrogen Bond Cross-Linked Silicone Rubber with the Thermal-Induced Self-Healing Properties Based on the Nonisocyanate Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 21452-21458.	3.7	33
18	Application of a bio-based polyester plasticizer modified by hydrosiliconation hydrogenation reaction in soft PVC films. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1126-1134.	3.2	25

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19	Multivalent urea bond assembly of polyacrylate oligomers with improved mechanical strength and high self-healing efficiency. <i>Reactive and Functional Polymers</i> , 2019, 137, 79-87.	4.1	8
20	Poly(hexane succinate) plasticizer designed for poly(vinyl chloride) with a high efficiency, nontoxicity, and improved migration resistance. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46388.	2.6	16
21	A new cross-linked system of silicone rubber based on silicone-polyurea block copolymer. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2064-2071.	3.2	7
22	A facile preparation of UV-cured films from waterborne unsaturated polyester via click reaction. <i>Progress in Organic Coatings</i> , 2018, 124, 232-239.	3.9	17
23	A type of thiophene-bridged silica aerogel with a high adsorption capacity for organic solvents and oil pollutants. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1894-1901.	6.0	10
24	Thermal, Crystallographic, and Mechanical Properties of Poly(butylene succinate)/Magnesium Hydroxide Sulfate Hydrate Whisker Composites Modified by in Situ Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 3516-3526.	3.7	20