

Ran Yu

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,064
citations

623734

14
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

1139
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-healing, mechanically robust, 3D printable ionogel for highly sensitive and long-term reliable ionotronics. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12005-12015.	10.3	43
2	Aliphatic silicone-epoxy based hybrid photopolymers applied in stereolithography 3D printing. <i>Polymers for Advanced Technologies</i> , 2021, 32, 980-987.	3.2	14
3	A High Strength but Fast Fracture-Self-Healing Thermoplastic Elastomer. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100135.	3.9	17
4	Silicon carbide whiskers reinforced SiOC ceramics through digital light processing 3D printing technology. <i>Ceramics International</i> , 2021, 47, 18314-18322.	4.8	29
5	Digital Light Processing 4D Printing of Transparent, Strong, Highly Conductive Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 36286-36294.	8.0	52
6	A facile approach to prepare cage-ladder structure phosphorus-containing amino-functionalized POSS for enhancing flame retardancy of epoxy resins. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49870.	2.6	9
7	Toughening Rigid Epoxy Using Novel Potassium Silanolate Ionic Interactions. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900535.	3.6	4
8	Four-dimensional printing of shape memory polyurethanes with high strength and recyclability based on Diels-Alder chemistry. <i>Polymer</i> , 2020, 200, 122532.	3.8	58
9	Self-Healing Polyurethane Elastomers Based on a Disulfide Bond by Digital Light Processing 3D Printing. <i>ACS Macro Letters</i> , 2019, 8, 1511-1516.	4.8	192
10	Superstretchable and Processable Silicone Elastomers by Digital Light Processing 3D Printing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14391-14398.	8.0	85
11	Cage-ladder structure, phosphorus-containing polyhedral oligomeric silsesquioxanes as promising reactive-type flame retardants for epoxy resin. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47607.	2.6	27
12	A comparative study on 3D printed silicone-epoxy/acrylate hybrid polymers via pure photopolymerization and dual-curing mechanisms. <i>Journal of Materials Science</i> , 2019, 54, 5101-5111.	3.7	37
13	Highly crosslinked and uniform thermoset epoxy microspheres: Preparation and toughening study. <i>Polymer</i> , 2018, 143, 145-154.	3.8	27
14	4D printing of shape memory polyurethane via stereolithography. <i>European Polymer Journal</i> , 2018, 101, 120-126.	5.4	107
15	Silicone-Epoxy-Based Hybrid Photopolymers for 3D Printing. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700530.	2.2	40
16	Synthesis and characterization of thianthrene-based epoxy with high refractive index over 1.7. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2018, 193, 33-40.	1.6	4
17	A self-healing polysiloxane elastomer based on siloxane equilibration synthesized through amino-ene Michael addition reaction. <i>European Polymer Journal</i> , 2018, 108, 399-405.	5.4	33
18	A facile access to stiff epoxy vitrimers with excellent mechanical properties via siloxane equilibration. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10184-10188.	10.3	150

#	ARTICLE	IF	CITATIONS
19	Three-Dimensional Printing of Shape Memory Composites with Epoxy-Acrylate Hybrid Photopolymer. ACS Applied Materials & Interfaces, 2017, 9, 1820-1829.	8.0	132
20	Hierarchically porous silica composites via a colloidal reaction sequence. Polymer, 2017, 128, 40-46.	3.8	1
21	Borderline Particles: Approaching the Limit between Colloidal Stability and Instability during Heterophase Polymerization. Macromolecular Chemistry and Physics, 2016, 217, 901-911.	2.2	0
22	Stabile, Thermoresponsive Colloidal Clusters: An Unusual Morphology of Polymer Dispersions. Macromolecular Rapid Communications, 2013, 34, 1629-1634.	3.9	3