

Longhui Zheng

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	3D Printing Mechanically Robust and Transparent Polyurethane Elastomers for Stretchable Electronic Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6479-6488.	8.0	104
2	Dynamic Imine Bond-Based Shape Memory Polymers with Permanent Shape Reconfigurability for 4D Printing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40642-40651.	8.0	93
3	Tailoring of photocurable ionogel toward high resilience and low hysteresis 3D printed versatile porous flexible sensor. <i>Chemical Engineering Journal</i> , 2022, 439, 135593.	12.7	58
4	Tailored and Highly Stretchable Sensor Prepared by Crosslinking an Enhanced 3D Printed UV-Curable Sacrificial Mold. <i>Advanced Functional Materials</i> , 2021, 31, 2008729.	14.9	52
5	Three-Dimensional Printing Fully Biobased Heat-Resistant Photoactive Acrylates from Aliphatic Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9415-9424.	6.7	43
6	High-k 3D-barium titanate foam/phenolphthalein poly(ether sulfone)/cyanate ester composites with frequency-stable dielectric properties and extremely low dielectric loss under reduced concentration of ceramics. <i>Applied Surface Science</i> , 2018, 427, 1046-1054.	6.1	38
7	3D printing of sacrificial thermosetting mold for building near-infrared irradiation induced self-healable 3D smart structures. <i>Chemical Engineering Journal</i> , 2022, 427, 131580.	12.7	25
8	Eugenol-derived reconfigurable high-performance epoxy resin for self-deployable smart 3D structures. <i>European Polymer Journal</i> , 2020, 134, 109805.	5.4	23
9	Building biobased, degradable, flexible polymer networks from vanillin <i>via</i> thiol-ene click-photopolymerization. <i>Polymer Chemistry</i> , 2021, 12, 564-571.	3.9	22
10	Unique pure barium titanate foams with three-dimensional interconnecting pore channels and their high-k cyanate ester resin composites at very low barium titanate loading. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10654-10663.	5.5	21
11	Superelastic, Anticorrosive, and Flame-Resistant Nitrogen-Containing Resorcinol Formaldehyde/Graphene Oxide Composite Aerogels. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10873-10879.	6.7	20
12	UV-Curable, Low-Viscosity Resin with a High Silica Filler Content for Preparing Ultradiff, 3D-Printed Molds. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2636-2647.	4.4	18
13	Swelling synthesis and modification of Janus composite particles containing natural urushiol. <i>Materials Letters</i> , 2014, 120, 271-274.	2.6	17
14	Origin of Increasing Dielectric Constant at Lower Percolation Threshold through Controlling Spatial Distribution of Carbon Nanotubes in Epoxy Resin with Microwave-Assisted Thermal Curing Technique. <i>Journal of Physical Chemistry C</i> , 2016, 120, 28875-28885.	3.1	16
15	Development of novel anisotropic Janus composite particles based on Urushiol-iron/polystyrene polymer. <i>Progress in Organic Coatings</i> , 2015, 85, 15-21.	3.9	15
16	Structure-Property Relationship of Stereolithography Resins Containing Polysiloxane Core-Shell Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4917-4926.	8.0	15
17	Scalable synthesis of TiO ₂ -Ag Janus composite particles. <i>European Polymer Journal</i> , 2013, 49, 2610-2616.	5.4	13
18	A one-step approach to green and scalable production of graphene inks for printed flexible film heaters. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1895-1905.	5.9	12

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19	Terahertz spectroscopic study of optical and dielectric properties of typical electrical insulation materials. <i>Optical Materials</i> , 2022, 123, 111837.	3.6	12
20	Fabrication and origin of asymmetric polyvinylidene fluoride-carbon nanotube/cyanate ester materials with high dielectric constant and low dielectric loss through building double-layered structure. <i>High Voltage</i> , 2017, 2, 32-38.	4.7	10
21	An <i>in situ</i> ($K_{0.5}Na_{0.5}$) NbO_3 -doped barium titanate foam framework and its cyanate ester resin composites with temperature-stable dielectric properties and low dielectric loss. <i>Materials Chemistry Frontiers</i> , 2019, 3, 726-736.	5.9	7
22	Multifunctional epoxy resin/polyacrylonitrile-lithium trifluoromethanesulfonate composites films with very high transparency, high dielectric permittivity, breakdown strength and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45218.	2.6	6
23	Synthesis and characterization of TiO ₂ /C Janus composite particles and its photocatalytic activity for the degradation of rhodamine B. <i>Colloid and Polymer Science</i> , 2014, 292, 3085-3093.	2.1	4
24	Highly efficient phase transfer catalyst supported on Janus composite particles: Synthesis, characterization, and applications. <i>Journal of Materials Research</i> , 2014, 29, 1231-1236.	2.6	3
25	Dielectric Polymer Materials with High Thermal Stability. , 2018, , 383-427.		2