Laihui Xiao

List of Publications by Year
in descending order

25 papers	1,123 citations	516710 16 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	1064 citing authors

#	ARTICLE	IF	CITATIONS
1	Bio-based epoxy vitrimer for recyclable and carbon fiber reinforced materials: Synthesis and structure-property relationship. Composites Science and Technology, 2022, 227, 109575.	7.8	32
2	Tung Oil-Derived Epoxy Vitrimers with High Mechanical Strength, Toughness, and Excellent Recyclability. ACS Sustainable Chemistry and Engineering, 2022, 10, 9829-9840.	6.7	14
3	Advances in Responsively Conductive Polymer Composites and Sensing Applications. Polymer Reviews, 2021, 61, 157-193.	10.9	103
4	Self-healing silicon-containing eugenol-based epoxy resin based on disulfide bond exchange: Synthesis and structure-property relationships. Polymer, 2021, 229, 123967.	3.8	41
5	Boosting the selectivity of aromatic hydrocarbons via ex-situ catalytic fast pyrolysis of cellulose over Ptâ€“Snâ€“Ce/Î³-Al2O3 catalyst. Journal of the Energy Institute, 2021, 98, 144-152.	5.3	9
6	Toughening epoxy resin by constructing Ï€-Ï€ interaction between a tung oil-based modifier and epoxy. Industrial Crops and Products, 2021, 170, 113723.	5.2	18
7	Diphenolic Acid-Derived Hyperbranched Epoxy Thermosets with High Mechanical Strength and Toughness. ACS Omega, 2021, 6, 34142-34149.	3.5	3
8	A hyperbranched polymer from tung oil for the modification of epoxy thermoset with simultaneous improvement in toughness and strength. New Journal of Chemistry, 2020, 44, 16856-16863.	2.8	15
9	Simultaneously strengthening, toughening, and conductivity improving for epoxy at ultralow carbonaceous filler content by constructing 3D nanostructures and sacrificial bonds. Composites Part A: Applied Science and Manufacturing, 2020, 137, 106014.	7.6	15
10	Synthesis and application of a novel thermostable epoxy plasticizer based on levulinic acid for poly(vinyl chloride). Journal of Applied Polymer Science, 2020, 137, 49066.	2.6	3
11	A renewable tung oil-derived nitrile rubber and its potential use in epoxy-toughening modifiers. RSC Advances, 2019, 9, 25880-25889.	3.6	14
12	Tung Oil-Based Modifier Toughening Epoxy Resin by Sacrificial Bonds. ACS Sustainable Chemistry and Engineering, 2019, 7, 17344-17353.	6.7	68
13	Fabrication of a highly tough, strong, and stiff carbon nanotube/epoxy conductive composite with an ultralow percolation threshold <i>via</i> self-assembly. Journal of Materials Chemistry A, 2019, 7, 15731-15740.	10.3	41
14	Synthesis and application of a novel cardanolâ€based plasticizer as secondary or main plasticizer for poly(vinyl chloride). Polymer International, 2018, 67, 269-275.	3.1	17
15	Synthesis and application of a novel environmental C26 diglycidyl ester plasticizer based on castor oil for poly(vinyl chloride). Journal of Materials Science, 2018, 53, 8909-8920.	3.7	23
16	Synthesis and application of environmental soybean oilâ€based epoxidized glycidyl ester plasticizer for poly(vinyl chloride). European Journal of Lipid Science and Technology, 2017, 119, 1600216.	1.5	25
17	Synthesis and Properties of a Novel Environmental Epoxidized Glycidyl Ester of Ricinoleic Acetic Ester Plasticizer for Poly(vinyl chloride). Polymers, 2017, 9, 640.	4.5	30
18	Epoxidized dimeric acid methyl ester derived from rubber seed oil and its application as secondary plasticizer. Journal of Applied Polymer Science, 2016, 133, .	2.6	12

#	Article	IF	Citations
19	A simple and novel method to design flexible and transparent epoxy resin with tunable mechanical properties. Polymer International, 2016, 65, 835-840.	3.1	29
20	Fabrication of Polymer Film with Extraordinary Conductive Anisotropy by Forming Parallel Conductive Vorticityâ€Aligned Stripes and Its Formation Mechanism. Macromolecular Materials and Engineering, 2016, 301, 743-749.	3.6	26
21	Massive enhancement in the thermal conductivity of polymer composites by trapping graphene at the interface of a polymer blend. Composites Science and Technology, 2016, 129, 160-165.	7.8	118
22	Parallel carbon nanotube stripes in polymer thin film with tunable microstructures and anisotropic conductive properties. Composites Part A: Applied Science and Manufacturing, 2015, 69, 240-246.	7.6	35
23	Control of carbon nanotubes at the interface of a co-continuous immiscible polymer blend to fabricate conductive composites with ultralow percolation thresholds. Carbon, 2014, 73, 267-274.	10.3	225
24	Parallel Carbon Nanotube Stripes in Polymer Thin Film with Remarkable Conductive Anisotropy. ACS Applied Materials & Interfaces, 2014, 6, 1754-1758.	8.0	66
25	A simple strategy to achieve very low percolation threshold via the selective distribution of carbon nanotubes at the interface of polymer blends. Journal of Materials Chemistry, 2012, 22, 22398.	6.7	141