

Jie Chen

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

580
citations

623734

14
h-index

888059

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g-index

17
all docs

17
docs citations

17
times ranked

370
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel biobased plasticizer of epoxidized cardanol glycidyl ether: synthesis and application in soft poly(vinyl chloride) films. RSC Advances, 2015, 5, 56171-56180.	3.6	104
2	Tung Oil-Based Modifier Toughening Epoxy Resin by Sacrificial Bonds. ACS Sustainable Chemistry and Engineering, 2019, 7, 17344-17353.	6.7	68
3	Synthesis of Tung-Oil-Based Triglycidyl Ester Plasticizer and Its Effects on Poly(vinyl chloride) Soft Films. ACS Sustainable Chemistry and Engineering, 2018, 6, 642-651.	6.7	60
4	Thermal behavior of epoxidized cardanol diethyl phosphate as novel renewable plasticizer for poly(vinyl chloride). Polymer Degradation and Stability, 2016, 126, 58-64.	5.8	48
5	Synthesis and application of a novel environmental plasticizer based on cardanol for poly(vinyl chloride) films. Journal of Applied Polymer Science, 2017, 136, 47142.	3.5	47
6	Fabrication of a highly tough, strong, and stiff carbon nanotube/epoxy conductive composite with an ultralow percolation threshold via self-assembly. Journal of Materials Chemistry A, 2019, 7, 15731-15740.	10.3	41
7	Epoxidized castor oil-based diglycidyl ether phthalate plasticizer: Synthesis and thermal stabilizing effects on poly(vinyl chloride). Journal of Applied Polymer Science, 2019, 136, 47142.	2.6	30
8	Plasticizers derived from cardanol: synthesis and plasticization properties for poly(vinyl chloride)(PVC). Journal of Polymer Research, 2018, 25, 1.	2.4	27
9	Synthesis of a Novel Bio-Oil-Based Hyperbranched Ester Plasticizer and Its Effects on Poly(vinyl chloride) Films. Journal of Applied Polymer Science, 2017, 136, 47142.	3.5	26
10	Synthesis and application of environmental soybean oil-based epoxidized glycidyl ester plasticizer for poly(vinyl chloride). European Journal of Lipid Science and Technology, 2017, 119, 1600216.	1.5	25
11	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
12	Toughening epoxy resin by constructing π - π interaction between a tung oil-based modifier and epoxy. Industrial Crops and Products, 2021, 170, 113723.	5.2	18
13	Synthesis and application of a novel cardanol-based plasticizer as secondary or main plasticizer for poly(vinyl chloride). Polymer International, 2018, 67, 269-275.	3.1	17
14	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
15	A renewable tung oil-derived nitrile rubber and its potential use in epoxy-toughening modifiers. RSC Advances, 2019, 9, 25880-25889.	3.6	14
16	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
17	Diphenolic Acid-Derived Hyperbranched Epoxy Thermosets with High Mechanical Strength and Toughness. ACS Omega, 2021, 6, 34142-34149.	3.5	3