

Jie Chen

List of Publications by Year in descending order

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17
papers

580
citations

623734

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h-index

888059

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all docs

17
docs citations

17
times ranked

370
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Tung Oil-Derived Epoxy Vitrimers with High Mechanical Strength, Toughness, and Excellent Recyclability. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9829-9840. | 6.7 | 14 |
| 2 | Toughening epoxy resin by constructing H-bond interaction between a tung oil-based modifier and epoxy. <i>Industrial Crops and Products</i> , 2021, 170, 113723. | 5.2 | 18 |
| 3 | Diphenolic Acid-Derived Hyperbranched Epoxy Thermosets with High Mechanical Strength and Toughness. <i>ACS Omega</i> , 2021, 6, 34142-34149. | 3.5 | 3 |
| 4 | A hyperbranched polymer from tung oil for the modification of epoxy thermoset with simultaneous improvement in toughness and strength. <i>New Journal of Chemistry</i> , 2020, 44, 16856-16863. | 2.8 | 15 |
| 5 | Synthesis of a Novel Bio-Oil-Based Hyperbranched Ester Plasticizer and Its Effects on Poly(vinyl Tj ETQq1 1 0.784314.rgBT /Overlock 10 | 3.5 | 26 |
| 6 | A renewable tung oil-derived nitrile rubber and its potential use in epoxy-toughening modifiers. <i>RSC Advances</i> , 2019, 9, 25880-25889. | 3.6 | 14 |
| 7 | Tung Oil-Based Modifier Toughening Epoxy Resin by Sacrificial Bonds. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17344-17353. | 6.7 | 68 |
| 8 | Fabrication of a highly tough, strong, and stiff carbon nanotube/epoxy conductive composite with an ultralow percolation threshold via self-assembly. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15731-15740. | 10.3 | 41 |
| 9 | Epoxidized castor oil-based diglycidyl ether phthalate plasticizer: Synthesis and thermal stabilizing effects on poly(vinyl chloride). <i>Journal of Applied Polymer Science</i> , 2019, 136, 47142. | 2.6 | 30 |
| 10 | Synthesis and application of a novel cardanol-based plasticizer as secondary or main plasticizer for poly(vinyl chloride). <i>Polymer International</i> , 2018, 67, 269-275. | 3.1 | 17 |
| 11 | Plasticizers derived from cardanol: synthesis and plasticization properties for polyvinyl chloride(PVC). <i>Journal of Polymer Research</i> , 2018, 25, 1. | 2.4 | 27 |
| 12 | Synthesis and application of a novel environmental C26 diglycidyl ester plasticizer based on castor oil for poly(vinyl chloride). <i>Journal of Materials Science</i> , 2018, 53, 8909-8920. | 3.7 | 23 |
| 13 | Synthesis of Tung-Oil-Based Triglycidyl Ester Plasticizer and Its Effects on Poly(vinyl chloride) Soft Films. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 642-651. | 6.7 | 60 |
| 14 | Synthesis and application of environmental soybean oil-based epoxidized glycidyl ester plasticizer for poly(vinyl chloride). <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1600216. | 1.5 | 25 |
| 15 | Synthesis and application of a novel environmental plasticizer based on cardanol for poly(vinyl Tj ETQq1 1 0.784314.rgBT /Overlock 10 | 5.3 | 47 |
| 16 | Thermal behavior of epoxidized cardanol diethyl phosphate as novel renewable plasticizer for poly(vinyl chloride). <i>Polymer Degradation and Stability</i> , 2016, 126, 58-64. | 5.8 | 48 |
| 17 | A novel biobased plasticizer of epoxidized cardanol glycidyl ether: synthesis and application in soft poly(vinyl chloride) films. <i>RSC Advances</i> , 2015, 5, 56171-56180. | 3.6 | 104 |