# Jing Sun

## List of Publications by Citations



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| 88 papers | 1,461 citations | 23 h-index | 32 g-index |
| 90 ext. papers | 1,866 ext. citations | 5.4 avg, IF | 4.99 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 88 | Occurrences of pharmaceuticals in drinking water sources of major river watersheds, China. *Ecotoxicology and Environmental Safety*, **2015**, 117, 132-40 | 7 | 92 |
| 87 | Enhanced Stability of Pd/ZnO Catalyst for CO Oxidative Coupling to Dimethyl Oxalate: Effect of Mg2+ Doping. *ACS Catalysis*, **2015**, 5, 4410-4417 | 13.1 | 60 |
| 86 | Postpolymerization of Functional Organosiloxanes: An Efficient Strategy for Preparation of Low-k Material with Enhanced Thermostability and Mechanical Properties. *Macromolecules*, **2014**, 47, 6311-6315 | 5.5 | 56 |
| 85 | Benzocyclobutene-functionalized poly(m-phenylene): A novel polymer with low dielectric constant and high thermostability. *Polymer*, **2014**, 55, 3628-3633 | 3.9 | 47 |
| 84 | Fluorinated and Thermo-Cross-Linked Polyhedral Oligomeric Silsesquioxanes: New Organic-Inorganic Hybrid Materials for High-Performance Dielectric Application. *ACS Applied Materials & Interfaces*, **2017**, 9, 12782-12790 | 9.5 | 46 |
| 83 | A New Fluorinated Polysiloxane with Good Optical Properties and Low Dielectric Constant at High Frequency Based on Easily Available Tetraethoxysilane (TEOS). *Macromolecules*, **2017**, 50, 9394-9402 | 5.5 | 46 |
| 82 | Asymmetric total synthesis of mycoleptodiscin A. *Angewandte Chemie - International Edition*, **2015**, 54, 6878-82 | 16.4 | 42 |
| 81 | A novel one-pot synthesized organosiloxane: synthesis and conversion to directly thermo-crosslinked polysiloxanes with low dielectric constants and excellent thermostability. *Polymer Chemistry*, **2015**, 6, 5984-5988 | 4.9 | 39 |
| 80 | Postpolymerization of a fluorinated and reactive poly(aryl ether): an efficient way to balance the solubility and solvent resistance of the polymer. *ACS Applied Materials & Interfaces*, **2014**, 6, 20437-43 | 8.5 | 37 |
| 79 | Light-Switchable Single-Walled Carbon Nanotubes Based on Host□Guest Chemistry. *Advanced Functional Materials*, **2013**, 23, 5010-5018 | 15.6 | 36 |
| 78 | Conversion of a Biorenewable Plant Oil (Anethole) to a New Fluoropolymer with Both Low Dielectric Constant and Low Water Uptake. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 4451-4456 | 8.3 | 35 |
| 77 | Sustainable alternative to bisphenol A epoxy resin: high-performance recyclable epoxy vitrimers derived from protocatechuic acid. *Polymer Chemistry*, **2020**, 11, 4500-4506 | 4.9 | 34 |
| 76 | Facile conversion of plant oil (anethole) to a high-performance material. *Polymer Chemistry*, **2017**, 8, 2010-2015 | 4.9 | 30 |
| 75 | New Triazine-Based Polymers with Low Dielectric Constants and High Thermostability Derived from Biorenewable Anethole and Thermocrosslinkable Benzocyclobutene. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 5620-5626 | 8.3 | 30 |
| 74 | Low Dielectric Fluorinated Polynorbornene with Good Thermostability and Transparency Derived from a Biobased Allylphenol (Eugenol). *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 4078-4086 | 8.3 | 29 |
| 73 | A Low-Dielectric Polymer Derived from a Biorenewable Phenol (Eugenol). *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 13518-13523 | 8.3 | 28 |
| 72 | High Performance Polymer Derived from a Biorenewable Plant Oil (Anethole). *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 2578-2584 | 8.3 | 27 |

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| 71 | A novel inorganic–organic hybrid for detection of nitrite anions with extremely high sensitivity and selectivity. *Journal of Materials Chemistry*, **2012**, 22, 16742 | | 27 |
| 70 | A new fluoropolymer having triazine rings as a dielectric material: synthesis and properties. *Polymer Chemistry*, **2017**, 8, 6173-6180 | 4.9 | 26 |
| 69 | New Fluoropolymers Having Both Low Water Uptake and a Low Dielectric Constant. *Macromolecular Chemistry and Physics*, **2015**, 216, 2302-2308 | 2.6 | 26 |
| 68 | Benzocyclobutene resin with fluorene backbone: a novel thermosetting material with high thermostability and low dielectric constant. *RSC Advances*, **2014**, 4, 39884-39888 | 3.7 | 25 |
| 67 | Perfluorocyclobutyl-based polymers for functional materials. *Materials Chemistry Frontiers*, **2019**, 3, 1280-1301 | 7.1 | 24 |
| 66 | Biodegradable thermal- and redox-responsive poly(L-glutamate) with Y-shaped oligo(ethylene glycol) side-chain and tunable phase transition temperature. *RSC Advances*, **2016**, 6, 70243-70250 | 3.7 | 24 |
| 65 | Fluoro-containing Polysiloxane Thermoset with Good Thermostability and Acid Resistance Based on the Renewable Multifunctional Vanillin. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 7304-7311 | 8.3 | 23 |
| 64 | Phosphorus- and Sulfur-Containing High-Refractive-Index Polymers with High Tg and Transparency Derived from a Bio-Based Aldehyde. *Macromolecules*, **2020**, 53, 125-131 | 5.5 | 23 |
| 63 | Intrinsic High Refractive Index Siloxane–Sulfide Polymer Networks Having High Thermostability and Transmittance via Thiol–Ene Cross-Linking Reaction. *Macromolecules*, **2018**, 51, 7567-7573 | 5.5 | 23 |
| 62 | An X-shaped π-conjugated polymer comprising of fluorene units and anthracene units with high efficiency. Synthesis and optical and electrochemical properties. *Journal of Polymer Science Part A*, **2008**, 46, 5616-5625 | 2.5 | 22 |
| 61 | s-Triazine-based functional monomers with thermocrosslinkable propargyl units: Synthesis and conversion to the heat-resistant polymers. *Polymer*, **2016**, 102, 301-307 | 3.9 | 21 |
| 60 | Gel–Sol Transition of Vanillin-Based Polyimine Vitrimers: Imparting Vitrimers with Extra Welding and Self-Healing Abilities. *ACS Applied Polymer Materials*, **2020**, 2, 295-303 | 4.3 | 20 |
| 59 | High-Performance Polyimides with High Tg and Excellent Dimensional Stability at High Temperature Prepared via a Cooperative Action of Hydrogen-Bond Interaction and Cross-Linking Reaction. *ACS Applied Polymer Materials*, **2019**, 1, 2099-2107 | 4.3 | 19 |
| 58 | Active Pd(II) complexes: enhancing catalytic activity by ligand effect for carbonylation of methyl nitrite to dimethyl carbonate. *Catalysis Science and Technology*, **2017**, 7, 3785-3790 | 5.5 | 19 |
| 57 | Post-functionalization of novolac resins by introducing thermo-crosslinkable –OCFCF2 groups as the side chains: a new strategy for production of thermosetting polymers without releasing volatiles. *Polymer Chemistry*, **2016**, 7, 4313-4316 | 4.9 | 17 |
| 56 | Variable Polymer Properties Driven by Substituent Groups: Investigation on a Trifluorovinylether-Functionalized Polyfluorene at the C-9 Position. *Macromolecular Chemistry and Physics*, **2015**, 216, 742-748 | 2.6 | 17 |
| 55 | Alkyl side chain driven tunable red–yellow–green emission: Investigation on the new π-conjugated polymers comprising of 2,7-carbazole unit and 2,1,3-benzo-thiadiazole units with different side chains. *Journal of Polymer Science Part A*, **2008**, 46, 1376-1387 | 2.5 | 17 |
| 54 | Biobased Anethole-Functionalized Poly(phenylene oxides): New Low Dielectric Materials with High Tg and Good Dimensional Stability. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 9277-9282 | 8.3 | 16 |

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| 53 | Biomass materials derived from anethole: conversion and application. *Polymer Chemistry*, **2020**, 11, 954-963 | 4.9 | 16 |
| 52 | A facile conversion of a bio-based resveratrol to the high-performance polymer with high Tg and high char yield. *Polymer*, **2020**, 200, 122570 | 3.9 | 14 |
| 51 | Graft Copolymerization of Methyl Methacrylate onto Silk Sericin Initiated by Ceric Ammonium Nitrate. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2006**, 43, 899-907 | 2.2 | 14 |
| 50 | Graft copolymerization of methyl acrylate onto silk sericin initiated by tert-butyl hydroperoxide. *Polymer International*, **2006**, 55, 1350-1354 | 3.3 | 14 |
| 49 | Cross-Linkable Fluorinated Polynorbornene with High Thermostability and Low Dielectric Constant at High Frequency. *ACS Applied Polymer Materials*, **2020**, 2, 768-774 | 4.3 | 14 |
| 48 | Dendrimeric organosiloxane with thermopolymerizable DCFCF2 groups as the arms: synthesis and transformation to the polymer with both ultra-low k and low water uptake. *Polymer Chemistry*, **2016**, 7, 3378-3382 | 4.9 | 14 |
| 47 | High performance low dielectric polysiloxanes with high thermostability and low water uptake. *Materials Chemistry Frontiers*, **2018**, 2, 1397-1402 | 7.8 | 13 |
| 46 | Low Dielectric Polymers with High Thermostability Derived from Biobased Vanillin. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 15013-15019 | 8.3 | 12 |
| 45 | A Fluorinated Thermocrosslinkable Organosiloxane: A New Low-k Material at High Frequency with Low Water Uptake. *Macromolecular Rapid Communications*, **2021**, 42, e2000600 | 4.8 | 12 |
| 44 | A Novel Thermo-Polymerizable Aromatic Diamine: Synthesis and Application in Enhancement of the Properties of Conventional Polyimides. *Macromolecular Chemistry and Physics*, **2016**, 217, 856-862 | 2.6 | 11 |
| 43 | Asymmetric Total Synthesis of Mycoleptodiscin A. *Angewandte Chemie*, **2015**, 127, 6982-6986 | 3.6 | 11 |
| 42 | Efficient Improvement of Fluorescence Quantum Yield of Fluoreneethynylene-Based Polymers by Introducing a Perfluoroalkylbenzene Unit to the Polymers. *Macromolecular Rapid Communications*, **2007**, 28, 772-779 | 4.8 | 11 |
| 41 | CO direct esterification to dimethyl oxalate and dimethyl carbonate: the key functional motifs for catalytic selectivity. *Nanoscale*, **2020**, 12, 20131-20140 | 7.7 | 11 |
| 40 | A new glass-forming molecule having a fluorene skeleton: synthesis and conversion to the polymer with a low dielectric constant, high hydrophobicity and thermostability. *Polymer Chemistry*, **2016**, 7, 5925-5929 | 4.9 | 11 |
| 39 | A Bio-Based Allylphenol (Eugenol)-Functionalized Fluorinated Maleimide with Low Dielectric Constant and Low Water Uptake. *Macromolecular Chemistry and Physics*, **2018**, 219, 1800252 | 2.6 | 11 |
| 38 | High Performance Low Dielectric Constant Polymer with Good Film-Forming Ability Developed from Renewable Plant Oil (Anethole). *Macromolecular Chemistry and Physics*, **2018**, 219, 1800133 | 2.6 | 11 |
| 37 | New Colorless and Transparent Poly(ether imide) Derived from a Biobased Plant Oil (Anethole): Synthesis and Properties. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 11728-11734 | 8.3 | 10 |
| 36 | Propargyl ether-functionalized poly(m-phenylene): a new precursor for the preparation of polymers with high modulus and high Tg. *RSC Advances*, **2015**, 5, 23009-23014 | 3.7 | 10 |

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| 35 | Temperature-Switching During Irradiation as a Test for ELDRS in Linear Bipolar Devices. *IEEE Transactions on Nuclear Science*, **2019**, 66, 199-206 | 1.7 | 10 |
| 34 | Biobased Anethole/Polyacrylate Cross-Linked Materials with Good Transparency and High Thermostability. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 3575-3579 | 8.3 | 9 |
| 33 | A new polymer with low dielectric constant based on trifluoromethyl-substituted arene: preparation and properties. *RSC Advances*, **2014**, 4, 40782-40787 | 3.7 | 9 |
| 32 | Understanding how intrinsic micro-pores affect the dielectric properties of polymers: an approach to synthesize ultra-low dielectric polymers with bulky tetrahedral units as cores. *Polymer Chemistry*, **2020**, 11, 2674-2680 | 4.9 | 8 |
| 31 | Zn stabilized Pd clusters with enhanced covalent metal-support interaction via the formation of Pd-Zn bonds to promote catalytic thermal stability. *Nanoscale*, **2020**, 12, 14825-14830 | 7.7 | 8 |
| 30 | A spiro-centered thermopolymerizable fluorinated macromonomer: synthesis and conversion to the high performance polymer. *RSC Advances*, **2017**, 7, 18861-18866 | 3.7 | 8 |
| 29 | A New Four-Arm Organosiloxane with Thermopolymerizable Trifluorovinyl ether Groups: Synthesis and Conversion to the Polymer with both Low Dielectric Constant and Low Water Uptake. *Macromolecular Chemistry and Physics*, **2017**, 218, 1700010 | 2.6 | 6 |
| 28 | Facile synthesis of ternary homogeneous ZnS1−xSex nanosheets with tunable bandgaps. *CrystEngComm*, **2014**, 16, 6823-6826 | 3.3 | 6 |
| 27 | Comparative Study of Factor Xa Inhibitors Using Molecular Docking/SVM/HQSAR/3D-QSAR Methods. *QSAR and Combinatorial Science*, **2006**, 25, 25-45 | | 6 |
| 26 | The bio-based phthalocyanine resins with high Tg and high char yield derived from vanillin. *Polymer*, **2021**, 224, 123723 | 3.9 | 6 |
| 25 | A novel post-polymerizable polynorbornene prepared via ROMP: easy synthesis and conversion into a free-standing film with high Tg and low dielectric constant. *Materials Chemistry Frontiers*, **2018**, 2, 1467-1474 | 7.8 | 6 |
| 24 | A fluoropolymer with a low dielectric constant at a high frequency derived from bio-based anethole. *Polymer Chemistry*, **2021**, 12, 4501-4507 | 4.9 | 6 |
| 23 | Resveratrol-Based Fluorinated Materials with High Thermostability and Good Dielectric Properties at High Frequency. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 16905-16911 | 8.3 | 5 |
| 22 | An effective strategy for the preparation of intrinsic low-k and ultralow-loss dielectric polysiloxanes at high frequency by introducing trifluoromethyl groups into the polymers. *Polymer Chemistry*, **2020**, 11, 6163-6170 | 4.9 | 5 |
| 21 | Building Block Symmetry Relegation Induces Mesopore and Abundant Open-Metal Sites in Metal–Organic Frameworks for Cancer Therapy. *CCS Chemistry*,1048-1058 | 7.2 | 5 |
| 20 | Boosting Interfacial Electron Transfer between Pd and ZnTi-LDH via Defect Induction for Enhanced Metal-Support Interaction in CO Direct Esterification Reaction. *ACS Applied Materials & Interfaces*, **2021**, 13, 24856-24864 | 9.5 | 5 |
| 19 | A bio-based low dielectric material at a high frequency derived from resveratrol. *Polymer Chemistry*, **2021**, 12, 402-407 | 4.9 | 5 |
| 18 | Study of the influence of gamma irradiation on long-term reliability of SiC MOSFET. *Radiation Effects and Defects in Solids*, **2020**, 175, 559-566 | 0.9 | 3 |

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| 17 | Low-Dielectric Polymers Derived From Biomass. *ACS Applied Polymer Materials*, **2021**, 3, 2835-2848 | 4.3 | 3 |
| 16 | A biobased low dielectric resin derived from vanillin and guaiacol. *Polymer Chemistry*, **2021**, 12, 766-770 | 4.9 | 3 |
| 15 | New organic□inorganic hybrid materials: high refractive index polymers based on cyclotriphophazene with high thermostability and transparency. *Materials Chemistry Frontiers*, **2021**, 5, 5826-5832 | 7.8 | 3 |
| 14 | A highly heat-resistant phthalocyanine resin based on a bio-based anethole. *European Polymer Journal*, **2021**, 157, 110645 | 5.2 | 3 |
| 13 | Using a Temperature-Switching Approach to Evaluate Low-Dose-Rate Ionizing Radiation Effects on SET in Linear Bipolar Circuits. *IEEE Transactions on Nuclear Science*, **2019**, 66, 1557-1565 | 1.7 | 2 |
| 12 | Radiation Effects and Mechanisms on Switching Characteristics of Silicon Carbide Power MOSFETs. *Journal of Nanoelectronics and Optoelectronics*, **2021**, 16, 1423-1429 | 1.3 | 2 |
| 11 | Tuning the Structure and Hydrolysis Stability of Calcium Metal□Organic Frameworks through Integrating Carboxylic/Phosphinic/Phosphonic Groups in Building Blocks. *Crystal Growth and Design*, **2020**, 20, 8021-8027 | 3.5 | 2 |
| 10 | Fluorinated Benzocyclobutene-Based Low-k Polymer at High Frequency. *ACS Applied Polymer Materials*, **2022**, 4, 842-848 | 4.3 | 1 |
| 9 | A fluorinated low dielectric polymer at high frequency derived from allylphenol and benzocyclobutene by a facile route. *European Polymer Journal*, **2022**, 163, 110943 | 5.2 | 1 |
| 8 | Oxygen Vacancy in CeO2 Facilitate the Catalytic Activity of Pd/CeO2 for CO Direct Esterification to Dimethyl Oxalate. *Catalysis Letters*,1 | 2.8 | 1 |
| 7 | Contribution of Hydrogen Bond Nanoarchitectonics to Switchable Photo-Thermal-Mechanical Properties of Bio-inorganic Fibers. *CCS Chemistry*,1-21 | 7.2 | 1 |
| 6 | Simulation of Synergism Effect Using Temperature Switching Irradiation on Bipolar Comparator. *Chinese Physics Letters*, **2018**, 35, 088401 | 1.8 | |
| 5 | Smart Nanotubes: Light-Switchable Single-Walled Carbon Nanotubes Based on Host□Guest Chemistry (Adv. Funct. Mater. 40/2013). *Advanced Functional Materials*, **2013**, 23, 5009-5009 | 15.6 | |
| 4 | Macromol. Chem. Phys. 7/2015. *Macromolecular Chemistry and Physics*, **2015**, 216, 812-812 | 2.6 | |
| 3 | Discovery of anti-SARS coronavirus drug based on molecular docking and database screening. *Chinese Journal of Chemistry*, **2004**, 22, 882-887 | 4.9 | |
| 2 | Influence of enhanced low dose rate sensitivity on single-event transient degradation in the LM158 bipolar operational amplifier. *AIP Advances*, **2021**, 11, 055311 | 1.5 | |
| 1 | Macromol. Chem. Phys. 7/2016. *Macromolecular Chemistry and Physics*, **2016**, 217, 924-924 | 2.6 | |