

Yi Wei

List of Publications by Year in descending order

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39
papers

2,378
citations

304743

22
h-index

302126

39
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all docs

39
docs citations

39
times ranked

1868
citing authors

#	ARTICLE	IF	CITATIONS
1	Vanillin-Based Epoxy Vitriimer with High Performance and Closed-Loop Recyclability. <i>Macromolecules</i> , 2020, 53, 621-630.	4.8	220
2	Sequential Visible-Light Photoactivation and Palladium Catalysis Enabling Enantioselective [4+2] Cycloadditions. <i>Journal of the American Chemical Society</i> , 2017, 139, 14707-14713.	13.7	213
3	Bifunctional Photocatalysts for Enantioselective Aerobic Oxidation of β^2 -Ketoesters. <i>Journal of the American Chemical Society</i> , 2017, 139, 63-66.	13.7	207
4	Enantioselective Trapping of Pd-Containing 1,5-Dipoles by Photogenerated Ketenes: Access to 7-Membered Lactones Bearing Chiral Quaternary Stereocenters. <i>Journal of the American Chemical Society</i> , 2019, 141, 133-137.	13.7	182
5	Asymmetric Propargylic Radical Cyanation Enabled by Dual Organophotoredox and Copper Catalysis. <i>Journal of the American Chemical Society</i> , 2019, 141, 6167-6172.	13.7	174
6	P,S α ...Ligands for the Asymmetric Construction of Quaternary Stereocenters in Palladium-Catalyzed Decarboxylative [4+2] Cycloadditions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2200-2204.	13.8	158
7	Asymmetric trapping of zwitterionic intermediates by sulphur ylides in a palladium-catalysed decarboxylation-cycloaddition sequence. <i>Nature Communications</i> , 2014, 5, 5500.	12.8	152
8	An imine-containing epoxy vitriimer with versatile recyclability and its application in fully recyclable carbon fiber reinforced composites. <i>Composites Science and Technology</i> , 2020, 199, 108314.	7.8	125
9	Visible-Light-Driven Organic Photochemical Reactions in the Absence of External Photocatalysts. <i>Synthesis</i> , 2019, 51, 3021-3054.	2.3	110
10	Microstructure evolution and mechanical properties of an AA6061/AZ31B alloy plate fabricated by explosive welding. <i>Journal of Alloys and Compounds</i> , 2018, 735, 1759-1768.	5.5	96
11	Influence of graphene oxide with different oxidation levels on the properties of epoxy composites. <i>Composites Science and Technology</i> , 2018, 161, 74-84.	7.8	91
12	Recyclable and reformable epoxy resins based on dynamic covalent bonds – Present, past, and future. <i>Polymer Testing</i> , 2022, 105, 107420.	4.8	54
13	Effect of polymer nanoparticle morphology on fracture toughness enhancement of carbon fiber reinforced epoxy composites. <i>Composites Part B: Engineering</i> , 2022, 234, 109749.	12.0	47
14	Welding and reprocessing of disulfide-containing thermoset epoxy resin exhibiting behavior reminiscent of a thermoplastic. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49541.	2.6	42
15	P,S α ...Ligands for the Asymmetric Construction of Quaternary Stereocenters in Palladium-Catalyzed Decarboxylative [4+2] Cycloadditions. <i>Angewandte Chemie</i> , 2016, 128, 2240-2244.	2.0	40
16	A novel liquid imidazole-copper (II) complex as a thermal latent curing agent for epoxy resins. <i>Polymer</i> , 2019, 178, 121586.	3.8	39
17	Comparative Genomic Analysis of <i>Citrobacter</i> and Key Genes Essential for the Pathogenicity of <i>Citrobacter koseri</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 2774.	3.5	32
18	Impressive epoxy toughening by a structure-engineered core/shell polymer nanoparticle. <i>Composites Science and Technology</i> , 2020, 199, 108364.	7.8	32

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19	Catalyst-Controlled Regioselective Acylation of $\hat{\text{I}}^2$ -Ketoesters with $\hat{\text{I}}^{\pm}$ -Diazo Ketones Induced by Visible Light. <i>Organic Letters</i> , 2018, 20, 7278-7282.	4.6	31
20	Tailoring Broad-Band-Absorbed Thermoplasmonic 1D Nanochains for Smart Windows with Adaptive Solar Modulation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 5634-5644.	8.0	27
21	Interlaminar Fracture Toughness of Carbon-Fiber-Reinforced Epoxy Composites Toughened by Poly(phenylene oxide) Particles. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3114-3121.	4.4	26
22	Effects of Styrene-Acrylic Sizing on the Mechanical Properties of Carbon Fiber Thermoplastic Towpregs and Their Composites. <i>Molecules</i> , 2018, 23, 547.	3.8	25
23	Comparative Genomic Analysis Reveals Genetic Mechanisms of the Variety of Pathogenicity, Antibiotic Resistance, and Environmental Adaptation of <i>Providencia</i> Genus. <i>Frontiers in Microbiology</i> , 2020, 11, 572642.	3.5	24
24	A One-Component, Fast-Cure, and Economical Epoxy Resin System Suitable for Liquid Molding of Automotive Composite Parts. <i>Materials</i> , 2018, 11, 685.	2.9	22
25	A Comprehensive Study on the Mechanical Properties of Different 3D Woven Carbon Fiber-Epoxy Composites. <i>Materials</i> , 2020, 13, 2765.	2.9	22
26	Correlating the thermomechanical properties of a novel bio-based epoxy vitrimer with its crosslink density. <i>Materials Today Communications</i> , 2021, 29, 102814.	1.9	22
27	A Comparative Study on Interlaminar Properties of L-shaped Two-Dimensional (2D) and Three-Dimensional (3D) Woven Composites. <i>Applied Composite Materials</i> , 2019, 26, 723-744.	2.5	21
28	Development of rapid and simple experimental and <i>in silico</i> serotyping systems for <i>Citrobacter</i> . <i>Future Microbiology</i> , 2018, 13, 1511-1522.	2.0	20
29	Solar transparent radiators based on in-plane worm-like assemblies of metal nanoparticles. <i>Solar Energy Materials and Solar Cells</i> , 2021, 219, 110796.	6.2	19
30	A Quercetin-Derived Polybasic Acid Hardener for Reprocessable and Degradable Epoxy Resins Based on Transesterification. <i>ACS Applied Polymer Materials</i> , 2022, 4, 5708-5716.	4.4	19
31	Review of reversible dynamic bonds containing intrinsically flame retardant biomass thermosets. <i>European Polymer Journal</i> , 2022, 173, 111263.	5.4	18
32	The Failure Mechanism of Composite Stiffener Components Reinforced with 3D Woven Fabrics. <i>Materials</i> , 2019, 12, 2221.	2.9	16
33	Review on intrinsically recyclable flame retardant thermosets enabled through covalent bonds. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	14
34	Reprocessable, Reworkable, and Mechanochromic Polyhexahydrotriazine Thermoset with Multiple Stimulus Responsiveness. <i>Polymers</i> , 2020, 12, 2375.	4.5	12
35	Identifying genetic diversity of O antigens in <i>Aeromonas hydrophila</i> for molecular serotype detection. <i>PLoS ONE</i> , 2018, 13, e0203445.	2.5	8
36	Building effective core/shell polymer nanoparticles for epoxy composite toughening based on Hansen solubility parameters. <i>Nanotechnology Reviews</i> , 2021, 10, 1183-1196.	5.8	6

#	ARTICLE	IF	CITATIONS
37	Hierarchical assembly of silver and gold nanoparticles in two-dimension: Toward fluorescence enhanced detection platforms. <i>Applied Surface Science</i> , 2019, 476, 1072-1078.	6.1	5
38	Genomics and Experimental Analysis Reveal a Novel Factor Contributing to the Virulence of <i>Cronobacter sakazakii</i> Strains Associated With Neonate Infection. <i>Journal of Infectious Diseases</i> , 2019, 220, 306-315.	4.0	5
39	A thermal latent imidazole complex containing copper (II) as the curing agent for an epoxy-based glass fiber composite. <i>Textile Reseach Journal</i> , 2022, 92, 1867-1875.	2.2	2