Alice Mija

List of Publications by Year
in descending order

68 papers	2,257 citations	201658 27 h-index	233409 45 g-index
69 all docs	69 docs citations	69 times ranked	2047 citing authors

#	Article	IF	Citations
1	Integral, differential and advanced isoconversional methods. Chemometrics and Intelligent Laboratory Systems, 2009, 96, 219-226.	3.5	190
2	Eco-friendly composite resins based on renewable biomass resources: Polyfurfuryl alcohol/lignin thermosets. European Polymer Journal, 2010, 46, 1016-1023.	5.4	138
3	Chemorheological analysis and model-free kinetics of acid catalysed furfuryl alcohol polymerization. Physical Chemistry Chemical Physics, 2007, 9, 5359.	2.8	115
4	Sustainable Series of New Epoxidized Vegetable Oil-Based Thermosets with Chemical Recycling Properties. Biomacromolecules, 2020, 21, 3923-3935.	5.4	95
5	Valorization of Biorefinery Side-Stream Products: Combination of Humins with Polyfurfuryl Alcohol for Composite Elaboration. ACS Sustainable Chemistry and Engineering, 2014, 2, 2182-2190.	6.7	85
6	Cure kinetics of a liquid-crystalline epoxy resin studied by non-isothermal data. Polymer Testing, 2004, 23, 209-215.	4.8	84
7	From Epoxidized Linseed Oil to Bioresin: An Overall Approach of Epoxy/Anhydride Crossâ€Linking. ChemSusChem, 2015, 8, 1232-1243.	6.8	79
8	Hybrid Nanocomposites: Advanced Nonlinear Method for Calculating Key Kinetic Parameters of Complex Cure Kinetics. Journal of Physical Chemistry B, 2010, 114, 12480-12487.	2.6	77
9	New insights on the thermal degradation pathways of neat poly(furfuryl alcohol) and poly(furfuryl) Tj ETQq1 1 0.784314 rgBT /Overlock	5.8	70
10	Keratin Associations with Synthetic, Biosynthetic and Natural Polymers: An Extensive Review. Polymers, 2020, 12, 32.	4.5	66
11	Green material composites from renewable resources: Polymorphic transitions and phase diagram of beeswax/rosin resin. Thermochimica Acta, 2011, 521, 90-97.	2.7	63
12	Humins as promising material for producing sustainable carbohydrate-derived building materials. Construction and Building Materials, 2017, 139, 594-601.	7.2	60
13	Recyclable, Repairable, and Reshapable (3R) Thermoset Materials with Shape Memory Properties from Bio-Based Epoxidized Vegetable Oils. ACS Applied Bio Materials, 2020, 3, 8094-8104.	4.6	56
14	Enhancing the Recyclability of a Vegetable Oil-Based Epoxy Thermoset through Initiator Influence. ACS Sustainable Chemistry and Engineering, 2020, 8, 7690-7700.	6.7	52
15	Chemical Reactivity and the Influence of Initiators on the Epoxidized Vegetable Oil/Dicarboxylic Acid System. Macromolecules, 2020, 53, 2526-2538.	4.8	51
16	Innovative green nanocomposites based on silicate clays/lignin/natural fibres. Composites Science and Technology, 2009, 69, 1979-1984.	7.8	50
17	Epoxyâ€"Amine Based Nanocomposites Reinforced by Silica Nanoparticles. Relationships between Morphologic Aspects, Cure Kinetics, and Thermal Properties. Journal of Physical Chemistry C, 2011, 115, 22789-22795.	3.1	49
18	Effects of Incorporation of Organically Modified Montmorillonite on the Reaction Mechanism of Epoxy/Amine Cure. Journal of Physical Chemistry B, 2012, 116, 5786-5794.	2.6	48

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19	Copolymerization as a Strategy to Combine Epoxidized Linseed Oil and Furfuryl Alcohol: The Design of a Fully Bioâ€Based Thermoset. ChemSusChem, 2015, 8, 4149-4161.	6.8	40
20	Autoâ€Crosslinked Rigid Foams Derived from Biorefinery Byproducts. ChemSusChem, 2018, 11, 2797-2809.	6.8	39
21	Chemical and mechanical reprocessed resins and bio-composites based on five epoxidized vegetable oils thermosets reinforced with flax fibers or PLA woven. Composites Science and Technology, 2021, 205, 108678.	7.8	36
22	Sustainable access to fully biobased epoxidized vegetable oil thermoset materials prepared by thermal or UV-cationic processes. RSC Advances, 2020, 10, 41954-41966.	3.6	35
23	Green process to regenerate keratin from feathers with an aqueous deep eutectic solvent. RSC Advances, 2019, 9, 19720-19728.	3.6	33
24	Biobased furan-based epoxy/TiO2 nanocomposites for the preparation of coatings with improved chemical resistance. Chemical Engineering Journal, 2021, 406, 127107.	12.7	32
25	Complex Kinetic Pathway of Furfuryl Alcohol Polymerization Catalyzed by Green Montmorillonite Clays. Journal of Physical Chemistry B, 2012, 116, 8259-8268.	2.6	29
26	Building thermally and chemically reversible covalent bonds in vegetable oil based epoxy thermosets. Influence of epoxyâ€“hardener ratio in promoting recyclability. Materials Advances, 2020, 1, 1788-1798.	5.4	29
27	Molecular mobility and relaxation process of isolated lignin studied by multifrequency calorimetric experiments. Physical Chemistry Chemical Physics, 2009, 11, 1227.	2.8	27
28	Green approaches in the synthesis of furan-based diepoxy monomers. RSC Advances, 2018, 8, 16330-16335.	3.6	26
29	Fully bio-based reprocessable thermosetting resins based on epoxidized vegetable oils cured with itaconic acid. Industrial Crops and Products, 2022, 185, 115116.	5.2	26
30	Curing Behavior and Properties of Sustainable Furan-Based Epoxy/Anhydride Resins. Biomacromolecules, 2019, 20, 3831-3841.	5.4	25
31	Shear induced structuration of liquid crystalline epoxy thermosets. European Polymer Journal, 2010, 46, 1380-1387.	5.4	24
32	Cross-linked polyfuran networks with elastomeric behaviour based on humins biorefinery by-products. Green Chemistry, 2019, 21, 6277-6289.	9.0	23
33	Insights on Thermal and Fire Hazards of Humins in Support of Their Sustainable Use in Advanced Biorefineries. ACS Sustainable Chemistry and Engineering, 2018, 6, 16692-16701.	6.7	20
34	Dual Cross-linking of Epoxidized Linseed Oil with Combined Aliphatic/Aromatic Diacids Containing Dynamic Sâ€"S Bonds Generating Recyclable Thermosets. ACS Applied Bio Materials, 2020, 3, 7550-7561.	4.6	20
35	Monitoring the structureâ€“reactivity relationship in epoxidized perilla and safflower oil thermosetting resins. Polymer Chemistry, 2020, 11, 5088-5097.	3.9	20
36	Limonene dioxide as a building block for 100% bio-based thermosets. Green Chemistry, 2021, 23, 9855-9859.	9.0	20

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37	Liquid crystalline and isotropic epoxy thermosets: Mechanism and kinetics of non-isothermal degradation. Polymer Degradation and Stability, 2007, 92, 2051-2057.	5.8	19
38	Biorefinery Byproducts and Epoxy Biorenewable Monomers: A Structural Elucidation of Humins and Triglycidyl Ether of Phloroglucinol Cross-Linking. Biomacromolecules, 2020, 21, 517-533.	5.4	19
39	Anisotropic reinforcement of epoxy-based nanocomposites with aligned magnetiteâ€“sepiolite hybrid nanofiller. Composites Science and Technology, 2015, 112, 34-41.	7.8	18
40	Biomass derived epoxy systems: From reactivity to final properties. Materials Today Communications, 2019, 21, 100683.	1.9	17
41	High Glass Transition Materials from Sustainable Epoxy Resins with Potential Applications in the Aerospace and Space Sectors. ACS Applied Polymer Materials, 2022, 4, 3636-3646.	4.4	16
42	Preparation of polypropylene nanocomposites by meltâ€mixing: Comparison between three organoclays. Journal of Applied Polymer Science, 2017, 134, 45053.	2.6	15
43	One-Pot Terpolymerization Synthesis of High Carbon Biocontent Recyclable Epoxy Thermosets and Their Composites with Flax Woven Fibers. ACS Sustainable Chemistry and Engineering, 2021, 9, 8526-8538.	6.7	14
44	Influence of Keratin on Epoxidized Linseed Oil Curing and Thermoset Performances. ACS Sustainable Chemistry and Engineering, 2021, 9, 15641-15652.	6.7	14
45	Synthesis of Resins Using Epoxies and Humins as Building Blocks: A Mechanistic Study Based on In-Situ FT-IR and NMR Spectroscopies. Molecules, 2019, 24, 4110.	3.8	13
46	Kinetical Study, Thermo-Mechanical Characteristics and Recyclability of Epoxidized Camelina Oil Cured with Antagonist Structure (Aliphatic/Aromatic) or Functionality (Acid/Amine) Hardeners. Polymers, 2021, 13, 2503.	4.5	13
47	Synthesis and characterization of some epoxy resins bearing azomethine groups. European Polymer Journal, 1996, 32, 779-783.	5.4	12
48	Star-epoxy mesogen with 1,3,5-triazine core: a model of A₄B₃fractal polymerization in a liquid crystalline thermoset media. Polymer Chemistry, 2016, 7, 1221-1225.	3.9	12
49	Influence of the Presence of Disulphide Bonds in Aromatic or Aliphatic Dicarboxylic Acid Hardeners Used to Produce Reprocessable Epoxidized Thermosets. Polymers, 2021, 13, 534.	4.5	12
50	Hydrothermal Carbon as Reactive Fillers to Produce Sustainable Biocomposites with Aromatic Bio-Based Epoxy Resins. Polymers, 2021, 13, 240.	4.5	12
51	Structural Insights of Humins/Epoxidized Linseed Oil/ Hardener Terpolymerization. Polymers, 2020, 12, 1583.	4.5	11
52	Design of Sustainable Materials by Cross-linking a Biobased Epoxide with Keratin and Lignin. ACS Sustainable Chemistry and Engineering, 2020, 8, 6844-6852.	6.7	11
53	Structural, thermal, rheological and mechanical properties of polypropylene/graphene nanoplatelets composites: Effect of particle size and melt mixing conditions. Polymer Engineering and Science, 2018, 58, 1937-1944.	3.1	10
54	Self-organization of sepiolite fibbers in a biobased thermoset. Composites Science and Technology, 2019, 171, 226-233.	7.8	10

#	ARTICLE	IF	CITATIONS
55	Investigating the properties of humins foams, the porous carbonaceous materials derived from biorefinery by-products. Applied Materials Today, 2020, 20, 100622.	4.3	10
56	Reprocessable humins thermosets and composites. Composites Science and Technology, 2021, 207, 108655.	7.8	10
57	Vegetable Oil-Based Resins Reinforced with Spruce Bark Powder and with Its Hydrochar Lignocellulosic Biomass. Applied Sciences (Switzerland), 2021, 11, 10649.	2.5	10
58	Stereodynamic control of star-epoxy/anhydride crosslinking actuated by liquid-crystalline phase transitions. Soft Matter, 2017, 13, 1956-1965.	2.7	9
59	"BIO-BASED EPOXY RESINS AND COMPOSITES FROM EPOXIDIZED LINSEED OIL CROSSLINKED WITH DIFFERENT CYCLIC ANHYDRIDES AND THEIR COMBINATION WITH LIGNIN". Cellulose Chemistry and Technology, 2020, 54, 925-938.	1.2	9
60	Influence of the radial stem composition on the thermal behaviour of miscanthus and sorghum genotypes. Carbohydrate Polymers, 2017, 167, 12-19.	10.2	8
61	Thermal and dynamic mechanical characterization of miscanthus stem fragments: Effects of genotypes, positions along the stem and their relation with biochemical and structural characteristics. Industrial Crops and Products, 2020, 156, 112863.	5.2	5
62	Polyhydroxybutyrate Bioresins with High Thermal Stability by Cross-linking with Resorcinol Diglycidyl Ether. Biomacromolecules, 2020, 21, 3447-3458.	5.4	4
63	A Sustainable Approach on Spruce Bark Waste Valorization through Hydrothermal Conversion. Processes, 2022, 10, 111.	2.8	3
64	On the Influence of the cis/trans Stereochemistry of Limonene Oxides toward the Synthesis of Biobased Thermosets by Crosslinking with Anhydrides. ACS Sustainable Chemistry and Engineering, 2022, 10, 7169-7179.	6.7	3
65	Eco-friendly Optical Adhesives Based onVegetable Oil Thermosets. Journal of the Adhesion Society of Japan, 2015, 51, 279-285.	0.0	1
66	Physicoâ€Chemical Properties and Principal Component Analysis of Biobased Thermosets Developed with Different Batches of Industrial Humins. ChemPlusChem, 2022, 87, e202200067.	2.8	1
67	Humins as bio-based template for the synthesis of alumina foams. Molecular Catalysis, 2022, 526, 112363.	2.0	0
68	Cover Feature: Physicoâ€Chemical Properties and Principal Component Analysis of Biobased Thermosets Developed with Different Batches of Industrial Humins (ChemPlusChem 7/2022). ChemPlusChem, 2022, 87, .	2.8	0