

Biobased Amines: From Synthesis to Polymers; Present

Chemical Reviews

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Polymers from sugars: cyclic monomer synthesis, ring-opening polymerisation, material properties and applications. <i>Chemical Communications</i> , 2017, 53, 2198-2217.	2.2	114
2	Ru-Catalyzed Hydrogenation-Driven Decarbonylation of Amino Acids to Bio-based Primary Amines. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3290-3295.	3.2	41
3	Chemocatalytic Conversion of Cellulosic Biomass to Methyl Glycolate, Ethylene Glycol, and Ethanol. <i>ChemSusChem</i> , 2017, 10, 1390-1394.	3.6	73
4	A Mechanistic Insight into the Ligand-Controlled Asymmetric Arylation of Aliphatic α -Amino Anion Equivalents: Origin of Regio- and Enantioselectivities. <i>Inorganic Chemistry</i> , 2017, 56, 5984-5992.	1.9	6
5	Isohexide Dinitriles: A Versatile Family of Renewable Platform Chemicals. <i>ChemSusChem</i> , 2017, 10, 3202-3211.	3.6	14
6	Partially biobased processable polyimides based on aromatic diamine derived from cardanol. <i>Green Materials</i> , 2017, 5, 74-84.	1.1	12
7	One-pot synthesis of 2-hydroxymethyl-5-methylpyrazine from renewable 1,3-dihydroxyacetone. <i>Green Chemistry</i> , 2017, 19, 3515-3519.	4.6	17
8	Is water a suitable solvent for the catalytic amination of alcohols?. <i>Green Chemistry</i> , 2017, 19, 2839-2845.	4.6	40
9	Oxidative Transformations of Biosourced Alcohols Catalyzed by Earth-Abundant Transition Metals. <i>ChemCatChem</i> , 2017, 9, 2652-2660.	1.8	57
10	Rearrangement of Benzylic Trichloroacetimidates to Benzylic Trichloroacetamides. <i>Journal of Organic Chemistry</i> , 2017, 82, 3982-3989.	1.7	16
11	Removal of carcinogenic aromatic amines by metal hexacyanoferrates nanocubes synthesized via green process. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5298-5311.	3.3	43
12	Converting MOFs into amination catalysts. <i>Science</i> , 2017, 358, 304-305.	6.0	75
13	Effect of functionalized graphene oxide on gelation and scaling law of alginate in aqueous solution. <i>European Polymer Journal</i> , 2017, 95, 462-473.	2.6	9
14	Radical Alkylation of Imines with 4-Alkyl-1,4-dihydropyridines Enabled by Photoredox/Brønsted Acid Cocatalysis. <i>Journal of Organic Chemistry</i> , 2017, 82, 9995-10006.	1.7	83
15	Microwave-assisted solvent-free synthesis of novel benzoxazines: A faster and environmentally friendly route to the development of bio-based thermosetting resins. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3534-3544.	2.5	37
16	Bio-based amines through sustainable heterogeneous catalysis. <i>Green Chemistry</i> , 2017, 19, 5303-5331.	4.6	210
17	Polyamides based on a partially bio-based spirodiamine. <i>European Polymer Journal</i> , 2017, 96, 221-231.	2.6	15
18	Low-Temperature Reductive Aminolysis of Carbohydrates to Diamines and Aminoalcohols by Heterogeneous Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14540-14544.	7.2	47

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19	Low-temperature Reductive Aminolysis of Carbohydrates to Diamines and Aminoalcohols by Heterogeneous Catalysis. <i>Angewandte Chemie</i> , 2017, 129, 14732-14736.	1.6	11
20	Versatile CO-assisted direct reductive amination of 5-hydroxymethylfurfural catalyzed by a supported gold catalyst. <i>Green Chemistry</i> , 2017, 19, 3880-3887.	4.6	56
21	Durch sichtbares Licht vermittelte Deaminierung zur Erzeugung von Alkylradikalen. <i>Angewandte Chemie</i> , 2017, 129, 12505-12509.	1.6	82
22	Deaminative Strategy for the Visible-light-Mediated Generation of Alkyl Radicals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12336-12339.	7.2	295
23	Design and synthesis of biobased epoxy thermosets from biorenewable resources. <i>Comptes Rendus Chimie</i> , 2017, 20, 1006-1016.	0.2	57
24	A 3D Printable and Mechanically Robust Hydrogel Based on Alginate and Graphene Oxide. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41473-41481.	4.0	103
25	Biobased Heat Resistant Epoxy Resin with Extremely High Biomass Content from 2,5-Furandicarboxylic Acid and Eugenol. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7003-7011.	3.2	186
26	Interplay between crystallization and the Diels-Alder reaction in biobased multiblock copolyesters possessing dynamic covalent bonds. <i>Polymer Chemistry</i> , 2017, 8, 4280-4289.	1.9	24
27	Facile Chemical Access to Biologically Active Norcantharidin Derivatives from Biomass. <i>Molecules</i> , 2017, 22, 2210.	1.7	21
28	A Robust Oil-in-Oil Emulsion for the Nonaqueous Encapsulation of Hydrophilic Payloads. <i>Journal of the American Chemical Society</i> , 2018, 140, 3619-3625.	6.6	42
29	Bio-based Chiral Amines via Azide-Michael Additions to Levoglucosenone Under Aqueous Conditions. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2028-2038.	1.2	9
30	Single Additive Enables 3D Printing of Highly Loaded Iron Oxide Suspensions. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9873-9881.	4.0	35
31	Al-Doping Promoted Aerobic Amidation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxamide over Cryptomelane. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8048-8054.	3.2	29
32	Selective synthesis of 2,5-bis(aminomethyl)furan <i>via</i> enhancing the catalytic dehydration-hydrogenation of 2,5-diformylfuran dioxime. <i>Green Chemistry</i> , 2018, 20, 2697-2701.	4.6	35
33	One-pot synthesis of amines from biomass resources catalyzed by HReO ₄ . <i>Green Chemistry</i> , 2018, 20, 2494-2498.	4.6	28
34	Catalytic Reductive Aminolysis of Reducing Sugars: Elucidation of Reaction Mechanism. <i>ACS Catalysis</i> , 2018, 8, 4201-4212.	5.5	24
35	Highly enantioselective asymmetric reduction of aromatic ketimines promoted by chiral enantiomerically pure sulfoxides as organocatalysts. <i>Journal of Sulfur Chemistry</i> , 2018, 39, 380-387.	1.0	5
36	Temperature-directed Biocatalysis for the Sustainable Production of Aromatic Aldehydes or Alcohols. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1214-1217.	7.2	43

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37	Temperature-Directed Biocatalysis for the Sustainable Production of Aromatic Aldehydes or Alcohols. <i>Angewandte Chemie</i> , 2018, 130, 1228-1231.	1.6	7
38	Kinetics of homogeneous and heterogeneous reactions in the reductive aminolysis of glucose with dimethylamine. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 161-169.	10.8	12
39	Building and origin of bio-based bismaleimide resins with good processability, high thermal, and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45947.	1.3	13
40	Cobalt Nanoparticles Supported on Nitrogen-Doped Carbon: An Effective Non-Noble Metal Catalyst for the Upgrade of Biofuels. <i>ChemSusChem</i> , 2018, 11, 959-964.	3.6	53
41	Amino acid-cured bio-based epoxy resins and their biocomposites with chitin- and chitosan-nanofibers. <i>European Polymer Journal</i> , 2018, 98, 216-225.	2.6	30
42	Expedient Synthesis of <i>N</i> -Methyl- and <i>N</i> -Alkylamines by Reductive Amination using Reusable Cobalt Oxide Nanoparticles. <i>ChemCatChem</i> , 2018, 10, 1235-1240.	1.8	29
43	Naturally-Derived Amphiphilic Polystyrenes Prepared by Aqueous Controlled/Living Cationic Polymerization and Copolymerization of Vinylguaiacol with $\text{OH}^+\text{BF}_3\text{OEt}_2$. <i>Polymers</i> , 2018, 10, 1404.	2.0	10
44	Efficient nickel-catalysed <i>N</i> -alkylation of amines with alcohols. <i>Catalysis Science and Technology</i> , 2018, 8, 5498-5505.	2.1	49
45	Synthesis of a tyrosinase inhibitor by consecutive ethenolysis and cross-metathesis of crude cashew nutshell liquid. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2737-2744.	1.3	6
46	Characterization of a Putrescine Transaminase From <i>Pseudomonas putida</i> and its Application to the Synthesis of Benzylamine Derivatives. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 205.	2.0	11
47	Band-gap Narrowing of Highly Stable Heterogeneous $\text{ZrO}_2\text{-ZnO}$ Nanocomposites for the Reductive Amination of Carbonyl Compounds with $\text{HCO}_2\text{H}/\text{Et}_3\text{N}$. <i>ChemSusChem</i> , 2018, 12, 881-889.	3.6	18
48	Simple ruthenium-catalyzed reductive amination enables the synthesis of a broad range of primary amines. <i>Nature Communications</i> , 2018, 9, 4123.	5.8	132
49	Facile and rapid decarboxylation of glutamic acid to β -aminobutyric acid via microwave-assisted reaction: Towards valorisation of waste gluten. <i>Journal of Cleaner Production</i> , 2018, 205, 1102-1113.	4.6	21
50	Deaminative Borylation of Aliphatic Amines Enabled by Visible Light Excitation of an Electron Donor-Acceptor Complex. <i>Chemistry - A European Journal</i> , 2018, 24, 17210-17214.	1.7	195
51	Enantioselective synthesis of β -perfluoroalkylated prolines, their 6,7-membered homologues and derivatives. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7004-7011.	1.5	20
52	Solvent-Free Method for the Copolymerization of Labile Sugar-Derived Building Blocks into Polyamides. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13504-13517.	3.2	10
53	Valorization of Biomass Derived Terpene Compounds by Catalytic Amination. <i>Catalysts</i> , 2018, 8, 365.	1.6	14
54	Synthesis and characterization of copolyamides derived from novel aliphatic bio-based diamine. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46878.	1.3	11

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55	Structure-Property Relations in New Cyclic Galactaric Acid Derived Monomers and Polymers Therefrom: Possibilities and Challenges. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800077.	2.0	5
56	Carbon Dioxide-Mediated C(sp ³)-H Arylation of Amine Substrates. <i>Journal of the American Chemical Society</i> , 2018, 140, 6818-6822.	6.6	97
57	Bioproduction of Benzylamine from Renewable Feedstocks via a Nine-Step Artificial Enzyme Cascade and Engineered Metabolic Pathways. <i>ChemSusChem</i> , 2018, 11, 2221-2228.	3.6	28
58	Enzymatic Polymerization of Dimethyl 2,5-Furandicarboxylate and Heteroatom Diamines. <i>ACS Omega</i> , 2018, 3, 7077-7085.	1.6	46
59	Vanillin-derived amines for bio-based thermosets. <i>Green Chemistry</i> , 2018, 20, 4075-4084.	4.6	65
60	Ring-Opening Polymerization of a New Diester Cyclic Dimer of Mandelic and Glycolic Acid: An Efficient Synthesis Method for Derivatives of Amorphous Polyglycolide with High <i>T_g</i> . <i>Macromolecular Rapid Communications</i> , 2018, 39, e1700865.	2.0	8
61	Water-Phase Synthesis of a Biobased Allyl Compound for Building UV-Curable Flexible Thiol-Ene Polymer Networks with High Mechanical Strength and Transparency. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7902-7909.	3.2	65
62	Approaches to Sustainable and Continually Recyclable Cross-Linked Polymers. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11145-11159.	3.2	348
63	Diastereoselective Iridium-Catalyzed Amination of Biosourced Isohexides Through Borrowing Hydrogen Methodology. <i>Journal of Organic Chemistry</i> , 2018, 83, 9456-9463.	1.7	22
64	Ring-Opening Metathesis Polymerization of Tertiary Amide Monomers Derived from a Biobased Oxanorbornene. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9744-9752.	3.2	8
65	Synthesis of bio-based surfactants from cashew nutshell liquid in water. <i>Green Chemistry</i> , 2018, 20, 3210-3213.	4.6	21
66	A prospective partial bio-based diamine-adenine-monomer platform for high performance polymer: A case study on phthalonitrile resin. <i>Polymer Degradation and Stability</i> , 2019, 167, 114-123.	2.7	15
67	Selective Synthesis of THF-Derived Amines from Biomass-Derived Carbonyl Compounds. <i>ACS Catalysis</i> , 2019, 9, 8893-8902.	5.5	30
68	Direct Catalytic Reductive N-Alkylation of Amines with Carboxylic Acids: Chemoselective Enamine Formation and further Functionalizations. <i>ACS Catalysis</i> , 2019, 9, 7588-7595.	5.5	26
69	Organocatalytic Decarboxylation of Amino Acids as a Route to Bio-based Amines and Amides. <i>ChemCatChem</i> , 2019, 11, 4297-4306.	1.8	21
70	Advances in the use of CO ₂ as a renewable feedstock for the synthesis of polymers. <i>Chemical Society Reviews</i> , 2019, 48, 4466-4514.	18.7	438
71	One-Pot Production of Cellulosic Ethanol via Tandem Catalysis over a Multifunctional Mo/Pt/WOx Catalyt. <i>Joule</i> , 2019, 3, 1937-1948.	11.7	73
72	Cellulose-Derived Functional Polyacetal by Cationic Ring-Opening Polymerization of Levoglucosenyl Methyl Ether. <i>Angewandte Chemie</i> , 2019, 131, 18663-18666.	1.6	6

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73	Iron(II)-Catalyzed Hydroamination of Isocyanates. <i>Organometallics</i> , 2019, 38, 4115-4120.	1.1	9
74	Dual functions of CoO decoration in PtCo/CeO ₂ catalysts for the hydrogen-borrowing amination of alcohols to primary amines. <i>Journal of Catalysis</i> , 2019, 378, 392-401.	3.1	33
75	Cellulose-Derived Functional Polyacetal by Cationic Ring-Opening Polymerization of Levoglucosenyl Methyl Ether. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18492-18495.	7.2	25
76	Synthesis of Pluri-Functional Amine Hardeners from Bio-Based Aromatic Aldehydes for Epoxy Amine Thermosets. <i>Molecules</i> , 2019, 24, 3285.	1.7	6
77	Sustainable Preparation of Bio-Based Polybenzoxazine Resins from Amino Acid and Their Application in CO ₂ Adsorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17313-17324.	3.2	51
78	Epoxy resin modification by reactive bio-based furan derivatives: Curing kinetics and mechanical properties. <i>Thermochimica Acta</i> , 2019, 673, 147-157.	1.2	46
79	Valencene as a naturally occurring sesquiterpene monomer for radical copolymerization with maleimide to induce concurrent 1:1 and 1:2 propagation. <i>Polymer Degradation and Stability</i> , 2019, 161, 183-190.	2.7	13
80	Protein-Rich Biomass Waste as a Resource for Future Biorefineries: State of the Art, Challenges, and Opportunities. <i>ChemSusChem</i> , 2019, 12, 1272-1303.	3.6	60
81	Metabolic Engineering of <i>Escherichia coli</i> for para-Amino-Phenylethanol and para-Amino-Phenylacetic Acid Biosynthesis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 6, 201.	2.0	3
82	<i>in route</i> to CO ₂ -containing renewable materials: catalytic synthesis of polycarbonates and non-isocyanate polyhydroxyurethanes derived from cyclic carbonates. <i>Chemical Communications</i> , 2019, 55, 1360-1373.	2.2	85
83	Synthesis of biobased reactive hydroxyl amines by amination reaction of cardanol-based epoxy monomers. <i>European Polymer Journal</i> , 2019, 118, 429-436.	2.6	29
84	Bio-based routes to synthesize cyclic carbonates and polyamines precursors of non-isocyanate polyurethanes: A review. <i>European Polymer Journal</i> , 2019, 118, 668-684.	2.6	108
85	Copper-Catalyzed Cyanoalkylation of Amines via C-C Bond Cleavage: An Approach for C(sp ³)-N Bond Formations. <i>Journal of Organic Chemistry</i> , 2019, 84, 8615-8629.	1.7	26
86	Primary Benzylamines by Efficient N-Alkylation of Benzyl Alcohols Using Commercial Ni Catalysts and Easy-to-Handle Ammonia Sources. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11267-11274.	3.2	50
87	Room-Temperature Chemoselective Reductive Alkylation of Amines Catalyzed by a Well-Defined Iron(II) Complex Using Hydrogen. <i>Journal of Organic Chemistry</i> , 2019, 84, 6813-6829.	1.7	24
88	Morphology-Tuned Activity of Ru/Nb ₂ O ₅ Catalysts for Ketone Reductive Amination. <i>ChemCatChem</i> , 2019, 11, 4130-4138.	1.8	39
89	Radical polymerization of <i>dehydroaspirin</i> ™ with the formation of a hemiacetal ester skeleton: a hint for recyclable vinyl polymers. <i>Polymer Chemistry</i> , 2019, 10, 2764-2768.	1.9	24
90	Triarylborane-Catalyzed Reductive <i>N</i> -Alkylation of Amines: A Perspective. <i>ACS Catalysis</i> , 2019, 9, 5439-5444.	5.5	38

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91	Scalable direct N-methylation of drug-like amines using 12CO ₂ /13CO ₂ by simple inorganic base catalysis. <i>Science Bulletin</i> , 2019, 64, 723-729.	4.3	16
92	Carbon Dioxide-Mediated C(sp ²)-H Arylation of Primary and Secondary Benzylamines. <i>Journal of the American Chemical Society</i> , 2019, 141, 7980-7989.	6.6	65
93	Synthesis of hydroxyl-bearing polyurethanes from naturally occurring myo-inositol. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1358-1364.	2.5	2
94	Bio-based nanocomposites. , 2019, , 205-244.		7
95	One-pot conversion of lysine to caprolactam over Ir/H-Beta catalysts. <i>Green Chemistry</i> , 2019, 21, 2462-2468.	4.6	23
96	An Electrochemical Cinnamyl C-H Amination Reaction Using Carbonyl Sulfamate. <i>Chinese Journal of Chemistry</i> , 2019, 37, 570-574.	2.6	18
97	Photocatalysed eosin Y mediated C(sp ³)-H alkylation of amine substrates via direct HAT. <i>Tetrahedron Letters</i> , 2019, 60, 1333-1336.	0.7	39
98	Preparation, characterization, and evaluation of chitosan-based nanoparticles as CpG ODN carriers. <i>Biotechnology and Biotechnological Equipment</i> , 2019, 33, 390-396.	0.5	31
99	Lignin-derived platform molecules through TEMPO catalytic oxidation strategies. <i>Progress in Energy and Combustion Science</i> , 2019, 72, 59-89.	15.8	55
100	N-formyl-stabilizing quasi-catalytic species afford rapid and selective solvent-free amination of biomass-derived feedstocks. <i>Nature Communications</i> , 2019, 10, 699.	5.8	69
101	Cu(II)-Mediated C-H and N-Alkyl Aryl Amination and Olefin Aziridination. <i>Organic Letters</i> , 2019, 21, 1926-1929.	2.4	35
102	Bio-based Aromatic Amines from Lignin-Derived Monomers. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6906-6916.	3.2	52
103	Reusable Nickel Nanoparticles-Catalyzed Reductive Amination for Selective Synthesis of Primary Amines. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5064-5068.	7.2	94
104	Reusable Nickel Nanoparticles-Catalyzed Reductive Amination for Selective Synthesis of Primary Amines. <i>Angewandte Chemie</i> , 2019, 131, 5118-5122.	1.6	32
105	Synthesis of Bio-Derived Cyclic Carbonates from Renewable Resources. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 20126-20138.	3.2	48
106	Hydrogenation and N-alkylation of anilines and imines via transfer hydrogenation with homogeneous nickel compounds. <i>Dalton Transactions</i> , 2019, 48, 17579-17587.	1.6	15
107	Highly selective synthesis of 2,5-bis(aminomethyl)furan via catalytic amination of 5-(hydroxymethyl)furfural with NH ₃ over a bifunctional catalyst. <i>RSC Advances</i> , 2019, 9, 38877-38881.	1.7	35
108	Heterogenized nickel catalysts for various organic transformations. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2019, 15, 47-59.	3.2	17

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109	Rational design and characterization of bioplastics from <i>Hermetia illucens</i> prepupae proteins. <i>Biopolymers</i> , 2019, 110, e23250.	1.2	29
110	Novel biobased epoxy resin thermosets derived from eugenol and vanillin. <i>Polymer Degradation and Stability</i> , 2019, 160, 45-52.	2.7	56
111	Biocatalytic Production of Amino Carbohydrates through Oxidoreductase and Transaminase Cascades. <i>ChemSusChem</i> , 2019, 12, 848-857.	3.6	32
112	Separation and purification of three, four, and five carbon diamines from fermentation broth. <i>Chemical Engineering Science</i> , 2019, 196, 324-332.	1.9	14
113	Preparation of mussel-inspired biopolyester adhesive and comparative study of effects of meta- or para-hydroxyphenylpropionic acid segments on their properties. <i>Polymer</i> , 2019, 165, 152-162.	1.8	12
114	Aerobic Co-/N-Hydroxysuccinimide-Catalyzed Oxidation of <i>p</i> -Tolylsiloxanes to <i>p</i> -Carboxyphenylsiloxanes: Synthesis of Functionalized Siloxanes as Promising Building Blocks for Siloxane-Based Materials. <i>Journal of the American Chemical Society</i> , 2019, 141, 2143-2151.	6.6	32
115	Renewable natural resources as green alternative substrates to obtain bio-based non-isocyanate polyurethanes-review. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 173-211.	6.6	100
116	Controlled Radical Copolymerization of Cinnamic Derivatives as Renewable Vinyl Monomers with Both Acrylic and Styrenic Substituents: Reactivity, Regioselectivity, Properties, and Functions. <i>Biomacromolecules</i> , 2019, 20, 192-203.	2.6	26
117	Katalytische reduktive N-Alkylierungen unter Verwendung von CO ₂ und Carbonsäurederivaten: Aktuelle Entwicklungen. <i>Angewandte Chemie</i> , 2019, 131, 12950-12968.	1.6	17
118	Catalytic Reductive N-Alkylations Using CO ₂ and Carboxylic Acid Derivatives: Recent Progress and Developments. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12820-12838.	7.2	101
119	A current perspective for photocatalysis towards the hydrogen production from biomass-derived organic substances and water. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 18144-18159.	3.8	83
120	Bio-based vinylphenol family: Synthesis via decarboxylation of naturally occurring cinnamic acids and living radical polymerization for functionalized polystyrenes. <i>Journal of Polymer Science</i> , 2020, 58, 91-100.	2.0	15
121	Conformational Entropy as a Means to Control the Behavior of Poly(diketoenamine) Vitrimers In and Out of Equilibrium. <i>Angewandte Chemie</i> , 2020, 132, 745-749.	1.6	7
122	Conformational Entropy as a Means to Control the Behavior of Poly(diketoenamine) Vitrimers In and Out of Equilibrium. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 735-739.	7.2	64
123	<i>In situ</i> transformation of a tridentate to a tetradentate unsymmetric Schiff base ligand <i>via</i> deaminative coupling in Ni(<i>ii</i>) complexes: crystal structures, magnetic properties and catecholase activity study. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 247-259.	3.0	33
124	Cycloamination strategies for renewable N-heterocycles. <i>Green Chemistry</i> , 2020, 22, 582-611.	4.6	100
125	A perspective approach on the amine reactivity and the hydrogen bonds effect on epoxy-amine systems. <i>European Polymer Journal</i> , 2020, 123, 109460.	2.6	61
126	Synthesis of biomass-based amines: Metal-free catalytic reductive amination of xylose and biomass-derived carbonyl compounds using pyridine-based ionic liquid/triethoxysilane. <i>Fuel</i> , 2020, 264, 116822.	3.4	11

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127	Bio-based vinylphenol family: Synthesis via decarboxylation of naturally occurring cinnamic acids and living radical polymerization for functionalized polystyrenes. <i>Journal of Polymer Science</i> , 2020, 58, 91-100.	2.0	0
128	Scalable preparation of stable and reusable silica supported palladium nanoparticles as catalysts for N-alkylation of amines with alcohols. <i>Journal of Catalysis</i> , 2020, 382, 141-149.	3.1	30
129	Process Development for the Rhodium-Catalyzed Reductive Amination in a Thermomorphic Multiphase System. <i>Organic Process Research and Development</i> , 2020, 24, 41-49.	1.3	20
130	Organonitrogen Chemicals from Oxygen-Containing Feedstock over Heterogeneous Catalysts. <i>ACS Catalysis</i> , 2020, 10, 311-335.	5.5	96
131	Curing behavior and properties of high biosourced epoxy resin blends based on a triepoxy monomer and a tricarboxylic acid hardener from 10-undecenoic acid. <i>Polymer Testing</i> , 2020, 81, 106208.	2.3	10
132	Cardanol and Eugenol Sourced Sustainable Non-halogen Flame Retardants for Enhanced Stability of Renewable Polybenzoxazines. <i>Frontiers in Chemistry</i> , 2020, 8, 711.	1.8	27
133	Redox surrogate methods for sustainable amine N-alkylation. <i>Current Opinion in Chemical Engineering</i> , 2020, 30, 60-68.	3.8	4
134	Urea and Polyurea Production: An Innovative Solvent- and Catalyst-Free Approach through Catechol Carbonate. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15640-15650.	3.2	16
135	Direct electrochemical reductive amination between aldehydes and amines with a H/D-donor solvent. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5832-5837.	1.5	15
136	Ni-Catalyzed Iterative Alkyl Transfer from Nitrogen Enabled by the In Situ Methylation of Tertiary Amines. <i>Journal of Organic Chemistry</i> , 2020, 85, 9979-9992.	1.7	10
137	Reactive Diluent Derived from Ferulic Acid for the Preparation of a Fully Biobased Unsaturated Polyester Resin. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17379-17386.	3.2	14
138	Study of Moisture-Curable Hybrid NIPUs Based on Glycerol with Various Diamines: Emergent Advantages of PDMS Diamines. <i>ACS Omega</i> , 2020, 5, 30657-30670.	1.6	16
139	Advances and Opportunities of Oil-in-Oil Emulsions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38845-38861.	4.0	53
140	Cobalt-Catalyzed Markovnikov Selective Sequential Hydrogenation/Hydrohydrazidation of Aliphatic Terminal Alkynes. <i>Journal of the American Chemical Society</i> , 2020, 142, 14455-14460.	6.6	48
141	Catalytic reductive aminations using molecular hydrogen for synthesis of different kinds of amines. <i>Chemical Society Reviews</i> , 2020, 49, 6273-6328.	18.7	240
142	Biobased Cycloolefin Polymers: Carvone-Derived Cyclic Conjugated Diene with Reactive <i>exo</i> -Methylene Group for Regioselective and Stereospecific Living Cationic Polymerization. <i>ACS Macro Letters</i> , 2020, 9, 1178-1183.	2.3	16
143	Syntheses of Soluble Biopolyimides Using 4-Aminophenylalanine. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 1117-1123.	2.0	4
144	Homogeneous and heterogeneous catalytic reduction of amides and related compounds using molecular hydrogen. <i>Nature Communications</i> , 2020, 11, 3893.	5.8	130

#	ARTICLE	IF	CITATIONS
145	Synthesis of Functional Chemicals from Lignin-derived Monomers by Selective Organic Transformations. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5143-5169.	2.1	42
146	From terpenes to sustainable and functional polymers. <i>Polymer Chemistry</i> , 2020, 11, 5109-5127.	1.9	117
147	Two-Step One-Pot Reductive Amination of Furanic Aldehydes Using CuAlOx Catalyst in a Flow Reactor. <i>Molecules</i> , 2020, 25, 4771.	1.7	15
148	Conductive fabric patch with controllable porous structure and elastic properties for tissue engineering applications. <i>Journal of Materials Science</i> , 2020, 55, 17120-17133.	1.7	11
149	Modulating <i>trans</i> -imination and hydrogenation towards the highly selective production of primary diamines from dialdehydes. <i>Green Chemistry</i> , 2020, 22, 6897-6901.	4.6	32
150	Synthesis of Titanium Complexes Supported by Carbinolamide- and Amide-Containing Ligands Derived from Ti(NMe ₂) ₄ -Mediated Selective Amidations of Carbonyl Groups. <i>Inorganic Chemistry</i> , 2020, 59, 14031-14041.	1.9	0
151	Aromatics from Lignocellulosic Biomass: A Platform for High-Performance Thermosets. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15072-15096.	3.2	64
152	Site-Selective C ³ -H and C ² -H Functionalization of Amines Using a Directing-Group-Guided Strategy. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 4513-4542.	2.1	32
153	Physical and Chemical Factors Influencing the Printability of Hydrogel-based Extrusion Biinks. <i>Chemical Reviews</i> , 2020, 120, 10834-10886.	23.0	107
154	Biobased Polymers via Radical Homopolymerization and Copolymerization of a Series of Terpenoid-Derived Conjugated Dienes with <i>exo</i> -Methylene and 6-Membered Ring. <i>Molecules</i> , 2020, 25, 5890.	1.7	14
155	Development and Mechanism of High-Performance Fully Biobased Shape Memory Benzoxazine Resins with a Green Strategy. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18696-18705.	3.2	40
156	Construction of siloxane structures with <i>p</i> -Tolyl substituents at the silicon atom. <i>Journal of Organometallic Chemistry</i> , 2020, 926, 121497.	0.8	3
157	Effect of Homochirality of Dipeptide to Polymers' Degradation. <i>Polymers</i> , 2020, 12, 2164.	2.0	1
158	Calcium carbide as a dehydrating agent for the synthesis of carbamates, glycerol carbonate, and cyclic carbonates from carbon dioxide. <i>Green Chemistry</i> , 2020, 22, 4231-4239.	4.6	47
159	Catalyst-Free Multicomponent Tandem Polymerizations of Alkyne and Amines toward Nontraditional Intrinsic Luminescent Poly(aminomaleimide)s. <i>Macromolecules</i> , 2020, 53, 3756-3764.	2.2	34
160	Nickel(II)-N ² O Pincer Type Complex-Catalyzed N-alkylation of Amines with Alcohols via the Hydrogen Autotransfer Reaction. <i>Journal of Organic Chemistry</i> , 2020, 85, 7125-7135.	1.7	49
161	Properties of Coated Controlled Release Diammonium Phosphate Fertilizers Prepared with the Use of Bio-based Amino Oil. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2020, 97, 751-763.	0.8	15
162	Alcohol amination over titania-supported ruthenium nanoparticles. <i>Catalysis Science and Technology</i> , 2020, 10, 4396-4404.	2.1	15

#	ARTICLE	IF	CITATIONS
163	Eugenol-derived reconfigurable high-performance epoxy resin for self-deployable smart 3D structures. <i>European Polymer Journal</i> , 2020, 134, 109805.	2.6	23
164	Recent Progress on Catalytic Addition Reactions to <i>N</i> -Unsubstituted Imines. <i>ACS Catalysis</i> , 2020, 10, 6924-6951.	5.5	41
165	Ambient-Temperature Synthesis of Primary Amines via Reductive Amination of Carbonyl Compounds. <i>ACS Catalysis</i> , 2020, 10, 7763-7772.	5.5	72
166	Lignocellulosic Biomass Upgrading into Valuable Nitrogen-Containing Compounds by Heterogeneous Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 17008-17025.	1.8	31
167	Effect of KOH Pretreatment on Lignocellulosic Waste for the Reduction of Nitrobenzene to Aniline without Metal. <i>Sustainability</i> , 2020, 12, 4665.	1.6	4
168	Polymer-Metal Hybrid Material with an Ultra-High Interface Strength Based on Mechanical Interlocking via Nanopores Produced by Electrochemistry. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 12409-12420.	1.8	15
169	Ruthenium Catalyzed Direct Asymmetric Reductive Amination of Simple Aliphatic Ketones Using Ammonium Iodide and Hydrogen. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 4796-4800.	1.2	26
170	Reductive amination using cobalt-based nanoparticles for synthesis of amines. <i>Nature Protocols</i> , 2020, 15, 1313-1337.	5.5	56
171	Fully Biobased Epoxy Resins from Fatty Acids and Lignin. <i>Molecules</i> , 2020, 25, 1158.	1.7	35
172	Catalytic Conversion of N-Heteroaromatics to Functionalized Arylamines by Merging Hydrogen Transfer and Selective Coupling. <i>ACS Catalysis</i> , 2020, 10, 5243-5249.	5.5	40
173	Monocomponent Non-isocyanate Polyurethane Adhesives Based on a Sol-Gel Process. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1839-1847.	2.0	35
174	Efficient Synthesis of 5-Amino-1-pentanol from Biomass-Derived Dihydropyran over Hydrotalcite-Based Ni ₃ AlO _x Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6352-6362.	3.2	14
175	Multiscale Structural Characterization of Biobased Diallyl-Eugenol Polymer Networks. <i>Macromolecules</i> , 2020, 53, 2187-2197.	2.2	16
176	Homogeneous cobalt-catalyzed deoxygenative hydrogenation of amides to amines. <i>Catalysis Science and Technology</i> , 2020, 10, 6116-6128.	2.1	15
177	Downstream processing of lignin derived feedstock into end products. <i>Chemical Society Reviews</i> , 2020, 49, 5510-5560.	18.7	305
178	One-pot reductive amination of carboxylic acids: a sustainable method for primary amine synthesis. <i>Green Chemistry</i> , 2020, 22, 5105-5114.	4.6	23
179	Synthesis and polymerisation of α -alkylidene cyclic carbonates from carbon dioxide, epoxides and the primary propargylic alcohol 1,4-butanediol. <i>Green Chemistry</i> , 2020, 22, 1553-1558.	4.6	32
180	Environment-friendly synthesis of sustainable chitosan-based nonisocyanate polyurethane: A biobased polymeric film. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49050.	1.3	21

#	ARTICLE	IF	CITATIONS
181	Ultra-small cobalt nanoparticles from molecularly-defined Co ^{II} -salen complexes for catalytic synthesis of amines. <i>Chemical Science</i> , 2020, 11, 2973-2981.	3.7	43
182	Conversion of furfural to tetrahydrofuran-derived secondary amines under mild conditions. <i>Green Chemistry</i> , 2020, 22, 1832-1836.	4.6	16
183	Development of an integrated process for the production of high-purity cadaverine from lysine decarboxylase. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1542-1549.	1.6	9
184	Fully bio-derived CO ₂ polymers for non-isocyanate based polyurethane synthesis. <i>Green Chemistry</i> , 2020, 22, 969-978.	4.6	41
185	Effective synthesis of 5-amino-1-pentanol by reductive amination of biomass-derived 2-hydroxytetrahydropyran over supported Ni catalysts. <i>Chinese Journal of Catalysis</i> , 2020, 41, 631-641.	6.9	24
186	A Shortcut Route to Close Nitrogen Cycle: Bio-Based Amines Production via Selective Deoxygenation of Chitin Monomers over Ru/C in Acidic Solutions. <i>IScience</i> , 2020, 23, 101096.	1.9	20
187	Solubility-governed architectural design of polyhydroxyurethane- <i>g</i> -poly(μ -caprolactone) copolymers. <i>Polymer Chemistry</i> , 2021, 12, 196-208.	1.9	12
188	Imine-functionalized biomass-derived dynamic covalent thermosets enabled by heat-induced self-crosslinking and reversible structures. <i>Chemical Engineering Journal</i> , 2021, 404, 126598.	6.6	68
189	Biobased polyurethanes for biomedical applications. <i>Bioactive Materials</i> , 2021, 6, 1083-1106.	8.6	191
190	Hydrophobic thin film composite nanofiltration membranes derived solely from sustainable sources. <i>Green Chemistry</i> , 2021, 23, 1175-1184.	4.6	78
191	Reductive amination of 5-acetoxymethylfurfural over Pt/Al ₂ O ₃ catalyst in a flow reactor. <i>Molecular Catalysis</i> , 2021, 499, 111297.	1.0	7
192	A new molecular design platform for high-performance polymers from versatile bio-based tyramine: a case study of tyramine-derived phthalonitrile resin. <i>Polymer Chemistry</i> , 2021, 12, 408-422.	1.9	17
193	Nickel-Catalyzed Amination of Aryl Chlorides with Amides. <i>Organic Letters</i> , 2021, 23, 687-691.	2.4	18
194	Pd(II)-Catalyzed Intramolecular C(sp ²) ^H Arylation of Tryptamines Using the Nonsteric NH ₂ as a Directing Group. <i>Organic Letters</i> , 2021, 23, 42-48.	2.4	8
195	Hybrid Conversion of 5-Hydroxymethylfurfural to 5-Aminomethylfuran-2-carboxylic acid: Toward New Bio-sourced Polymers. <i>ChemCatChem</i> , 2021, 13, 247-259.	1.8	16
196	Terpenoid-derived conjugated dienes with <i>ex</i> -methylene and a 6-membered ring: high cationic reactivity, regioselective living cationic polymerization, and random and block copolymerization with vinyl ethers. <i>Polymer Chemistry</i> , 2021, 12, 1186-1198.	1.9	6
197	Processing of bio-based polymers for industrial and medical applications. , 2021, , 191-238.		4
198	Designed pincer ligand supported Co(^{II})-based catalysts for dehydrogenative activation of alcohols: Studies on <i>N</i> -alkylation of amines, α -alkylation of ketones and synthesis of quinolines. <i>Dalton Transactions</i> , 2021, 50, 8567-8587.	1.6	24

#	ARTICLE	IF	CITATIONS
199	Phosphite mediated asymmetric N to C migration for the synthesis of chiral heterocycles from primary amines. <i>Chemical Science</i> , 2021, 12, 8996-9003.	3.7	4
200	Recent developments in highly basic N-heterocyclic iminato ligands in actinide chemistry. <i>Chemical Communications</i> , 2021, 57, 5483-5502.	2.2	29
201	Polybenzoxazines: a sustainable platform for the design of fast responsive and catalyst-free vitrimers based on trans-esterification exchanges. <i>Polymer Chemistry</i> , 2021, 12, 3276-3289.	1.9	47
202	Biomass-Derived Acetylenic Polymer Monoliths Prepared by High Internal Phase Emulsion Template Method and Used for Adsorbing Cationic Pollutants. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000448.	1.1	4
203	Reductive amination of bio-based 2-hydroxytetrahydropyran to 5-Amino-1-pentanol over nano-Ni-Al ₂ O ₃ catalysts. <i>New Journal of Chemistry</i> , 2021, 45, 4236-4245.	1.4	6
204	Biobased Polyester-Amide/Cellulose Nanocrystal Nanocomposites for Food Packaging. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000668.	1.7	11
205	Green chemical and biological synthesis of cadaverine: recent development and challenges. <i>RSC Advances</i> , 2021, 11, 23922-23942.	1.7	14
206	Enone-promoted decarboxylation of trans-4-hydroxy-L-proline in flow: a side-by-side comparison to batch. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 486-493.	1.9	4
207	Reductive amination of ketones/aldehydes with amines using BH ₃ N(C ₂ H ₅) ₃ as a reductant. <i>Chemical Communications</i> , 2021, 57, 8588-8591.	2.2	10
208	Hydrofunctionalization reactions of heterocumulenes: Formation of C-X (X = B, N, O, P, S and Si) bonds by homogeneous metal catalysts. <i>Advances in Organometallic Chemistry</i> , 2021, , 1-54.	0.5	5
209	Hydrosilylation and Mukaiyama aldol-type reaction of quinolines and hydrosilylation of imines catalyzed by a mesoionic carbene-stabilized borenium ion. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6786-6791.	1.5	7
210	Synthesis of <i>N</i> -Alkyl Anilines from Arenes via Iron-Promoted Aromatic C-H Amination. <i>Organic Letters</i> , 2021, 23, 1422-1426.	2.4	28
211	High Performance Biomass-Based Polyimides for Flexible Electronic Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3278-3288.	3.2	34
212	Metabolic engineering of <i>Pseudomonas putida</i> for production of vanillylamine from lignin-derived substrates. <i>Microbial Biotechnology</i> , 2021, 14, 2448-2462.	2.0	11
213	The production of biobased diamines from renewable carbon sources: Current advances and perspectives. <i>Chinese Journal of Chemical Engineering</i> , 2021, 30, 4-13.	1.7	32
214	Green chemistry design in polymers derived from lignin: review and perspective. <i>Progress in Polymer Science</i> , 2021, 113, 101344.	11.8	103
215	Direct Amination of Biomass-Based Furfuryl Alcohol and 5-(Aminomethyl)-2-Furanmethanol with NH ₃ over Hydrotalcite-Derived Nickel Catalysts via the Hydrogen-Borrowing Strategy. <i>ChemCatChem</i> , 2021, 13, 2074-2085.	1.8	14
216	Advances in sustainable thermosetting resins: From renewable feedstock to high performance and recyclability. <i>Progress in Polymer Science</i> , 2021, 113, 101353.	11.8	189

#	ARTICLE	IF	CITATIONS
218	Efficient Synthesis of Cyclic Carbonates from Unsaturated Acids and Carbon Dioxide and their Application in the Synthesis of Biobased Polyurethanes. <i>ChemPlusChem</i> , 2021, 86, 460-468.	1.3	11
219	Aza-Michael Reaction as a Greener, Safer, and More Sustainable Approach to Biobased Polyurethane Thermosets. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 4872-4884.	3.2	23
220	Biological function following radical photo-polymerization of biomedical polymers and surrounding tissues: Design considerations and cellular risk factors. <i>Applied Physics Reviews</i> , 2021, 8, 011301.	5.5	13
221	Recent advances in the oxidative conversion of benzylamines. <i>Tetrahedron</i> , 2021, 84, 131990.	1.0	12
222	[(PPh ₃) ₂ NiCl ₂]-Catalyzed C–N Bond Formation Reaction via Borrowing Hydrogen Strategy: Access to Diverse Secondary Amines and Quinolines. <i>Journal of Organic Chemistry</i> , 2021, 86, 6994-7001.	1.7	27
223	Achievements and Trends in Biocatalytic Synthesis of Specialty Polymers from Biomass-Derived Monomers Using Lipases. <i>Processes</i> , 2021, 9, 646.	1.3	15
224	Room-temperature copper-catalyzed electrophilic amination of arylcadmium iodides with ketoximes. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 3119.	1.2	10
225	Sustainable nitrogen-containing chemicals and materials from natural marine resources chitin and microalgae. <i>Molecular Catalysis</i> , 2021, 505, 111517.	1.0	12
226	High yielding electrophilic amination with lower order and higher order organocuprates: Application of acetone O-(4-Chlorophenylsulfonyl)oxime in the construction of the C–N bond at room temperature. <i>Synthetic Communications</i> , 2021, 51, 2077-2087.	1.1	6
227	Thermal stable honokiol-derived epoxy resin with reinforced thermal conductivity, dielectric properties and flame resistance. <i>Chemical Engineering Journal</i> , 2021, 412, 128647.	6.6	43
228	A review on the production, properties and applications of non-isocyanate polyurethane: A greener perspective. <i>Progress in Organic Coatings</i> , 2021, 154, 106124.	1.9	70
229	Photocross-Linked Antimicrobial Amino-Siloxane Elastomers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22195-22203.	4.0	8
230	Epoxy-Rich Systems with Preference for Etherification over Amine-Epoxy Reactions for Tertiary Amine Accelerators. <i>Macromolecules</i> , 2021, 54, 4280-4287.	2.2	15
231	Synthesis of pH-responsive polyimide hydrogel from bioderived amino acid. <i>Polymer Journal</i> , 2021, 53, 1223-1230.	1.3	6
232	Improving hydraulic permeability, mechanical properties, and chemical functionality of cellulose acetate-based membranes by co-polymerization with tetraethyl orthosilicate and 3-(aminopropyl)triethoxysilane. <i>Carbohydrate Polymers</i> , 2021, 261, 117813.	5.1	19
233	Transition Metal Catalyzed Free Amine (NH ₂) Directed C–H Bond Activation and Functionalization for Biaryl Frameworks. <i>Chemical Record</i> , 2021, 21, 3795-3817.	2.9	15
234	Structure-properties relationships of cellular materials from biobased polyurethane foams. <i>Materials Science and Engineering Reports</i> , 2021, 145, 100608.	14.8	112
235	Manganese Catalyzed Hydrogenation of Azo (N=N) Bonds to Amines. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3744-3749.	2.1	12

#	ARTICLE	IF	CITATIONS
236	Reductive Amination of 5-Hydroxymethylfurfural by the Hydrogenation of Intermediate Imines in the Presence of a Pt/Al ₂ O ₃ Catalyst in a Flow Reactor. <i>Kinetics and Catalysis</i> , 2021, 62, 507-512.	0.3	5
237	Yale School of Public Health Symposium: An overview of the challenges and opportunities associated with per- and polyfluoroalkyl substances (PFAS). <i>Science of the Total Environment</i> , 2021, 778, 146192.	3.9	22
238	A general N-alkylation platform via copper metallaphotoredox and silyl radical activation of alkyl halides. <i>CheM</i> , 2021, 7, 1827-1842.	5.8	57
239	Sustainable Production of Benzylamines from Lignin. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20666-20671.	7.2	66
240	Sustainable Production of Benzylamines from Lignin. <i>Angewandte Chemie</i> , 2021, 133, 20834-20839.	1.6	4
241	Catalyst-free hierarchical reduction of CO ₂ with BH ₃ N(C ₂ H ₅) ₃ for selective N-methylation and N-formylation of amines. <i>Journal of CO₂ Utilization</i> , 2021, 50, 101590.	3.3	10
243	Four-Step Pathway from Phenylpyruvate to Benzylamine, an Intermediate to the High-Energy Propellant CL-20. <i>ACS Synthetic Biology</i> , 2021, 10, 2187-2196.	1.9	2
244	Cleavage ⁺ -cross-coupling strategy for converting ⁺ O-4 linkage lignin model compounds into high valued benzyl amines via dual C ⁺ -O bond cleavage. <i>Chinese Chemical Letters</i> , 2022, 33, 1519-1523.	4.8	15
245	Direct alkylation of N,N-dialkyl benzamides with methyl sulfides under transition metal-free conditions. <i>Communications Chemistry</i> , 2021, 4, .	2.0	7
247	One-pot amination of aldehydes and ketones over heterogeneous catalysts for production of secondary amines. <i>Catalysis Reviews - Science and Engineering</i> , 2023, 65, 501-568.	5.7	10
248	Synthesis of bio-based 2-thiothiophenes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200350.	1.6	0
249	Bio-based polymers with performance-advantaged properties. <i>Nature Reviews Materials</i> , 2022, 7, 83-103.	23.3	268
250	Metal-free catalysis for the one-pot synthesis of organic carbamates from amines, CO ₂ , and alcohol at mild conditions. <i>Chemical Engineering Journal</i> , 2021, 425, 131452.	6.6	16
251	Facile preparation of ultrafine Pd nanoparticles anchored on covalent triazine frameworks catalysts for efficient N-alkylation. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1340-1351.	5.0	7
252	BF ₃ ·Et ₂ O as a metal-free catalyst for direct reductive amination of aldehydes with amines using formic acid as a reductant. <i>Green Chemistry</i> , 2021, 23, 5205-5211.	4.6	16
253	High ⁺ efficiency electrolysis of biomass and its derivatives: Advances in anodic oxidation reaction mechanism and transition metal ⁺ -based electrocatalysts. <i>Nano Select</i> , 2021, 2, 847-864.	1.9	12
254	The RCF biorefinery: Building on a chemical platform from lignin. <i>Advances in Inorganic Chemistry</i> , 2021, , 241-297.	0.4	8
255	Biorenewable carbon-supported Ru catalyst for <i>N</i> -alkylation of amines with alcohols and selective hydrogenation of nitroarenes. <i>New Journal of Chemistry</i> , 2021, 45, 14687-14694.	1.4	13

#	ARTICLE	IF	CITATIONS
256	An efficient approach to synthesizing 2,5-bis(<i>N</i> -methyl-aminomethyl)furan from 5-hydroxymethylfurfural <i>via</i> 2,5-bis(<i>N</i> -methyl-iminomethyl)furan using a two-step reaction in one pot. <i>Green Chemistry</i> , 2021, 23, 5656-5664.	4.6	8
257	Single-reactor tandem oxidation-amination process for the synthesis of furan diamines from 5-hydroxymethylfurfural. <i>Green Chemistry</i> , 2021, 23, 7093-7099.	4.6	12
258	Antimicrobial Polymers. <i>Environmental and Microbial Biotechnology</i> , 2021, , 1-42.	0.4	8
259	Solvent Selection in Homogeneous Catalysis-Optimization of Kinetics and Reaction Performance. <i>ACS Catalysis</i> , 2021, 11, 590-594.	5.5	15
260	A multifaceted role of a mobile bismuth promoter in alcohol amination over cobalt catalysts. <i>Green Chemistry</i> , 2020, 22, 4270-4278.	4.6	19
261	Facile synthesis of controllable graphene-co-shelled reusable Ni/NiO nanoparticles and their application in the synthesis of amines under mild conditions. <i>Green Chemistry</i> , 2020, 22, 7387-7397.	4.6	40
262	General and selective synthesis of primary amines using Ni-based homogeneous catalysts. <i>Chemical Science</i> , 2020, 11, 4332-4339.	3.7	29
263	Polypseudorotaxanes constructed from pillar[5]arenes and polyamides by interfacial polymerization. <i>Chemical Communications</i> , 2021, 57, 12468-12471.	2.2	2
264	Pivotal role of H ₂ in the isomerisation of isosorbide over a Ru/C catalyst. <i>Catalysis Science and Technology</i> , 2021, 11, 7973-7981.	2.1	2
265	Dual-function enzyme catalysis for enantioselective carbon-nitrogen bond formation. <i>Nature Chemistry</i> , 2021, 13, 1166-1172.	6.6	48
266	Polyurea Modified with 4-Dihydropyrimidone-2-one Rings by Biginelli Reaction and its Boosted AIE Characteristic. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2100284.	1.1	3
267	Fabrication of Transaminase@Metal-Organic Framework Biocomposites for Efficiently Synthesizing Benzylamines and Pyridylmethylamines. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 380-390.	2.1	2
268	Cut-off Scale and Complex Formation in Density Functional Theory Computations of Epoxy-Amine Reactivity. <i>ACS Omega</i> , 2021, 6, 29424-29431.	1.6	1
269	Phase Equilibria for the Hydroaminomethylation of 1-Decene. <i>Journal of Chemical & Engineering Data</i> , 0, , .	1.0	4
270	Imidazolium-based ionic liquid-assisted processing of natural biopolymers containing amine/amide functionalities for sustainable fiber production. <i>Materials Today Sustainability</i> , 2021, 14, 100082.	1.9	9
271	A review on recent developments in N-methylation using CO ₂ . <i>Journal of CO₂ Utilization</i> , 2021, 54, 101759.	3.3	19
272	Recent advances in selective catalytic hydrogenation of nitriles to primary amines. <i>Journal of Catalysis</i> , 2021, 404, 475-492.	3.1	34
273	Reductive Amination, Hydrogenation and Hydrodeoxygenation of 5-Hydroxymethylfurfural using Silica-supported Cobalt Nanoparticles. <i>ChemCatChem</i> , 2022, 14, .	1.8	19

#	ARTICLE	IF	CITATIONS
274	Solvent-Free Design of Biobased Non-isocyanate Polyurethanes with Ferroelectric Properties. ACS Sustainable Chemistry and Engineering, 2021, 9, 14946-14958.	3.2	11
275	Bio-based Thermoplastic Polyhydroxyurethanes Synthesized from the Terpolymerization of a Dicarboxylic Acid and Two Diamines: Design, Rheology, and Application in Melt Blending. Macromolecules, 2021, 54, 10189-10202.	2.2	20
276	Evaluation of Novel Bio-Based Amino Curing Agent Systems for Epoxy Resins: Effect of Tryptophan and Guanine. Processes, 2021, 9, 42.	1.3	14
277	Homogenous Iridium Catalysts for Biomass Conversion. Topics in Organometallic Chemistry, 2020, , 341-395.	0.7	2
278	Synthesis and characterization of methoxybenzene-linked polyimides formed by 1,4-addition to bismaleimides. Polymer, 2021, , 124326.	1.8	2
279	Elucidating the Role of Rh/C on the Pathways and Kinetics of Ketone to Secondary Amines Reaction. ChemCatChem, 2022, 14, .	1.8	2
280	A well-defined diamine from lignin depolymerization mixtures for constructing bio-based polybenzoxazines. Chem Catalysis, 2021, 1, 1466-1466.	2.9	9
282	Homogeneous Catalyzed Valorization of Furanics: A Sustainable Bridge to Fuels and Chemicals. Catalysts, 2021, 11, 1371.	1.6	12
283	Synthesis of an aromatic amine derived from biomass and its use as a feedstock for versatile epoxy thermoset. Chemical Engineering Journal, 2022, 433, 134512.	6.6	48
284	Fully Bio-Based High-Performance Thermosets with Closed-Loop Recyclability. ACS Sustainable Chemistry and Engineering, 2022, 10, 1036-1046.	3.2	42
285	Heterogeneous graphitic carbon nitrides in visible-light-initiated organic transformations. Green Chemistry, 2022, 24, 438-479.	4.6	47
286	Electrocatalytic Reductive Amination and Simultaneous Oxidation of Biomass-Derived 5-Hydroxymethylfurfural. Industrial & Engineering Chemistry Research, 2022, 61, 1912-1919.	1.8	8
287	Fully Biobased Vitrimers: Future Direction toward Sustainable Cross-Linked Polymers. Macromolecular Chemistry and Physics, 2022, 223, .	1.1	36
288	Biobased vitrimers: Towards sustainable and adaptable performing polymer materials. Progress in Polymer Science, 2022, 127, 101515.	11.8	94
289	Preparation and characterization of aminated co-solvent enhanced lignocellulosic fractionation lignin as a renewable building block for the synthesis of non-isocyanate polyurethanes. Industrial Crops and Products, 2022, 178, 114579.	2.5	15
290	Polymer microgels for the stabilization of gold nanoparticles and their application in the catalytic reduction of nitroarenes in aqueous media. RSC Advances, 2022, 12, 5105-5117.	1.7	35
291	Amination of biomass to nitrogen-containing compounds. , 2022, , 593-612.		1
292	Facile synthesis of hydrochar-supported catalysts from glucose and its catalytic activity towards the production of functional amines. Green Energy and Environment, 2023, 8, 1358-1370.	4.7	6

#	ARTICLE	IF	CITATIONS
293	Crystal Structure of a Chiral Sec-Amine, 4-Chloro-N-(1-(pyridin-2-yl)ethyl)aniline. MolBank, 2022, 2022, M1335.	0.2	0
294	Arylboronic acids catalyzed upgrade of glucosamines for deoxyfructosazine and insights on reaction mechanism. Current Research in Green and Sustainable Chemistry, 2022, 5, 100308.	2.9	2
295	Synthesis of Supported Indazolyl-Pyridyl-Quinoline Iridium Catalyst and Its Application to <i>N</i> -Alkylation of 2-Aminobenzothiazoles. Chinese Journal of Organic Chemistry, 2022, 42, 619.	0.6	8
296	Chemistry and general applications of thermoset resins. , 2022, , 1-172.		5
297	Kinetics of the Rhodium-Catalyzed Hydroaminomethylation of 1-Decene in a Thermomorphic Solvent System. Chemie-Ingenieur-Technik, 0, , .	0.4	4
298	Biomass-Based Polyureas Derived from Rigid Furfurylamine and Isomannide. ACS Applied Polymer Materials, 2022, 4, 2197-2204.	2.0	5
299	Tunable synthesis of furfurylamines or β -amino alcohols via Ru-catalyzed N-H functionalization using biomass-derived polyols. Green Synthesis and Catalysis, 2022, 3, 259-264.	3.7	7
300	Size-Tunable Carbon-Doped Ni Nanoparticles for Switchable Reductive Amination of Biomass-Derived Carbonyl Compounds to Primary Amines and Secondary Imines. ACS Sustainable Chemistry and Engineering, 2022, 10, 3777-3786.	3.2	9
301	Ambient-Temperature Reductive Amination of 5-Hydroxymethylfurfural Over Al ₂ O ₃ -Supported Carbon-Doped Nickel Catalyst. ChemSusChem, 2022, 15, .	3.6	12
302	Biobased Linear and Crystallizable Polyhydroxy(amide-urethane)s from Diglycerol Bis(cyclic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TTS	2.0	8
303	Model and Terpenoid-Derived <i>exo</i> -Methylene Six-Membered Conjugated Dienes: Comprehensive Studies on Cationic and Radical Polymerizations of Substituted 3-Methylenecyclohexenes. Macromolecules, 2022, 55, 2300-2309.	2.2	5
304	Advances in Catalytic Routes for the Homogeneous Green Conversion of the Bio-Based Platform 5-Hydroxymethylfurfural. ChemSusChem, 2022, 15, .	3.6	10
305	Efficient Synthesis of Pharmaceutical Intermediates from Biomass-Derived Aldehydes and Ketones over Robust Ni _x Al Nanocatalysts. ACS Sustainable Chemistry and Engineering, 2022, 10, 5526-5537.	3.2	13
306	Efficient and selective approach to biomass-based amine by reductive amination of furfural using Ru catalyst. Applied Catalysis B: Environmental, 2022, 309, 121262.	10.8	39
307	Vegetable oil-based, coumarin-containing antibacterial thermosets with improved thermal stability via copper-free thermal azide-alkyne click polymerization. Industrial Crops and Products, 2022, 182, 114870.	2.5	12
308	Regio- and Diastereoselective [3+2] Annulation of Aliphatic Aldimines with Alkenes by Scandium-Catalyzed β -H Activation. Angewandte Chemie - International Edition, 2022, 61, e202115996.	7.2	15
309	Highly selective synthesis of primary amines from amide over Ru ₂ O ₅ catalysts. Chemistry - an Asian Journal, 2022, 17, .	1.7	1
310	Decarboxylative Ritter-Type Amination by Cooperative Iodine (I/III)-Boron Lewis Acid Catalysis. ACS Catalysis, 2022, 12, 809-817.	5.5	28

#	ARTICLE	IF	CITATIONS
311	Regio- and Diastereoselective [3+2] Annulation of Aliphatic Aldimines with Alkenes by Scandium-Catalyzed $\text{I}^2\text{A}^{\text{C}}(\text{sp}^3)^{\text{H}}$ Activation. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
312	Self-Standing Nanomembranes of Super-Tough Plastics. <i>Langmuir</i> , 2022, 38, 5128-5134.	1.6	4
313	Conversion of <i>N</i> -Acetyl-D-glucosamine into 3-Acetamido-5-acetylfuran Using Cheap Ammonium Chloride as Catalyst. <i>ChemistrySelect</i> , 2022, 7, .	0.7	3
317	Iridium-Catalyzed Direct Reductive Amination of Ketones and Secondary Amines: Breaking the Aliphatic Wall. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	3
318	Synergy between Ru and WO_x Enables Efficient Hydrodeoxygenation of Primary Amides to Amines. <i>ACS Catalysis</i> , 2022, 12, 6302-6312.	5.5	18
319	Lewis Acid Assisted Brønsted Acid Catalysed Decarbonylation of Isocyanates: A Combined DFT and Experimental Study. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	3
320	General and practical synthesis of naphtho[2,1-d]oxazoles from naphthols and amines. <i>Organic Chemistry Frontiers</i> , 0, , .	2.3	1
321	The Terpenes Limonene, Pinene(s), and Related Compounds: Advances in Their Utilization for Sustainable Polymers and Materials. <i>Advances in Polymer Science</i> , 2022, , 35-64.	0.4	2
322	Integrated Chemical and Biological Process for Production of 100% Lignocellulose-Based Nylons. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
323	Production of biofuels and biobased chemicals in biorefineries and potential use of intensified technologies. , 2022, , 305-359.		0
324	Synthesis of symmetrical secondary oligoethylene glycolated amines from diethanolamine. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5129-5138.	1.5	1
325	Amine-based pretreatments for lignocellulose fractionation and lignin valorization: a review. <i>Green Chemistry</i> , 2022, 24, 5460-5478.	4.6	19
326	A biphosphine copolymer encapsulated single-site Rh catalyst for heterogeneous regioselective hydroaminomethylation of alkenes. <i>Chemical Communications</i> , 2022, 58, 8093-8096.	2.2	3
327	Renewable Beta-Elementene Based Cyclic Carbonates for the Preparation of Oligo(hydroxyurethane)s. <i>ChemSusChem</i> , 2022, 15, .	3.6	11
328	Sugar-Based Thermoplastic Polyhydroxyurethanes: Effects of Sorbitol and Mannitol Diastereomers on Polymer Properties and Applications in Melt Blending. <i>ACS Applied Polymer Materials</i> , 2022, 4, 5161-5172.	2.0	7
329	Half-Sandwich Iridium Complexes with Hydrazone Ligands: Synthesis and Catalytic Activity in <i>N</i> -Alkylation of Anilines or Nitroarenes with Alcohols via Hydrogen Autotransfer. <i>Inorganic Chemistry</i> , 2022, 61, 10310-10320.	1.9	11
330	Metal-Free Oxidative Annulation of Phenols and Amines: A General Synthesis of Benzoxazoles. <i>Journal of Organic Chemistry</i> , 2022, 87, 9112-9127.	1.7	5
331	Efficient and scalable synthesis of 1,5-diamino-2-hydroxy-pentane from l-lysine via cascade catalysis using engineered <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2022, 21, .	1.9	2

#	ARTICLE	IF	CITATIONS
332	Concerted catalysis of Ni-Pd/GO for selective nitriles hydrogenation to secondary amines. <i>Applied Catalysis A: General</i> , 2022, 643, 118750.	2.2	2
333	One-Pot Catalytic Conversion of Lignin-Derivable Guaiacols and Syringols to Cyclohexylamines. <i>ChemSusChem</i> , 2022, 15, .	3.6	8
334	Hydrogenation of lignin-derived feedstocks and bio-oil using active and stable ruthenium catalyst. <i>Catalysis Today</i> , 2023, 408, 139-149.	2.2	3
335	Hydrogen Borrowing: towards Aliphatic Tertiary Amines from Lignin Model Compounds Using a Supported Copper Catalyst. <i>ChemSusChem</i> , 2022, 15, .	3.6	6
336	Toward Renewable Amines: Recent Advances in the Catalytic Amination of Biomass-Derived Oxygenates. <i>ACS Catalysis</i> , 2022, 12, 10400-10440.	5.5	26
337	A simplified, green synthesis of tertiary amines using the Leuckart-Wallach reaction in subcritical water. <i>Tetrahedron Letters</i> , 2022, , 154079.	0.7	1
338	Radical-Mediated C-H Alkylation of Glycine Derivatives: A Straightforward Strategy for Diverse Unnatural Amino Acids. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	11
339	Polydiketoamines for a Circular Plastics Economy. <i>Accounts of Chemical Research</i> , 2022, 55, 2753-2765.	7.6	7
340	Cobalt nanoparticles embedded in a nitrogen-doped carbon matrix for reductive amination of biomass-derived furfural to furfurylamine. <i>Sustainable Energy and Fuels</i> , 2022, 6, 4692-4705.	2.5	3
341	Photo-driven metal-free multicomponent reaction between aldehydes, anilines and 4-substituted-DHPs for the synthesis of secondary amines. <i>Green Chemistry</i> , 2022, 24, 7968-7973.	4.6	6
342	Solvent/metal-free benzimidazolium-based carboxyl-functionalized porphyrin photocatalysts for the room-temperature alkylation of amines under the irradiation of visible light. <i>Catalysis Science and Technology</i> , 2022, 12, 5917-5931.	2.1	11
343	Primary amines from lignocellulose by direct amination of alcohol intermediates, catalyzed by RANEY® Ni. <i>Catalysis Science and Technology</i> , 2022, 12, 5908-5916.	2.1	8
344	Effective Magnesium-catalyzed Hydroboration of Nitriles and Imines. <i>Asian Journal of Organic Chemistry</i> , 0, , .	1.3	1
345	A Diamine-Oriented Biorefinery Concept Using Ammonia and Raney Ni as a Multifaceted Catalyst. <i>Chemie-Ingenieur-Technik</i> , 2022, 94, 1808-1817.	0.4	2
346	Catalytic reductive amination of furfural to furfurylamine on robust ultra-small Ni nanoparticles. <i>Nano Research</i> , 2023, 16, 3719-3729.	5.8	13
347	Exploring New Horizons for Bio-Based Poly(furfuryl alcohol) by Exploiting Functionalities Offered by Side Reactions. <i>ACS Macro Letters</i> , 2022, 11, 1202-1206.	2.3	7
348	Engineering Semiconductor Quantum Dots for Selectivity Switch on High-Performance Heterogeneous Coupling Photosynthesis. <i>ACS Nano</i> , 2022, 16, 17444-17453.	7.3	60
349	Free Amine-Directed Ru(II)-Catalyzed Redox-Neutral [4 + 2] C-H Activation/Annulation of Benzylamines with Sulfoxonium Ylides. <i>Journal of Organic Chemistry</i> , 2022, 87, 12608-12621.	1.7	2

#	ARTICLE	IF	CITATIONS
351	Formation of Robust and Adaptive Biopolymers via Non-Covalent Supramolecular Interactions. <i>Macromolecular Rapid Communications</i> , 2023, 44, .	2.0	0
352	Water-Induced Self-Blown Non-Isocyanate Polyurethane Foams. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	28
353	Polymers without Petrochemicals: Sustainable Routes to Conventional Monomers. <i>Chemical Reviews</i> , 2023, 123, 2609-2734.	23.0	53
354	Reductive Amination of Biomass-Derived 2-Hydroxytetrahydropyran into 5-Amino-1-Pentanol Over Hydroxylapatite Nanorod Supported Ni Catalysts. <i>Catalysis Letters</i> , 2023, 153, 2813-2823.	1.4	2
355	Water-Induced Self-Blown Non-Isocyanate Polyurethane Foams. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
356	Modulating Catalytic Selectivity by Base Addition in Aqueous Reductive Amination of 1,6-Hexanediol Using Ru/C. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 14560-14567.	3.2	6
357	Recent Catalytic Advances on the Sustainable Production of Primary Furanic Amines from the One-Pot Reductive Amination of 5-Hydroxymethylfurfural. <i>ChemSusChem</i> , 2023, 16, .	3.6	11
358	Sustainable cycloaliphatic polyurethanes: from synthesis to applications. <i>Chemical Society Reviews</i> , 2023, 52, 277-317.	18.7	25
359	Molecular design of reactive flame retardant for preparing biobased flame retardant polyamide 56. <i>Polymer Degradation and Stability</i> , 2023, 207, 110212.	2.7	8
360	Calcium-catalysed synthesis of amines through imine hydrosilylation: an experimental and theoretical study. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 1038-1045.	1.5	1
361	Brønsted acid catalyzed Prins-Ritter reaction for selective synthesis of terpenoid-derived 4-amidotetrahydropyran compounds. <i>Applied Catalysis A: General</i> , 2023, 649, 118967.	2.2	7
362	High yield production of 1,4-cyclohexanediol and 1,4-cyclohexanediamine from high molecular-weight lignin oil. <i>Green Chemistry</i> , 2023, 25, 211-220.	4.6	6
363	Decoration of Ru nanoparticles with mononuclear MoO _x boosts the hydrodeoxygenation of amides to amines. <i>Journal of Catalysis</i> , 2023, 417, 301-313.	3.1	3
364	“œå, -åCE-èŠ ³ çf fèf°åCE-åå°”ç”ç©¶. <i>Scientia Sinica Chimica</i> , 2022, , .	0.2	0
365	Organocatalytic [2 + 2] Photopolymerization under Visible Light: Accessing Sustainable Polymers from Cinnamic Acids. <i>Macromolecular Rapid Communications</i> , 0, , 2200702.	2.0	1
366	A sustainable process to 100% bio-based nylons integrated chemical and biological conversion of lignocellulose. <i>Green Energy and Environment</i> , 2024, 9, 390-402.	4.7	1
367	Synthesis of Unprotected Î ² -Arylethylamines by Iron(II)-Catalyzed 1,2-Aminoarylation of Alkenes in Hexafluoroisopropanol. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	14
368	Priamine 1075 and catechol carbonate, a perfect match for ecofriendly production of a new renewable polyurea for sustainable flexible food packaging. <i>Polymer</i> , 2023, 267, 125641.	1.8	1

#	ARTICLE	IF	CITATIONS
369	Synthesis of Unprotected α -Arylethylamines by Iron(II)-Catalyzed 1,2-Aminoarylation of Alkenes in Hexafluoroisopropanol. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	2
370	A new transient directing group diethoxyethyl- α -proline facilitates <i>ortho</i> -arylation of aryl-amines/amino acids <i>via</i> Pd-catalyzed C(sp ²)-H activation. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 1468-1477.	1.5	2
371	A metal-free protocol for the preparation of amines using ammonia borane under mild conditions. <i>Organic Chemistry Frontiers</i> , 2023, 10, 970-976.	2.3	4
372	Practical N-alkylation via homogeneous iridium-catalyzed direct reductive amination. <i>Science China Chemistry</i> , 0, , .	4.2	0
373	Bio-benzoxazine structural design strategy toward highly thermally stable and intrinsically flame-retardant thermosets. <i>Chemical Engineering Journal</i> , 2023, 457, 141232.	6.6	12
374	Closing carbon and nitrogen cycles and addressing a critical global challenge: From seafood waste to sustainable chemicals. <i>Journal of Cleaner Production</i> , 2023, 388, 135931.	4.6	2
375	Chitosan modified with bio-extract as an antibacterial coating with UV filtering feature. <i>International Journal of Biological Macromolecules</i> , 2023, 230, 123145.	3.6	6
376	Catalytic Production of Functional Monomers from Lysine and Their Application in High-Valued Polymers. <i>Catalysts</i> , 2023, 13, 56.	1.6	0
377	Direct Activation of the C(sp ³)-NH ₂ Bond of Primary Aliphatic Alkylamines by a High-Valent Co ^{III,IV} (μ -O) ₂ Diamond Core Complex. <i>Journal of the American Chemical Society</i> , 2023, 145, 2690-2697.	6.6	0
378	A binuclear aluminium complex as a single competent catalyst for efficient synthesis of urea, biuret, isourea, isothiourea, phosphorylguanidine, and quinazolinones. <i>RSC Advances</i> , 2023, 13, 3020-3032.	1.7	4
379	A Brief Review: Advancement in the Synthesis of Amine through the Leuckart Reaction. <i>Reactions</i> , 2023, 4, 117-147.	0.9	1
380	Optimization and Kinetic Evaluation for Glycolytic Depolymerization of Post-Consumer PET Waste with Sodium Methoxide. <i>Polymers</i> , 2023, 15, 687.	2.0	7
381	Pd/Chitosan Nanoparticle Catalysts Prepared by Solid Mortar Grinding for Hydrogenation of Nitroarenes. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 1643-1654.	3.2	4
382	Valorization of lignin for renewable non-isocyanate polyurethanes: a state-of-the-art review. <i>Materials Today Sustainability</i> , 2023, 22, 100367.	1.9	9
383	NiCo/Al ₂ O ₃ nanocatalysts for the synthesis of 5-amino-1-pentanol and 1,5-pentanediol from biomass-derived 2-hydroxytetrahydropyran. <i>Green Chemical Engineering</i> , 2024, 5, 119-131.	3.3	1
384	Ruthenium-Catalyzed Direct Reductive Amination of Carbonyl Compounds for the Synthesis of Amines: An Overview. <i>European Journal of Organic Chemistry</i> , 2023, 26, .	1.2	7
385	Natural attapulgitite supported nano-Ni catalysts for the efficient reductive amination of biomass-derived aldehydes and ketones. <i>Green Synthesis and Catalysis</i> , 2024, 5, 42-50.	3.7	2
386	Synthesis, Curing and Thermal Behavior of Amine Hardeners from Potentially Renewable Sources. <i>Polymers</i> , 2023, 15, 990.	2.0	2

#	ARTICLE	IF	CITATIONS
387	One-pot terpolymerization of CHO, CO ₂ and lactide using chloride indium catalysts. Dalton Transactions, 2023, 52, 3482-3492.	1.6	3
388	Ligand-enabled silver-catalyzed carbene insertion into the N-H bond of aliphatic and electron-rich aromatic amines. Organic Chemistry Frontiers, 2023, 10, 1746-1753.	2.3	2
389	Reduction of Nitro Group by Sulfide and Its Applications in Amine Synthesis. Chinese Journal of Organic Chemistry, 2023, 43, 491.	0.6	2
390	Current Approaches for Polyurethane Production from Lignin. , 2023, , 153-202.		0
391	Distal Amidoketone Synthesis Enabled by Dimethyl Benziodoxoles via Dual Copper/Photoredox Catalysis. ACS Catalysis, 2023, 13, 3749-3756.	5.5	7
392	Mechanistic kinetic modeling of the rhodium-catalyzed tandem hydroaminomethylation of 1-decene in a thermomorphic solvent system. Catalysis Communications, 2023, 177, 106633.	1.6	1
393	Recent Advances in the Efficient Synthesis of Useful Amines from Biomass-Based Furan Compounds and Their Derivatives over Heterogeneous Catalysts. Catalysis, 2023, 13, 528.	1.6	1
394	Solvent-Free Choline Derivative Synthesis as a Powerful Organic Synthesis Medium. ChemistrySelect, 2023, 8, .	0.7	1
395	Tertiary Amines from RCF Lignin Mono- and Dimers: Catalytic N-Functionalized Antioxidants from Wood. ACS Sustainable Chemistry and Engineering, 2023, 11, 4776-4788.	3.2	7
396	Co@CoO-catalyzed reductive amination driven by hydride-like NH ₂ ⁻ species. Chinese Journal of Catalysis, 2023, 47, 181-190.	6.9	3
397	Microwave-Assisted Reductive Amination of Aldehydes and Ketones Over Rhodium-Based Heterogeneous Catalysts. ChemPlusChem, 2023, 88, .	1.3	1
398	Solventless Amination of Lignin and Natural Phenolics using 2-Oxazolidinone. ChemSusChem, 2023, 16, .	3.6	0
399	How intermediate analysis inspires selectivity control for the catalytic reductive amination of carbohydrates toward ethylene polyamines. Chem Catalysis, 2023, , 100602.	2.9	0
400	Cyclic carbonates as building blocks for non-isocyanate polyurethanes. Journal of Applied Polymer Science, 0, , .	1.3	1
401	A review on the synthesis of maleic anhydride based polyurethanes from renewable feedstock for different industrial applications. Journal of Polymer Research, 2023, 30, .	1.2	3
426	Ammonia surrogates in the synthesis of primary amines. Organic and Biomolecular Chemistry, 2023, 21, 7036-7051.	1.5	2
431	Producing N-Containing Chemicals from Biomass for High Performance Thermosets. Biofuels and Biorefineries, 2023, , 271-303.	0.5	0
432	Functional Group Transformation Via Carbonyl Derivatives. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
438	Syntheses of Biobased Polymers Using Bio/Naturally Derived Products. , 2023, , 31-57.		0
460	Synthesis of Amines from a Sustainable Perspective in Deep Eutectic Solvents, and Applications of Amines in Different Areas. , 2023, , 278-307.		0
461	Hydrogenation of amides to amines by heterogeneous catalysis: a review. Green Chemistry, 2024, 26, 2341-2364.	4.6	0