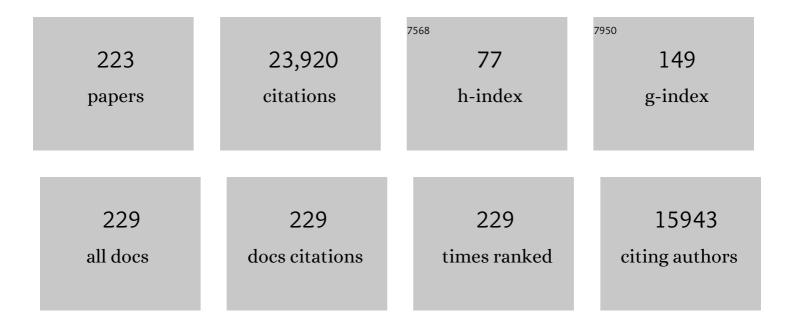
List of Publications by Year in descending order

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REDT F SELS

#	Article	IF	CITATIONS
1	Tree bark characterization envisioning an integrated use in a biorefinery. Biomass Conversion and Biorefinery, 2023, 13, 2029-2043.	4.6	17
2	Single site spectroscopy of transition metal ions and reactive oxygen complexes in zeolites. , 2023, , 148-164.		2
3	How substituent effects influence the thermodynamics and kinetics of gas-phase transesterification of alkyl lactates to lactide using TiO2/SiO2. Applied Catalysis B: Environmental, 2022, 300, 120747.	20.2	8
4	Identification and quantification of lignin monomers and oligomers from reductive catalytic fractionation of pine wood with GC — GC – FID/MS. Green Chemistry, 2022, 24, 191-206.	9.0	41
5	Establishing the Reaction Pathways of the Catalytic Conversion of Erythrulose to Sulphides of Alphaâ€Hydroxy Thioesters and Esters. ChemCatChem, 2022, 14, .	3.7	1
6	Building Pathways to a Sustainable Planet. ACS Sustainable Chemistry and Engineering, 2022, 10, 1-2.	6.7	1
7	Second-Sphere Lattice Effects in Copper and Iron Zeolite Catalysis. Chemical Reviews, 2022, 122, 12207-12243.	47.7	12
8	Ligninâ€First Monomers to Catechol: Rational Cleavage of Câ^'O and Câ^'C Bonds over Zeolites. ChemSusChem, 2022, 15, .	6.8	19
9	Kinetics of fatty acid ketonization in liquid phase with anatase and rutile TiO2 catalysts. Applied Catalysis B: Environmental, 2022, 305, 121052.	20.2	15
10	Preparation of Renewable Thiol‥ne "Click―Networks Based on Fractionated Lignin for Anticorrosive Protective Film Applications. Macromolecular Chemistry and Physics, 2022, 223, .	2.2	2
11	Catalytic Hydroconversion of 5â€HMF to Valueâ€Added Chemicals: Insights into the Role of Catalyst Properties and Feedstock Purity. ChemSusChem, 2022, 15, .	6.8	22
12	Potassium-Modified ZSM-5 Catalysts for Methyl Acrylate Formation from Methyl Lactate: The Impact of the Intrinsic Properties on Their Stability and Selectivity. ACS Sustainable Chemistry and Engineering, 2022, 10, 6196-6204.	6.7	10
13	One-Pot Consecutive Reductive Amination Synthesis of Pharmaceuticals: From Biobased Glycolaldehyde to Hydroxychloroquine. ACS Sustainable Chemistry and Engineering, 2022, 10, 6503-6508.	6.7	7
14	Guidelines for performing lignin-first biorefining. Energy and Environmental Science, 2021, 14, 262-292.	30.8	416
15	Catalytic advancements in carboxylic acid ketonization and its perspectives on biomass valorisation. Applied Catalysis B: Environmental, 2021, 283, 119607.	20.2	52
16	Toward Replacing Ethylene Oxide in a Sustainable World: Glycolaldehyde as a Bioâ€Based C 2 Platform Molecule. Angewandte Chemie, 2021, 133, 12312-12331.	2.0	5
17	Toward Replacing Ethylene Oxide in a Sustainable World: Clycolaldehyde as a Bioâ€Based C ₂ Platform Molecule. Angewandte Chemie - International Edition, 2021, 60, 12204-12223.	13.8	47
18	Techno-economic analysis and life cycle assessment of a biorefinery utilizing reductive catalytic fractionation. Energy and Environmental Science, 2021, 14, 4147-4168.	30.8	106

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19	Homogeneous and heterogeneous catalysts for hydrogenation of CO ₂ to methanol under mild conditions. Chemical Society Reviews, 2021, 50, 4259-4298.	38.1	167
20	A guide towards safe, functional and renewable BPA alternatives by rational molecular design: structure–property and structure–toxicity relationships. Polymer Chemistry, 2021, 12, 5870-5901.	3.9	19
21	Boosting PLA melt strength by controlling the chirality of co-monomer incorporation. Chemical Science, 2021, 12, 5672-5681.	7.4	20
22	Assessment of the environmental sustainability of solvent-less fatty acid ketonization to bio-based ketones for wax emulsion applications. Green Chemistry, 2021, 23, 7137-7161.	9.0	9
23	Low molecular weight and highly functional RCF lignin products as a full bisphenol a replacer in bio-based epoxy resins. Chemical Communications, 2021, 57, 5642-5645.	4.1	28
24	Efficient demethylation of aromatic methyl ethers with HCl in water. Green Chemistry, 2021, 23, 1995-2009.	9.0	28
25	Fast and Selective Solvent-Free Branching of Unsaturated Fatty Acids with Hierarchical ZSM-5. ACS Sustainable Chemistry and Engineering, 2021, 9, 4357-4362.	6.7	6
26	Shaping Effective Practices for Incorporating Sustainability Assessment in Manuscripts Submitted to <i>ACS Sustainable Chemistry & Engineering</i> : Catalysis and Catalytic Processes. ACS Sustainable Chemistry and Engineering, 2021, 9, 4936-4940.	6.7	34
27	Highly Dispersed Sn-beta Zeolites as Active Catalysts for Baeyer–Villiger Oxidation: The Role of Mobile, <i>In Situ</i> Sn(II)O Species in Solid-State Stannation. ACS Catalysis, 2021, 11, 5984-5998.	11.2	35
28	Coordination and activation of nitrous oxide by iron zeolites. Nature Catalysis, 2021, 4, 332-340.	34.4	49
29	Spectroscopic Definition of a Highly Reactive Site in Cu-CHA for Selective Methane Oxidation: Tuning a Mono-μ-Oxo Dicopper(II) Active Site for Reactivity. Journal of the American Chemical Society, 2021, 143, 7531-7540.	13.7	44
30	Metal Sulfide Photocatalysts for Lignocellulose Valorization. Advanced Materials, 2021, 33, e2007129.	21.0	106
31	How Trace Impurities Can Strongly Affect the Hydroconversion of Biobased 5-Hydroxymethylfurfural?. ACS Catalysis, 2021, 11, 9204-9209.	11.2	19
32	Cage effects control the mechanism of methane hydroxylation in zeolites. Science, 2021, 373, 327-331.	12.6	61
33	A Cooperative OSDA Blueprint for Highly Siliceous Faujasite Zeolite Catalysts with Enhanced Acidity Accessibility. Angewandte Chemie - International Edition, 2021, 60, 24189-24197.	13.8	14
34	Selective Formation of α-Fe(II) Sites on Fe-Zeolites through One-Pot Synthesis. Journal of the American Chemical Society, 2021, 143, 16243-16255.	13.7	22
35	A Cooperative OSDA Blueprint for Highly Siliceous Faujasite Zeolite Catalysts with Enhanced Acidity Accessibility. Angewandte Chemie, 2021, 133, 24391.	2.0	5
36	Lignin-Based Additives for Improved Thermo-Oxidative Stability of Biolubricants. ACS Sustainable Chemistry and Engineering, 2021, 9, 12548-12559.	6.7	41

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37	Suppressing Dormant Ru States in the Presence of Conventional Metal Oxides Promotes the Ru-MACHO-BH-Catalyzed Integration of CO ₂ Capture and Hydrogenation to Methanol. ACS Catalysis, 2021, 11, 12682-12691.	11.2	8
38	The RCF biorefinery: Building on a chemical platform from lignin. Advances in Inorganic Chemistry, 2021, , 241-297.	1.0	8
39	Enhancing lignin depolymerization <i>via</i> a dithionite-assisted organosolv fractionation of birch sawdust. Green Chemistry, 2021, 23, 3268-3276.	9.0	13
40	Heterogeneous catalysts for CO ₂ hydrogenation to formic acid/formate: from nanoscale to single atom. Energy and Environmental Science, 2021, 14, 1247-1285.	30.8	152
41	Optical encoding of luminescent carbon nanodots in confined spaces. Chemical Communications, 2021, 57, 11952-11955.	4.1	1
42	Supported MoO _{<i>x</i>} and WO _{<i>x</i>} Solid Acids for Biomass Valorization: Interplay of Coordination Chemistry, Acidity, and Catalysis. ACS Catalysis, 2021, 11, 13603-13648.	11.2	38
43	Z-Scheme nanocomposite with high redox ability for efficient cleavage of lignin C–C bonds under simulated solar light. Green Chemistry, 2021, 23, 10071-10078.	9.0	30
44	Tandem Reduction–Reoxidation Augments the Catalytic Activity of Sn-Beta Zeolites by Redispersion and Respeciation of SnO ₂ Clusters. Chemistry of Materials, 2021, 33, 9366-9381.	6.7	10
45	Expectations for Perspectives in ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2021, 9, 16528-16530.	6.7	1
46	Glycolaldehyde as a Bio-Based C ₂ Platform Chemical: Catalytic Reductive Amination of Vicinal Hydroxyl Aldehydes. ACS Catalysis, 2020, 10, 391-404.	11.2	40
47	Rücktitelbild: BrÃ,nsted Acid Catalyzed Tandem Defunctionalization of Biorenewable Ferulic acid and Derivates into Bio atechol (Angew. Chem. 8/2020). Angewandte Chemie, 2020, 132, 3364-3364.	2.0	0
48	The Evolution of ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 1-1.	6.7	6
49	BrÃnsted Acid Catalyzed Tandem Defunctionalization of Biorenewable Ferulic acid and Derivates into Bioâ€Catechol. Angewandte Chemie, 2020, 132, 3087-3092.	2.0	11
50	BrÃnsted Acid Catalyzed Tandem Defunctionalization of Biorenewable Ferulic acid and Derivates into Bioâ€Catechol. Angewandte Chemie - International Edition, 2020, 59, 3063-3068.	13.8	31
51	Synthesis–Structure–Activity Relations in Fe-CHA for C–H Activation: Control of Al Distribution by Interzeolite Conversion. Chemistry of Materials, 2020, 32, 273-285.	6.7	51
52	Reductive catalytic fractionation of pine wood: elucidating and quantifying the molecular structures in the lignin oil. Chemical Science, 2020, 11, 11498-11508.	7.4	84
53	Towards Lignin-Derived Chemicals Using Atom-Efficient Catalytic Routes. Trends in Chemistry, 2020, 2, 898-913.	8.5	22
54	Perspective on Overcoming Scale-Up Hurdles for the Reductive Catalytic Fractionation of Lignocellulose Biomass. Industrial & Engineering Chemistry Research, 2020, 59, 17035-17045.	3.7	59

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#	Article	IF	CITATIONS
55	Expectations for Manuscripts in ACS Sustainable Chemistry & Engineering: Scope Summary and Call for Creativity. ACS Sustainable Chemistry and Engineering, 2020, 8, 16046-16047.	6.7	2
56	Expectations for Manuscripts on Biomass Feedstocks and Processing in <i>ACS Sustainable Chemistry & amp; Engineering</i> . ACS Sustainable Chemistry and Engineering, 2020, 8, 11031-11032.	6.7	2
57	Advances in the synthesis, characterisation, and mechanistic understanding of active sites in Fe-zeolites for redox catalysts. Dalton Transactions, 2020, 49, 14749-14757.	3.3	15
58	Remembering Professor, Academician, and Editor Lina Zhang. ACS Sustainable Chemistry and Engineering, 2020, 8, 16385-16385.	6.7	0
59	State of the Art and Perspectives of Hierarchical Zeolites: Practical Overview of Synthesis Methods and Use in Catalysis. Advanced Materials, 2020, 32, e2004690.	21.0	168
60	Aromatics Production from Lignocellulosic Biomass: Shape Selective Dealkylation of Lignin-Derived Phenolics over Hierarchical ZSM-5. ACS Sustainable Chemistry and Engineering, 2020, 8, 8713-8722.	6.7	45
61	Integrated techno-economic assessment of a biorefinery process: The high-end valorization of the lignocellulosic fraction in wood streams. Journal of Cleaner Production, 2020, 266, 122022.	9.3	45
62	The Changing Structure of Scientific Communication: Expanding the Nature of Letters Submissions to ACS Sustainable Chemistry & Engineering. ACS Sustainable Chemistry and Engineering, 2020, 8, 8469-8470.	6.7	0
63	A sustainable wood biorefinery for low–carbon footprint chemicals production. Science, 2020, 367, 1385-1390.	12.6	631
64	Complementing Vanillin and Cellulose Production by Oxidation of Lignocellulose with Stirring Control. ACS Sustainable Chemistry and Engineering, 2020, 8, 2361-2374.	6.7	49
65	Protection Strategies Enable Selective Conversion of Biomass. Angewandte Chemie, 2020, 132, 11800-11812.	2.0	19
66	The role of pretreatment in the catalytic valorization of cellulose. Molecular Catalysis, 2020, 487, 110883.	2.0	43
67	Expectations for Manuscripts on Catalysis in <i>ACS Sustainable Chemistry & Engineering</i> . ACS Sustainable Chemistry and Engineering, 2020, 8, 4995-4996.	6.7	14
68	Protection Strategies Enable Selective Conversion of Biomass. Angewandte Chemie - International Edition, 2020, 59, 11704-11716.	13.8	82
69	Catalytic Strategies Towards Lignin‑Derived Chemicals. Topics in Current Chemistry Collections, 2020, , 129-168.	0.5	10
70	Substrate-Specificity of <i>Candida rugosa</i> Lipase and Its Industrial Application. ACS Sustainable Chemistry and Engineering, 2019, 7, 15828-15844.	6.7	57
71	Reductive catalytic fractionation of black locust bark. Green Chemistry, 2019, 21, 5841-5851.	9.0	43
72	From rational design of a new bimetallic MOF family with tunable linkers to OER catalysts. Journal of Materials Chemistry A, 2019, 7, 1616-1628.	10.3	148

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73	Introducing curcumin biosynthesis in Arabidopsis enhances lignocellulosic biomass processing. Nature Plants, 2019, 5, 225-237.	9.3	50
74	Aerosol Route to TiO ₂ –SiO ₂ Catalysts with Tailored Pore Architecture and High Epoxidation Activity. Chemistry of Materials, 2019, 31, 1610-1619.	6.7	50
75	Catalytic Byproduct Valorization in Future Biorefineries. ACS Sustainable Chemistry and Engineering, 2019, 7, 2878-2878.	6.7	4
76	Advances in porous and nanoscale catalysts for viable biomass conversion. Chemical Society Reviews, 2019, 48, 2366-2421.	38.1	457
77	Bio-based Aromatic Amines from Lignin-Derived Monomers. ACS Sustainable Chemistry and Engineering, 2019, 7, 6906-6916.	6.7	52
78	Regioselective synthesis, isomerisation, <i>in vitro</i> oestrogenic activity, and copolymerisation of bisguaiacol F (BGF) isomers. Green Chemistry, 2019, 21, 6622-6633.	9.0	28
79	Bioâ€Acrylates Production: Recent Catalytic Advances and Perspectives of the Use of Lactic Acid and Their Derivates. ChemCatChem, 2019, 11, 180-201.	3.7	43
80	Reductive catalytic fractionation: state of the art of the lignin-first biorefinery. Current Opinion in Biotechnology, 2019, 56, 193-201.	6.6	264
81	Why Wasn't My <i>ACS Sustainable Chemistry & Engineering</i> Manuscript Sent Out for Review?. ACS Sustainable Chemistry and Engineering, 2019, 7, 1-2.	6.7	5
82	Silica–Carbon Nanocomposite Acid Catalyst with Large Mesopore Interconnectivity by Vapor-Phase Assisted Hydrothermal Treatment. ACS Sustainable Chemistry and Engineering, 2018, 6, 7859-7870.	6.7	15
83	Branching-First: Synthesizing C–C Skeletal Branched Biobased Chemicals from Sugars. ACS Sustainable Chemistry and Engineering, 2018, 6, 7940-7950.	6.7	5
84	Catalytic Reductive Aminolysis of Reducing Sugars: Elucidation of Reaction Mechanism. ACS Catalysis, 2018, 8, 4201-4212.	11.2	24
85	Shape selectivity vapor-phase conversion of lignin-derived 4-ethylphenol to phenol and ethylene over acidic aluminosilicates: Impact of acid properties and pore constraint. Applied Catalysis B: Environmental, 2018, 234, 117-129.	20.2	75
86	Straightforward sustainability assessment of sugar-derived molecules from first-generation biomass. Current Opinion in Green and Sustainable Chemistry, 2018, 10, 11-20.	5.9	18
87	Catalytic Gasâ€Phase Production of Lactide from Renewable Alkyl Lactates. Angewandte Chemie - International Edition, 2018, 57, 3074-3078.	13.8	71
88	Promising bulk production of a potentially benign bisphenol A replacement from a hardwood lignin platform. Green Chemistry, 2018, 20, 1050-1058.	9.0	66
89	Vapor-phase assisted hydrothermal carbon from sucrose and its application in acid catalysis. Green Chemistry, 2018, 20, 1345-1353.	9.0	32
90	Iron and Copper Active Sites in Zeolites and Their Correlation to Metalloenzymes. Chemical Reviews, 2018, 118, 2718-2768.	47.7	263

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91	Kinetics of homogeneous and heterogeneous reactions in the reductive aminolysis of glucose with dimethylamine. Applied Catalysis B: Environmental, 2018, 227, 161-169.	20.2	12
92	Chemicals from lignin: an interplay of lignocellulose fractionation, depolymerisation, and upgrading. Chemical Society Reviews, 2018, 47, 852-908.	38.1	1,708
93	Advancing the Use of Sustainability Metrics in <i>ACS Sustainable Chemistry & Engineering</i> . ACS Sustainable Chemistry and Engineering, 2018, 6, 1-1.	6.7	34
94	Structural characterization of a non-heme iron active site in zeolites that hydroxylates methane. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4565-4570.	7.1	66
95	Recrystallization on Alkaline Treated Zeolites in the Presence of Pore-Directing Agents. Crystal Growth and Design, 2018, 18, 2010-2015.	3.0	5
96	Catalytic Gasâ€Phase Production of Lactide from Renewable Alkyl Lactates. Angewandte Chemie, 2018, 130, 3128-3132.	2.0	18
97	Synthetic and Catalytic Potential of Amorphous Mesoporous Aluminosilicates Prepared by Postsynthetic Aluminations of Silica in Aqueous Media. ChemCatChem, 2018, 10, 1385-1397.	3.7	7
98	Mechanism of selective benzene hydroxylation catalyzed by iron-containing zeolites. Proceedings of the United States of America, 2018, 115, 12124-12129.	7.1	17
99	Direct upstream integration of biogasoline production into current light straight run naphtha petrorefinery processes. Nature Energy, 2018, 3, 969-977.	39.5	58
100	Catalytic Gasâ€Phase Cyclization of Glycolate Esters: A Novel Route Toward Glycolideâ€Based Bioplastics. ChemCatChem, 2018, 10, 5649-5655.	3.7	10
101	Functionalised heterogeneous catalysts for sustainable biomass valorisation. Chemical Society Reviews, 2018, 47, 8349-8402.	38.1	493
102	Spectroscopic Identification of the α-Fe/α-O Active Site in Fe-CHA Zeolite for the Low-Temperature Activation of the Methane C–H Bond. Journal of the American Chemical Society, 2018, 140, 12021-12032.	13.7	83
103	Sulfonated mesoporous carbon and silica-carbon nanocomposites for biomass conversion. Applied Catalysis B: Environmental, 2018, 236, 518-545.	20.2	100
104	Perspective on Lignin Oxidation: Advances, Challenges, and Future Directions. Topics in Current Chemistry, 2018, 376, 30.	5.8	66
105	Second-Sphere Effects on Methane Hydroxylation in Cu-Zeolites. Journal of the American Chemical Society, 2018, 140, 9236-9243.	13.7	58
106	Propylphenol to Phenol and Propylene over Acidic Zeolites: Role of Shape Selectivity and Presence of Steam. ACS Catalysis, 2018, 8, 7861-7878.	11.2	59
107	Catalytic lignocellulose biorefining in <i>n</i> -butanol/water: a one-pot approach toward phenolics, polyols, and cellulose. Green Chemistry, 2018, 20, 4607-4619.	9.0	113
108	Titania-Silica Catalysts for Lactide Production from Renewable Alkyl Lactates: Structure–Activity Relations. ACS Catalysis, 2018, 8, 8130-8139.	11.2	70

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109	Catalytic Strategies Towards Lignin-Derived Chemicals. Topics in Current Chemistry, 2018, 376, 36.	5.8	75
110	Atomic scale reversible opto-structural switching of few atom luminescent silver clusters confined in LTA zeolites. Nanoscale, 2018, 10, 11467-11476.	5.6	40
111	Tin triflate-catalyzed conversion of cellulose to valuable (α-hydroxy-) esters. Catalysis Today, 2017, 279, 339-344.	4.4	46
112	Sustainable bisphenols from renewable softwood lignin feedstock for polycarbonates and cyanate ester resins. Green Chemistry, 2017, 19, 2561-2570.	9.0	102
113	Lignin-first biomass fractionation: the advent of active stabilisation strategies. Energy and Environmental Science, 2017, 10, 1551-1557.	30.8	503
114	Lewis acid catalysis on single site Sn centers incorporated into silica hosts. Coordination Chemistry Reviews, 2017, 343, 220-255.	18.8	87
115	Integrating lignin valorization and bio-ethanol production: on the role of Ni-Al ₂ O ₃ catalyst pellets during lignin-first fractionation. Green Chemistry, 2017, 19, 3313-3326.	9.0	251
116	Zeolites as sustainable catalysts for the selective synthesis of renewable bisphenols from ligninâ€derived monomers. ChemSusChem, 2017, 10, 2249-2257.	6.8	31
117	Unconventional Pretreatment of Lignocellulose with Lowâ€Temperature Plasma. ChemSusChem, 2017, 10, 14-31.	6.8	63
118	Acidic mesostructured silica-carbon nanocomposite catalysts for biofuels and chemicals synthesis from sugars in alcoholic solutions. Applied Catalysis B: Environmental, 2017, 206, 74-88.	20.2	42
119	Four Years of ACS Sustainable Chemistry & Engineering: Reflections and New Developments. ACS Sustainable Chemistry and Engineering, 2017, 5, 1-2.	6.7	8
120	Identification of α-Fe in High-Silica Zeolites on the Basis of ab Initio Electronic Structure Calculations. Inorganic Chemistry, 2017, 56, 10681-10690.	4.0	24
121	Bio-based amines through sustainable heterogeneous catalysis. Green Chemistry, 2017, 19, 5303-5331.	9.0	210
122	Lowâ€Temperature Reductive Aminolysis of Carbohydrates to Diamines and Aminoalcohols by Heterogeneous Catalysis. Angewandte Chemie - International Edition, 2017, 56, 14540-14544.	13.8	47
123	Lowâ€Temperature Reductive Aminolysis of Carbohydrates to Diamines and Aminoalcohols by Heterogeneous Catalysis. Angewandte Chemie, 2017, 129, 14732-14736.	2.0	11
124	Heterogeneous catalysis for bio-based polyester monomers from cellulosic biomass: advances, challenges and prospects. Green Chemistry, 2017, 19, 5012-5040.	9.0	141
125	Scalable Synthesis of Acidic Mesostructured Silica–Carbon Nanocomposite Catalysts by Rotary Evaporation. ChemCatChem, 2017, 9, 65-69.	3.7	6
126	Barriers and Chemistry in a Bottle: Mechanisms in Today's Oxygen Barriers for Tomorrow's Materials. Applied Sciences (Switzerland), 2017, 7, 665.	2.5	35

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127	Lactide Synthesis and Chirality Control for Polylactic acid Production. ChemSusChem, 2016, 9, 907-921.	6.8	118
128	$Sn\hat{l}^2$ -zeolite catalyzed oxido-reduction cascade chemistry with biomass-derived molecules. Chemical Communications, 2016, 52, 6712-6715.	4.1	35
129	Heterogeneous conjugation of vegetable oil with alkaline treated highly dispersed Ru/USY catalysts. Applied Catalysis A: General, 2016, 526, 172-182.	4.3	11
130	Selective Conversion of Lignin-Derivable 4-Alkylguaiacols to 4-Alkylcyclohexanols over Noble and Non-Noble-Metal Catalysts. ACS Sustainable Chemistry and Engineering, 2016, 4, 5336-5346.	6.7	66
131	Synergetic Effects of Alcohol/Water Mixing on the Catalytic Reductive Fractionation of Poplar Wood. ACS Sustainable Chemistry and Engineering, 2016, 4, 6894-6904.	6.7	120
132	Enhanced Acidity and Accessibility in Al-MCM-41 through Aluminum Activation. Chemistry of Materials, 2016, 28, 7731-7743.	6.7	32
133	Opportunities of Immobilized Homogeneous Metathesis Complexes as Prominent Heterogeneous Catalysts. ChemCatChem, 2016, 8, 3010-3030.	3.7	44
134	Identifying Sn Site Heterogeneities Prevalent Among Snâ€Beta Zeolites. Helvetica Chimica Acta, 2016, 99, 916-927.	1.6	44
135	The active site of low-temperature methane hydroxylation in iron-containing zeolites. Nature, 2016, 536, 317-321.	27.8	331
136	Compositional and structural feedstock requirements of a liquid phase cellulose-to-naphtha process in a carbon- and hydrogen-neutral biorefinery context. Green Chemistry, 2016, 18, 5594-5606.	9.0	23
137	Reductive splitting of hemicellulose with stable ruthenium-loaded USY zeolites. Green Chemistry, 2016, 18, 5295-5304.	9.0	26
138	Depolymerization of 1,4-polybutadiene by metathesis: high yield of large macrocyclic oligo(butadiene)s by ligand selectivity control. Catalysis Science and Technology, 2016, 6, 7708-7717.	4.1	16
139	Synthesis of Novel Renewable Polyesters and Polyamides with Olefin Metathesis. ACS Sustainable Chemistry and Engineering, 2016, 4, 5943-5952.	6.7	19
140	The importance of pretreatment and feedstock purity in the reductive splitting of (ligno)cellulose by metal supported USY zeolite. Green Chemistry, 2016, 18, 2095-2105.	9.0	35
141	Influence of Acidic (H ₃ PO ₄) and Alkaline (NaOH) Additives on the Catalytic Reductive Fractionation of Lignocellulose. ACS Catalysis, 2016, 6, 2055-2066.	11.2	191
142	Potential and challenges of zeolite chemistry in the catalytic conversion of biomass. Chemical Society Reviews, 2016, 45, 584-611.	38.1	619
143	An Inner-/Outer-Sphere Stabilized Sn Active Site in β-Zeolite: Spectroscopic Evidence and Kinetic Consequences. ACS Catalysis, 2016, 6, 31-46.	11.2	89
144	Molecular design of sulfonated hyperbranched poly(arylene oxindole)s for efficient cellulose conversion to levulinic acid. Green Chemistry, 2016, 18, 1694-1705.	9.0	53

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145	Synthesis, characterisation, and catalytic evaluation of hierarchical faujasite zeolites: milestones, challenges, and future directions. Chemical Society Reviews, 2016, 45, 3331-3352.	38.1	271
146	Alkylphenols to phenol and olefins by zeolite catalysis: a pathway to valorize raw and fossilized lignocellulose. Green Chemistry, 2016, 18, 297-306.	9.0	105
147	Catalyst Design by NH ₄ OH Treatment of USY Zeolite. Advanced Functional Materials, 2015, 25, 7130-7144.	14.9	76
148	Alkali Activation of AOD Stainless Steel Slag Under Steam Curing Conditions. Journal of the American Ceramic Society, 2015, 98, 3062-3074.	3.8	17
149	An Ecoâ€friendly Soft Template Synthesis of Mesostructured Silicaâ€Carbon Nanocomposites for Acid Catalysis. ChemCatChem, 2015, 7, 3047-3058.	3.7	16
150	Tuning the lignin oil OH-content with Ru and Pd catalysts during lignin hydrogenolysis on birch wood. Chemical Communications, 2015, 51, 13158-13161.	4.1	298
151	Potential of Sustainable Hierarchical Zeolites in the Valorization of αâ€Pinene. ChemSusChem, 2015, 8, 1197-1205.	6.8	41
152	Thermally activated LTA(Li)–Ag zeolites with water-responsive photoluminescence properties. Journal of Materials Chemistry C, 2015, 3, 11857-11867.	5.5	70
153	Conceptual Frame Rationalizing the Self-Stabilization of H-USY Zeolites in Hot Liquid Water. ACS Catalysis, 2015, 5, 754-768.	11.2	70
154	Cooperative Catalysis for Multistep Biomass Conversion with Sn/Al Beta Zeolite. ACS Catalysis, 2015, 5, 928-940.	11.2	164
155	Shape-selective zeolite catalysis for bioplastics production. Science, 2015, 349, 78-80.	12.6	289
156	Spectroscopic Definition of the Copper Active Sites in Mordenite: Selective Methane Oxidation. Journal of the American Chemical Society, 2015, 137, 6383-6392.	13.7	243
157	Reductive lignocellulose fractionation into soluble lignin-derived phenolic monomers and dimers and processable carbohydrate pulps. Energy and Environmental Science, 2015, 8, 1748-1763.	30.8	688
158	Selective Nickelâ€Catalyzed Conversion of Model and Ligninâ€Derived Phenolic Compounds to Cyclohexanoneâ€Based Polymer Building Blocks. ChemSusChem, 2015, 8, 1805-1818.	6.8	137
159	Review of catalytic systems and thermodynamics for the Guerbet condensation reaction and challenges for biomass valorization. Catalysis Science and Technology, 2015, 5, 3876-3902.	4.1	223
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