Anders Riisager

List of Publications by Year in Descending Order

195 papers	8,718 citations	51 h-index	89 g-index
214 ext. papers	9,715 ext. citations	6.3 avg, IF	6.49 L-index

#	Paper	IF	Citations
195	Improved Catalytic Transfer Hydrogenation of Biomass-Derived Aldehydes with Metal-Loaded Aluminum Phosphate. *ACS Sustainable Chemistry and Engineering*, **2022**, 10, 1536-1543	8.3	3
194	Sn-Beta Catalyzed Transformations of Sugars: Advances in Catalyst and Applications. *Catalysts*, **2022**, 12, 405	4	0
193	The influence of supports on Rh-TPPTS supported ionic liquid-phase catalysts for the hydroformylation of ethylene**. *ChemistrySelect*, **2021**, 6, 9888-9893	1.8	0
192	Insights into Ammonia Borane-Enabled Green Synthesis of N-Substituted Lactams from Biomass-Derived Keto Acids and Amines. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 4377-4382	8.3	1
191	Promoting Effect of Copper Loading and Mesoporosity on Cu-MOR in the Carbonylation of Dimethyl Ether to Methyl Acetate. *Catalysts*, **2021**, 11, 696	4	0
190	Modification of commercial Y zeolites by alkaline-treatment for improved performance in the isomerization of glucose to fructose. *Molecular Catalysis*, **2021**, 510, 111686	3.3	2
189	Ce and Ca/Nb doped Pd-mesocellular foam catalysts for gas-phase conversion of acetone to methyl isobutyl ketone. *Microporous and Mesoporous Materials*, **2021**, 322, 111169	5.3	2
188	Catalytic Transesterification Routes to Novel Vinyl Glycolate Derivatives of Polyhydric Alcohols. *Catalysis Letters*, **2021**, 151, 8-16	2.8	1
187	Recent advances in heterogeneous catalytic transfer hydrogenation/hydrogenolysis for valorization of biomass-derived furanic compounds. *Green Chemistry*, **2021**, 23, 670-688	10	27
186	Efficient valorization of biomass-derived furfural to fuel bio-additive over aluminum phosphate. *Applied Catalysis B: Environmental*, **2021**, 298, 120575	21.8	7
185	Oxidative depolymerization of Kraft lignin to high-value aromatics using a homogeneous vanadium–copper catalyst. *Catalysis Science and Technology*, **2021**, 11, 1843-1853	5.5	8
184	Elucidating the ionic liquid distribution in monolithic SILP hydroformylation catalysts by magnetic resonance imaging.. *RSC Advances*, **2020**, 10, 18487-18495	3.7	9
183	Synthesis of Nixantphos Core-Functionalized Amphiphilic Nanoreactors and Application to Rhodium-Catalyzed Aqueous Biphasic 1-Octene Hydroformylation. *Polymers*, **2020**, 12,	4.5	9
182	Advances in the synthesis and application of 2,5-furandicarboxylic acid **2020**, 135-170		4
181	Monolithic SiC supports with tailored hierarchical porosity for molecularly selective membranes and supported liquid-phase catalysis. *Catalysis Today*, **2020**, 383, 44-44	5.3	5
180	NH3-SCR of NO with novel active, supported vanadium-containing Keggin-type heteropolyacid catalysts. *Reaction Chemistry and Engineering*, **2020**, 5, 935-948	4.9	7
179	Continuous gas-phase hydroformylation of but-1-ene in a membrane reactor by supported liquid-phase (SLP) catalysis. *Green Chemistry*, **2020**, 22, 5691-5700	10	16

178	Influence of gas impurities on the hydrogenation of CO2 to methanol using indium-based catalysts. *Catalysis Science and Technology*, **2020**, 10, 7309-7322	5.5	4
177	Sustainable access to renewable N-containing chemicals from reductive amination of biomass-derived platform compounds. *Green Chemistry*, **2020**, 22, 6714-6747	10	34
176	The influence of gas impurities on the performance of In2O3/ZrO2 catalysts for CO2 hydrogenation to methanol. *Chemie-Ingenieur-Technik*, **2020**, 92, 1354-1355	0.8	
175	Ammonia borane enabled upgrading of biomass derivatives at room temperature. *Green Chemistry*, **2020**, 22, 5972-5977	10	7
174	New synthetic approaches to biofuels from lignocellulosic biomass. *Current Opinion in Green and Sustainable Chemistry*, **2020**, 21, 16-21	7.9	35
173	Preface to 18th Nordic Symposium on Catalysis 2018. *Topics in Catalysis*, **2019**, 62, 589-589	2.3	
172	Homogeneously-catalysed hydrogen release/storage using the 2-methylindole/2-methylindoline LOHC system in molten salt-organic biphasic reaction systems. *Chemical Communications*, **2019**, 55, 2046-2049	5.8	10
171	Exploring the Synthesis of Mesoporous Stannosilicates as Catalysts for the Conversion of Mono- and Oligosaccharides into Methyl Lactate. *Topics in Catalysis*, **2019**, 62, 628-638	2.3	5
170	Oxidative Depolymerization of Kraft Lignin for Microbial Conversion. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 11640-11652	8.3	34
169	Highly Efficient Rh-catalysts Immobilised by □-Stacking for the Asymmetric Hydroformylation of Norbornene under Continuous Flow Conditions. *ChemCatChem*, **2019**, 11, 2195-2205	5.2	21
168	Oxidative Depolymerisation of Lignosulphonate Lignin into Low-Molecular-Weight Products with Cu□Mn/□Al2O3. *Topics in Catalysis*, **2019**, 62, 639-648	2.3	17
167	Uncharted Pathways for CrCl3 Catalyzed Glucose Conversion in Aqueous Solution. *Topics in Catalysis*, **2019**, 62, 669-677	2.3	3
166	Hierarchically constructed NiO with improved performance for catalytic transfer hydrogenation of biomass-derived aldehydes. *Catalysis Science and Technology*, **2019**, 9, 1289-1300	5.5	30
165	MnOx/P25 with tuned surface structures of anatase-rutile phase for aerobic oxidation of 5-hydroxymethylfurfural into 2,5-diformylfuran. *Catalysis Today*, **2019**, 319, 105-112	5.3	19
164	Ru-Doped Wells-Dawson Polyoxometalate as Efficient Catalyst for Glycerol Hydrogenolysis to Propanediols. *Materials*, **2019**, 12,	3.5	7
163	Selective formation of formic acid from biomass-derived glycolaldehyde with supported ruthenium hydroxide catalysts. *Catalysis Science and Technology*, **2019**, 9, 4384-4392	5.5	8
162	Ru-Catalyzed Oxidative Cleavage of Guaiacyl Glycerol--Guaiacyl Ether-a Representative -O-4 Lignin Model Compound. *Catalysts*, **2019**, 9, 832	4	3
161	Fifteen Years of Supported Ionic Liquid Phase-Catalyzed Hydroformylation: Material and Process Developments. *Industrial & Engineering Chemistry Research*, **2019**, 58, 2409-2420	3.9	37

160	Response Factors Enable Rapid Quantitative 2D NMR Analysis in Catalytic Biomass Conversion to Renewable Chemicals. *Topics in Catalysis*, **2019**, 62, 590-598	2.3	3
159	Pd-catalysed formation of ester products from cascade reaction of 5-hydroxymethylfurfural with 1-hexene. *Applied Catalysis A: General*, **2019**, 569, 170-174	5.1	7
158	Selective Oxidative Carbonylation of Aniline to Diphenylurea with Ionic Liquids. *ChemCatChem*, **2018**, 10, 2450-2457	5.2	8
157	Selective Hydrodeoxygenation of Alkyl Lactates to Alkyl Propionates with Fe-based Bimetallic Supported Catalysts. *ChemSusChem*, **2018**, 11, 681-687	8.3	8
156	Magnetic nickel ferrite nanoparticles as highly durable catalysts for catalytic transfer hydrogenation of bio-based aldehydes. *Catalysis Science and Technology*, **2018**, 8, 790-797	5.5	59
155	Introduction to Room-Temperature Catalysis **2018**, 1-34		
154	Kinetic analysis of hexose conversion to methyl lactate by Sn-Beta: effects of substrate masking and of water. *Catalysis Science and Technology*, **2018**, 8, 2137-2145	5.5	24
153	Catalytic Tandem Reaction for the Production of Jet and Diesel Fuel Range Alkanes. *Energy Technology*, **2018**, 6, 1060-1066	3.5	7
152	Control of selectivity in hydrosilane-promoted heterogeneous palladium-catalysed reduction of furfural and aromatic carboxides. *Communications Chemistry*, **2018**, 1,	6.3	25
151	Catalytic Transfer Hydrogenation of Furfural to Furfuryl Alcohol with Recyclable Al□r@Fe Mixed Oxides. *ChemCatChem*, **2018**, 10, 430-438	5.2	68
150	Carbon-Increasing Catalytic Strategies for Upgrading Biomass into Energy-Intensive Fuels and Chemicals. *ACS Catalysis*, **2018**, 8, 148-187	13.1	188
149	Noble metal-free upgrading of multi-unsaturated biomass derivatives at room temperature: silyl species enable reactivity. *Green Chemistry*, **2018**, 20, 5327-5335	10	21
148	Catalytic Transfer Hydrogenation of Bio-Based Furfural with NiO Nanoparticles. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 17220-17229	8.3	59
147	Reaction mechanism of dimethyl ether carbonylation to methyl acetate over mordenite □a combined DFT/experimental study. *Catalysis Science and Technology*, **2017**, 7, 1141-1152	5.5	35
146	Highly Selective Continuous Gas-Phase Methoxycarbonylation of Ethylene with Supported Ionic Liquid Phase (SILP) Catalysts. *ChemCatChem*, **2017**, 9, 1824-1829	5.2	10
145	Rhodium Catalyzed Decarbonylation. *Topics in Organometallic Chemistry*, **2017**, 145-165	0.6	
144	Facile and benign conversion of sucrose to fructose using zeolites with balanced Br□sted and Lewis acidity. *Catalysis Science and Technology*, **2017**, 7, 2782-2788	5.5	11
143	A Pd-Catalyzed in situ domino process for mild and quantitative production of 2,5-dimethylfuran directly from carbohydrates. *Green Chemistry*, **2017**, 19, 2101-2106	10	49

142	Glucose Isomerization by Enzymes and Chemo-catalysts: Status and Current Advances. *ACS Catalysis*, **2017**, 7, 3010-3029	13.1	101
141	Chemoselective Synthesis of Dithioacetals from Bio-aldehydes with Zeolites under Ambient and Solvent-free Conditions. *ChemCatChem*, **2017**, 9, 1097-1104	5.2	14
140	Giant Tunability of the Two-Dimensional Electron Gas at the Interface of □AlO/SrTiO. *Nano Letters*, **2017**, 17, 6878-6885	11.5	29
139	Highly Selective Aerobic Oxidation of 5-Hydroxymethyl Furfural into 2,5-Diformylfuran over Mn□Co Binary Oxides. *ChemistrySelect*, **2017**, 2, 6632-6639	1.8	22
138	Transformation of Sugars Using Nanoporous Acidic Catalysts **2017**, 601-626		
137	Ruthenium Dioxide Catalysts for the Selective Oxidation of Benzylamine to Benzonitrile: Investigating the Effect of Ruthenium Loading on Physical and Catalytic Properties. *Topics in Catalysis*, **2017**, 60, 1449-1461	2.3	2
136	Direct transformation of carbohydrates to the biofuel 5-ethoxymethylfurfural by solid acid catalysts. *Green Chemistry*, **2016**, 18, 726-734	10	121
135	Efficient Aerobic Oxidation of 5-Hydroxymethylfurfural in Aqueous Media with Au□Pd Supported on Zinc Hydroxycarbonate. *ChemCatChem*, **2016**, 8, 3636-3643	5.2	40
134	Combined Function of Br□sted and Lewis Acidity in the Zeolite-Catalyzed Isomerization of Glucose to Fructose in Alcohols. *ChemCatChem*, **2016**, 8, 3107-3111	5.2	26
133	Absorption and Oxidation of Nitrogen Oxide in Ionic Liquids. *Chemistry - A European Journal*, **2016**, 22, 11745-55	4.8	20
132	Acid□Base Bifunctional Zirconium N-Alkyltriphosphate Nanohybrid for Hydrogen Transfer of Biomass-Derived Carboxides. *ACS Catalysis*, **2016**, 6, 7722-7727	13.1	114
131	Chemoselective hydrogenation of arenes by PVP supported Rh nanoparticles. *Dalton Transactions*, **2016**, 45, 19368-19373	4.3	12
130	Br□sted Acid Ionic Liquids (BAILs) as Efficient and Recyclable Catalysts in the Conversion of Glycerol to Solketal at Room Temperature. *ChemistrySelect*, **2016**, 1, 5869-5873	1.8	17
129	Atomically thin Pt shells on Au nanoparticle cores: facile synthesis and efficient synergetic catalysis. *Journal of Materials Chemistry A*, **2016**, 4, 3278-3286	13	40
128	Tin-containing silicates: identification of a glycolytic pathway via 3-deoxyglucosone. *Green Chemistry*, **2016**, 18, 3360-3369	10	46
127	Synergy Effects of the Mixture of Bismuth Molybdate Catalysts with SnO2/ZrO2/MgO in Selective Propene Oxidation and the Connection between Conductivity and Catalytic Activity. *Industrial & Engineering Chemistry Research*, **2016**, 55, 4846-4855	3.9	25
126	Mechanism and stereoselectivity of zeolite-catalysed sugar isomerisation in alcohols. *Chemical Communications*, **2016**, 52, 12773-12776	5.8	16
125	Zeolite and zeotype-catalysed transformations of biofuranic compounds. *Green Chemistry*, **2016**, 18, 5701-5735	10	113

124	Copper oxide as efficient catalyst for oxidative dehydrogenation of alcohols with air. *Catalysis Science and Technology*, **2015**, 5, 2467-2477	5.5	88
123	Ketene as a Reaction Intermediate in the Carbonylation of Dimethyl Ether to Methyl Acetate over Mordenite. *Angewandte Chemie - International Edition*, **2015**, 54, 7261-4	16.4	64
122	Catalytic Alkylation of 2-Methylfuran with Formalin Using Supported Acidic Ionic Liquids. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 3274-3280	8.3	38
121	Aerobic Oxidation of Veratryl Alcohol to Veratraldehyde with Heterogeneous Ruthenium Catalysts. *Topics in Catalysis*, **2015**, 58, 1036-1042	2.3	17
120	Highly Selective Liquid-Phase Benzylation of Anisole with Solid-Acid Zeolite Catalysts. *Topics in Catalysis*, **2015**, 58, 1053-1061	2.3	4
119	Mechanistic insights into the oxidative dehydrogenation of amines to nitriles in continuous flow. *Catalysis Science and Technology*, **2015**, 5, 5008-5015	5.5	6
118	Xylose isomerization with zeolites in a two-step alcohol-water process. *ChemSusChem*, **2015**, 8, 1088-94	8.3	31
117	Ketene as a Reaction Intermediate in the Carbonylation of Dimethyl Ether to Methyl Acetate over Mordenite. *Angewandte Chemie*, **2015**, 127, 7369-7372	3.6	6
116	Deactivation of solid catalysts in liquid media: the case of leaching of active sites in biomass conversion reactions. *Green Chemistry*, **2015**, 17, 4133-4145	10	152
115	Improvement of trans-sialylation versus hydrolysis activity of an engineered sialidase from Trypanosoma rangeli by use of co-solvents. *Biotechnology Letters*, **2014**, 36, 1315-20	3	8
114	Acetalization of furfural with zeolites under benign reaction conditions. *Catalysis Today*, **2014**, 234, 233-236	3.9	54
113	Amine-functionalized amino acid-based ionic liquids as efficient and high-capacity absorbents for CO(2). *ChemSusChem*, **2014**, 7, 897-902	8.3	124
112	Direct catalytic transformation of carbohydrates into 5-ethoxymethylfurfural with acid–base bifunctional hybrid nanospheres. *Energy Conversion and Management*, **2014**, 88, 1245-1251	10.6	58
111	Coupling Reactions with Supported Ionic Liquid Catalysts **2014**, 233-250		0
110	Selective Hydrogenation for Fine Chemical Synthesis **2014**, 251-262		3
109	Hydrogenation with Nanoparticles Using Supported Ionic Liquids **2014**, 263-278		5
108	Solid Catalysts with Ionic Liquid Layer (SCILL) **2014**, 279-306		6
107	Supported Ionic Liquid Phase (SILP) Materials in Hydroformylation Catalysis **2014**, 307-326		3

106	Ultralow Temperature Water–Gas Shift Reaction Enabled by Supported Ionic Liquid Phase Catalysts **2014**, 327-350		6
105	Pharmaceutically Active Supported Ionic Liquids **2014**, 385-406		1
104	Biocatalytic Processes Based on Supported Ionic Liquids **2014**, 351-368		2
103	Supported Ionic Liquid Phase Catalysts with Supercritical Fluid Flow **2014**, 369-384		2
102	Supported Protic Ionic Liquids in Polymer Membranes for Electrolytes of Nonhumidified Fuel Cells **2014**, 407-418		2
101	Gas Separation Using Supported Ionic Liquids **2014**, 419-444		1
100	Outlook—The Technical Prospect of Supported Ionic Liquid Materials **2014**, 457-466		1
99	Ionic Liquids on Surfaces—a Plethora of Applications **2014**, 445-456		
98	Supported Rh-phosphine complex catalysts for continuous gas-phase decarbonylation of aldehydes. *Dalton Transactions*, **2014**, 43, 17230-5	4.3	10
97	One-pot transformation of polysaccharides via multi-catalytic processes. *Catalysis Science and Technology*, **2014**, 4, 4138-4168	5.5	61
96	Silver nanoparticles supported on alumina--a highly efficient and selective nanocatalyst for imine reduction. *Dalton Transactions*, **2014**, 43, 4255-9	4.3	21
95	Ionic liquids as recyclable and separable reaction media in Rh-catalyzed decarbonylation of aromatic and aliphatic aldehydes. *RSC Advances*, **2014**, 4, 58151-58155	3.7	9
94	Pd-catalyzed ethylene methoxycarbonylation with Brønsted acid ionic liquids as promoter and phase-separable reaction media. *Green Chemistry*, **2014**, 16, 161-166	10	32
93	Porous Inorganic Materials as Potential Supports for Ionic Liquids **2014**, 37-74		
92	Ionic Liquids at the Gas–Liquid and Solid–Liquid Interface—Characterization and Properties **2014**, 145-176		4
91	A Priori Selection of the Type of Ionic Liquid **2014**, 191-208		2
90	Synthetic Methodologies for Supported Ionic Liquid Materials **2014**, 75-94		5
89	Introducing Ionic Liquids **2014**, 11-36		1

88	Pore Volume and Surface Area of Supported Ionic Liquids Systems **2014**, 95-104		
87	Spectroscopy on Supported Ionic Liquids **2014**, 177-190		1
86	Supported Ionic Liquids as Part of a Building-Block System for Tailored Catalysts **2014**, 209-232		0
85	Transport Phenomena, Evaporation, and Thermal Stability of Supported Ionic Liquids **2014**, 105-144		
84	Zeolite-catalyzed isomerization of tetroses in aqueous medium. *Catalysis Science and Technology*, **2014**, 4, 3186	5.5	24
83	Depolymerization of organosolv lignin using doped porous metal oxides in supercritical methanol. *Bioresource Technology*, **2014**, 161, 78-83	11	76
82	Zwitterion enhanced performance in palladium□phosphine catalyzed ethylene methoxycarbonylation. *Catalysis Communications*, **2014**, 44, 73-75	3.2	5
81	Mechanistic investigation of the one-pot formation of amides by oxidative coupling of alcohols with amines in methanol. *Catalysis Today*, **2013**, 203, 211-216	5.3	16
80	Efficient isomerization of glucose to fructose over zeolites in consecutive reactions in alcohol and aqueous media. *Journal of the American Chemical Society*, **2013**, 135, 5246-9	16.4	159
79	Revisiting the Br□sted acid catalysed hydrolysis kinetics of polymeric carbohydrates in ionic liquids by in situ ATR-FTIR spectroscopy. *Green Chemistry*, **2013**, 15, 2843	10	26
78	Br□sted acid ionic liquid catalyzed formation of pyruvaldehyde dimethylacetal from triose sugars. *Catalysis Today*, **2013**, 200, 94-98	5.3	13
77	Catalytic Performance of Zeolite-Supported Vanadia in the Aerobic Oxidation of 5-hydroxymethylfurfural to 2,5-diformylfuran. *ChemCatChem*, **2013**, 5, 284-293	5.2	125
76	Cu catalyzed oxidation of 5-hydroxymethylfurfural to 2,5-diformylfuran and 2,5-furandicarboxylic acid under benign reaction conditions. *Applied Catalysis A: General*, **2013**, 456, 44-50	5.1	98
75	An alternative pathway for production of acetonitrile: ruthenium catalysed aerobic dehydrogenation of ethylamine. *Green Chemistry*, **2013**, 15, 928	10	23
74	Structural characterization of 1,1,3,3-tetramethylguanidinium chloride ionic liquid by reversible SO2 gas absorption. *Journal of Physical Chemistry A*, **2013**, 117, 11364-73	2.8	18
73	(Keynote) Separation of Flue Gas Components by SILP (Supported Ionic Liquid-Phase) Absorbers. *ECS Transactions*, **2013**, 50, 433-442	1	10
72	Zeolite Catalyzed Transformation of Carbohydrates to Alkyl Levulinates. *ChemCatChem*, **2013**, 5, 1754-1757	5.2	105
71	Thermodynamically based solvent design for enzymatic saccharide acylation with hydroxycinnamic acids in non-conventional media. *New Biotechnology*, **2012**, 29, 255-70	6.4	16

70	Synergy effects in mixed Bi2O3, MoO3 and V2O5 catalysts for selective oxidation of propylene. *Research on Chemical Intermediates*, **2012**, 38, 829-846	2.8	6
69	Aerobic Oxidation of 5-(Hydroxymethyl)furfural in Ionic Liquids with Solid Ruthenium Hydroxide Catalysts. *Catalysis Letters*, **2012**, 142, 1089-1097	2.8	40
68	Enzymatic isomerization of glucose and xylose in ionic liquids. *Catalysis Science and Technology*, **2012**, 2, 291-295	5.5	20
67	Sn-Beta catalysed conversion of hemicellulosic sugars. *Green Chemistry*, **2012**, 14, 702	10	197
66	One-pot synthesis of amides by aerobic oxidative coupling of alcohols or aldehydes with amines using supported gold and base as catalysts. *Chemical Communications*, **2012**, 48, 2427-9	5.8	86
65	One-pot reduction of 5-hydroxymethylfurfural via hydrogen transfer from supercritical methanol. *Green Chemistry*, **2012**, 14, 2457	10	142
64	Highly dispersed supported ruthenium oxide as an aerobic catalyst for acetic acid synthesis. *Applied Catalysis A: General*, **2012**, 433-434, 243-250	5.1	12
63	Characterization and parametrical study of Rh-TPPTS supported ionic liquid phase (SILP) catalysts for ethylene hydroformylation. *Catalysis Communications*, **2012**, 25, 136-141	3.2	28
62	Pharmaceutically active ionic liquids with solids handling, enhanced thermal stability, and fast release. *Chemical Communications*, **2012**, 48, 5422-4	5.8	86
61	Acetic Acid Formation by Selective Aerobic Oxidation of Aqueous Ethanol over Heterogeneous Ruthenium Catalysts. *ACS Catalysis*, **2012**, 2, 604-612	13.1	32
60	Synthesis and Characterization of Ammonium-, Pyridinium-, and Pyrrolidinium-Based Sulfonamido Functionalized Ionic Liquids. *Synthetic Communications*, **2012**, 42, 3383-3394	1.7	4
59	CO2 Capture technologies: Current status and new directions using supported ionic liquid phase (SILP) absorbers. *Science China Chemistry*, **2012**, 55, 1648-1656	7.9	36
58	Solid acid catalysed formation of ethyl levulinate and ethyl glucopyranoside from mono- and disaccharides. *Catalysis Communications*, **2012**, 17, 71-75	3.2	143
57	Alkali resistivity of Cu based selective catalytic reduction catalysts: Potassium chloride aerosol exposure and activity measurements. *Catalysis Communications*, **2012**, 18, 41-46	3.2	13
56	Alternative alkali resistant deNOx catalysts. *Catalysis Today*, **2012**, 184, 192-196	5.3	26
55	Synergy of boric acid and added salts in the catalytic dehydration of hexoses to 5-hydroxymethylfurfural in water. *Green Chemistry*, **2011**, 13, 109-114	10	140
54	Challenges and perspectives for catalysis in production of diesel from biomass. *Biofuels*, **2011**, 2, 465-483	3	7
53	High performance vanadia–anatase nanoparticle catalysts for the Selective Catalytic Reduction of NO by ammonia. *Journal of Catalysis*, **2011**, 284, 60-67	7.3	69

52	Hydrodeoxygenation of waste fat for diesel production: Study on model feed with Pt/alumina catalyst. *Fuel*, **2011**, 90, 3433-3438	7.1	126
51	Heteropoly acid promoted Cu and Fe catalysts for the selective catalytic reduction of NO with ammonia. *Catalysis Today*, **2011**, 176, 292-297	5.3	33
50	Selective Aerobic Oxidation of 5-Hydroxymethylfurfural in Water Over Solid Ruthenium Hydroxide Catalysts with Magnesium-Based Supports. *Catalysis Letters*, **2011**, 141, 1752-1760	2.8	79
49	Selective oxidation of propylene to acrolein by silica-supported bismuth molybdate catalysts. *Research on Chemical Intermediates*, **2011**, 37, 605-616	2.8	7
48	Alkali Resistant Fe-Zeolite Catalysts for SCR of NO with NH3 in Flue Gases. *Topics in Catalysis*, **2011**, 54, 1286-1292	2.3	19
47	Effect of Support in Heterogeneous Ruthenium Catalysts Used for the Selective Aerobic Oxidation of HMF in Water. *Topics in Catalysis*, **2011**, 54, 1318-1324	2.3	97
46	Magnesium and nickel(II) furan-2,5-dicarboxylate. *Acta Crystallographica Section C: Crystal Structure Communications*, **2011**, 67, m327-30		4
45	Synthesis of 5-(hydroxymethyl)furfural in ionic liquids: paving the way to renewable chemicals. *ChemSusChem*, **2011**, 4, 451-8	8.3	211
44	Conversion of mono- and disaccharides to ethyl levulinate and ethyl pyranoside with sulfonic acid-functionalized ionic liquids. *ChemSusChem*, **2011**, 4, 723-6	8.3	139
43	Metal-free dehydration of glucose to 5-(hydroxymethyl)furfural in ionic liquids with boric acid as a promoter. *Chemistry - A European Journal*, **2011**, 17, 1456-64	4.8	162
42	Dependency of the hydrogen bonding capacity of the solvent anion on the thermal stability of feruloyl esterases in ionic liquid systems. *Green Chemistry*, **2011**, 13, 1550	10	18
41	Heteropoly acid promoted V2O5/TiO2 catalysts for NO abatement with ammonia in alkali containing flue gases. *Catalysis Science and Technology*, **2011**, 1, 631	5.5	51
40	Alkali resistant Cu/zeolite deNOx catalysts for flue gas cleaning in biomass fired applications. *Applied Catalysis B: Environmental*, **2011**, 101, 183-188	21.8	70
39	Structural characterization and catalytic properties of bis(1,1,3,3-tetramethylguanidinium) dichromate. *Polyhedron*, **2011**, 30, 785-789	2.7	2
38	Selective Gas Absorption by Ionic Liquids. *ECS Transactions*, **2010**, 33, 117-126	1	6
37	X-ray crystal structure, Raman spectroscopy, and Ab initio density functional theory calculations on 1,1,3,3-tetramethylguanidinium bromide. *Journal of Physical Chemistry A*, **2010**, 114, 13175-81	2.8	9
36	Direct conversion of glucose to 5-(hydroxymethyl)furfural in ionic liquids with lanthanide catalysts. *Green Chemistry*, **2010**, 12, 321	10	167
35	Formation of imines by selective gold-catalysed aerobic oxidative coupling of alcohols and amines under ambient conditions. *Green Chemistry*, **2010**, 12, 1437	10	113

34	Vanadia supported on zeolites for SCR of NO by ammonia. *Applied Catalysis B: Environmental*, **2010**, 97, 333-339	21.8	29
33	Gold-catalyzed aerobic oxidation of 5-hydroxymethylfurfural in water at ambient temperature. *ChemSusChem*, **2009**, 2, 672-5	8.3	258
32	Efficient microwave-assisted synthesis of 5-hydroxymethylfurfural from concentrated aqueous fructose. *Carbohydrate Research*, **2009**, 344, 2568-72	2.9	129
31	Seed-assisted sol□gel synthesis and characterization of nanoparticular V2O5/anatase. *Journal of Materials Science*, **2009**, 44, 323-327	4.3	7
30	The Effect of Acidic and Redox Properties of V2O5/CeO2□ZrO2 Catalysts in Selective Catalytic Reduction of NO by NH3. *Catalysis Letters*, **2009**, 133, 370-375	2.8	24
29	Gas-Phase Oxidation of Aqueous Ethanol by Nanoparticle Vanadia/Anatase Catalysts. *Topics in Catalysis*, **2009**, 52, 253-257	2.3	37
28	Process integration for the conversion of glucose to 2,5-furandicarboxylic acid. *Chemical Engineering Research and Design*, **2009**, 87, 1318-1327	5.5	143
27	Crystal structure, vibrational spectroscopy and ab initio density functional theory calculations on the ionic liquid forming 1,1,3,3-tetramethylguanidinium bis{(trifluoromethyl)sulfonyl}amide. *Journal of Physical Chemistry B*, **2009**, 113, 8878-86	3.4	27
26	Formation of an ion-pair molecule with a single NH(+)...Cl(-) hydrogen bond: Raman spectra of 1,1,3,3-tetramethylguanidinium chloride in the solid state, in solution, and in the vapor phase. *Journal of Physical Chemistry A*, **2008**, 112, 8585-92	2.8	29
25	Hydroformylation in room temperature ionic liquids (RTILs): catalyst and process developments. *Chemical Reviews*, **2008**, 108, 1474-97	68.1	290
24	Supported Liquid Catalysts **2008**, 631		
23	SILP Technology □Novel Catalysts and Advanced Materials. *Chemie-Ingenieur-Technik*, **2008**, 80, 1247-1247	0.8	1
22	Tuning ionic liquids for high gas solubility and reversible gas sorption. *Journal of Molecular Catalysis A*, **2008**, 279, 170-176		160
21	Continuous Gas-Phase Hydroformylation of 1-Butene using Supported Ionic Liquid Phase (SILP) Catalysts. *Advanced Synthesis and Catalysis*, **2007**, 349, 425-431	5.6	101
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