

Hero Jan Heeres

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

302 papers	15,269 citations	66 h-index	113 g-index
319 ext. papers	17,255 ext. citations	6.8 avg, IF	6.99 L-index

#	Paper	IF	Citations
302	Catalytic conversion of glycerol and co-feeds (fatty acids, alcohols, and alkanes) to bio-based aromatics: remarkable and unprecedented synergetic effects on catalyst performance.. <i>Green Chemistry</i> , 2022 , 24, 941-949	10	1
301	Gas/Liquid Slug Flow Studies in Microreactors: Effect of Nanoparticle Addition on Flow Pattern and Pressure Drop. <i>Frontiers in Chemical Engineering</i> , 2022 , 3,	1	1
300	Catalytic co-conversion of glycerol and oleic acid to bio-aromatics: Catalyst deactivation studies for a technical H-ZSM-5/Al ₂ O ₃ catalyst. <i>Applied Catalysis A: General</i> , 2022 , 632, 118486	5.1	2
299	A time- and space-resolved catalyst deactivation study on the conversion of glycerol to aromatics using H-ZSM-5. <i>Chemical Engineering Journal</i> , 2022 , 434, 134620	14.7	2
298	Experimental studies on a combined pyrolysis/staged condensation/hydrotreatment approach to obtain biofuels and biobased chemicals. <i>Fuel Processing Technology</i> , 2022 , 228, 107160	7.2	1
297	Selective tandem catalysis for the synthesis of 5-hydroxymethylfurfural from glucose over in-situ phosphated titania catalysts: Insights into structure, bi-functionality and performance in flow microreactors. <i>Applied Catalysis B: Environmental</i> , 2022 , 301, 120800	21.8	7
296	Torque measurement as a tool to monitor the breakdown of cassava starch gels, by the effect of Fenton's initiator for graft copolymerization. <i>Results in Chemistry</i> , 2022 , 4, 100314	2.1	
295	Bio-Based Aromatic Polyesters Reversibly Crosslinked via the Diels-Alder Reaction. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2461	2.6	1
294	Valorization potential of technical lignins from Norway spruce (<i>Picea abies</i>) via pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022 , 105549	6	0
293	Green process intensification using microreactor technology for the synthesis of biobased chemicals and fuels. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022 , 109002	3.7	1
292	Optimization of operational and design parameters of a Simultaneous Mixer-Separator for enhanced continuous biodiesel production. <i>Chemical Product and Process Modeling</i> , 2021 , 16, 155-167	1.1	1
291	Improved catalyst formulations for the conversion of glycerol to bio-based aromatics. <i>Applied Catalysis A: General</i> , 2021 , 629, 118393	5.1	4
290	Evaluation of Analysis Methods for Formaldehyde, Acetaldehyde, and Furfural from Fast Pyrolysis Bio-oil. <i>Energy & Fuels</i> , 2021 , 35, 18583-18591	4.1	1
289	CO ₂ Hydrogenation to Higher Alcohols over K-Promoted Bimetallic Fe ₂ C Catalysts on a CeO ₂ /ZrO ₂ Support. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6235-6249	8.3	5
288	Selective Fructose dehydration to 5-hydroxymethylfurfural from a fructose-glucose mixture over a sulfuric acid catalyst in a biphasic system: Experimental study and kinetic modelling. <i>Chemical Engineering Journal</i> , 2021 , 409, 128182	14.7	36
287	Efficient Conversion of Glucose to 5-Hydroxymethylfurfural over a Sn-Modified SAPO-34 Zeolite Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 5838-5851	3.9	5
286	Iron Tetrasulfonatophthalocyanine-Catalyzed Starch Oxidation Using HO ₂ : Interplay between Catalyst Activity, Selectivity, and Stability. <i>ACS Omega</i> , 2021 , 6, 13847-13857	3.9	1

285	Catalytic conversion of pure glycerol over an un-modified H-ZSM-5 zeolite to bio-based aromatics. <i>Applied Catalysis B: Environmental</i> , 2021 , 281, 119467	21.8	11
284	The rotor-stator type hydrodynamic cavitation reactor approach for enhanced biodiesel fuel production. <i>Fuel</i> , 2021 , 283, 118821	7.1	19
283	Effect of mixing on mass transfer characterization in continuous slugs and dispersed droplets in biphasic slug flow microreactors. <i>Chemical Engineering Journal</i> , 2021 , 406, 126885	14.7	12
282	Hydrothermal liquefaction versus catalytic hydrodeoxygenation of a bioethanol production stillage residue to platform chemicals: A comparative study. <i>Fuel Processing Technology</i> , 2021 , 213, 106654	7.2	6
281	CO hydrogenation over K-Co-MoS _x catalyst to mixed alcohols: A kinetic analysis. <i>International Journal of Chemical Kinetics</i> , 2021 , 53, 419-427	1.4	0
280	Experimental study and mass transfer modelling for extractive desulfurization of diesel with ionic liquid in microreactors. <i>Chemical Engineering Journal</i> , 2021 , 413, 127419	14.7	11
279	Mass transfer and reaction characteristics of homogeneously catalyzed aerobic oxidation of 5-hydroxymethylfurfural in slug flow microreactors. <i>Chemical Engineering Journal</i> , 2021 , 413, 127552	14.7	5
278	The protein challenge: matching future demand and supply in Indonesia. <i>Biofuels, Bioproducts and Biorefining</i> , 2021 , 15, 341-356	5.3	2
277	Catalytic Conversion of Free Fatty Acids to Bio-Based Aromatics: A Model Investigation Using Oleic Acid and an H-ZSM-5/AlO Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 1128-1141	8.3	7
276	5-Hydroxy-2-Methylfurfural from Sugar Beet Thick Juice: Kinetic and Modeling Studies. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 2626-2638	8.3	2
275	Stabilization of fast pyrolysis liquids from biomass by catalytic hydrotreatment using Raney nickel type catalysts. <i>Fuel Processing Technology</i> , 2021 , 219, 106846	7.2	3
274	Tunable HMF hydrogenation to furan diols in a flow reactor using Ru/C as catalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 100, 390.e1-390.e9	6.3	5
273	Catalysts design for higher alcohols synthesis by CO ₂ hydrogenation: Trends and future perspectives. <i>Applied Catalysis B: Environmental</i> , 2021 , 291, 120073	21.8	24
272	Mechanistic Investigations into the Catalytic Levulinic Acid Hydrogenation, Insight in H/D Exchange Pathways, and a Synthetic Route to d8- γ -Valerolactone. <i>ACS Catalysis</i> , 2021 , 11, 10467-10477	13.1	3
271	Catalytic upcycling paper sludge for the recovery of minerals and production of renewable high-grade biofuels and bio-based chemicals. <i>Chemical Engineering Journal</i> , 2021 , 420, 129714	14.7	1
270	Catalytic conversion of glycerol to bio-based aromatics using H-ZSM-5 in combination with various binders. <i>Fuel Processing Technology</i> , 2021 , 221, 106944	7.2	5
269	Biodiesel fuel purification in a continuous centrifugal contactor separator: An environmental-friendly approach. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 47, 101511	4.7	2
268	Valorization of humin type byproducts from pyrolytic sugar conversions to biobased chemicals. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020 , 152, 104963	6	7

267	Triphenylphosphine-Based Covalent Organic Frameworks and Heterogeneous Rh-P-COFs Catalysts. <i>Chemistry - A European Journal</i> , 2020 , 26, 12134-12139	4.8	15
266	In-depth structural characterization of the lignin fraction of a pine-derived pyrolysis oil. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020 , 149, 104837	6	10
265	Experimental studies on a two-step fast pyrolysis-catalytic hydrotreatment process for hydrocarbons from microalgae (<i>Nannochloropsis gaditana</i> and <i>Scenedesmus almeriensis</i>). <i>Fuel Processing Technology</i> , 2020 , 206, 106466	7.2	19
264	Experimental and modeling studies on the Ru/C catalyzed levulinic acid hydrogenation to γ -Valerolactone in packed bed microreactors. <i>Chemical Engineering Journal</i> , 2020 , 399, 125750	14.7	15
263	A Systematic Study on the Utilization of Inorganic Salts as Catalyst for the Conversion of Xylose to Furfural. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 742, 012049	0.4	1
262	Catalytic Hydrogenation of Renewable Levulinic Acid to γ -Valerolactone: Insights into the Influence of Feed Impurities on Catalyst Performance in Batch and Flow Reactors. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 5903-5919	8.3	18
261	Biorefining of Pigeon Pea: Residue Conversion by Pyrolysis. <i>Energies</i> , 2020 , 13, 2778	3.1	2
260	Recent advances in hydrothermal carbonisation: from tailored carbon materials and biochemicals to applications and bioenergy. <i>Green Chemistry</i> , 2020 , 22, 4747-4800	10	58
259	Catalytic hydrotreatment of pyrolytic lignins from different sources to biobased chemicals: Identification of feed-product relations. <i>Biomass and Bioenergy</i> , 2020 , 134, 105484	5.3	14
258	Catalytic Hydrotreatment of the Pyrolytic Sugar and Pyrolytic Lignin Fractions of Fast Pyrolysis Liquids Using Nickel Based Catalysts. <i>Energies</i> , 2020 , 13, 285	3.1	12
257	Manipulation of gas-liquid-liquid systems in continuous flow microreactors for efficient reaction processes. <i>Journal of Flow Chemistry</i> , 2020 , 10, 103-121	3.3	24
256	A Two-Step Approach for the Conversion of Technical Lignins to Biofuels. <i>Advanced Sustainable Systems</i> , 2020 , 4, 1900147	5.9	4
255	Continuous synthesis of 5-hydroxymethylfurfural from glucose using a combination of $AlCl_3$ and HCl as catalyst in a biphasic slug flow capillary microreactor. <i>Chemical Engineering Journal</i> , 2020 , 381, 122754	14.7	68
254	Hydrodynamics and local mass transfer characterization under gas-liquid-liquid slug flow in a rectangular microchannel. <i>AIChE Journal</i> , 2020 , 66, e16805	3.6	10
253	Ozone mediated depolymerization and solvolysis of technical lignins under ambient conditions in ethanol. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 265-276	5.8	13
252	Fast pyrolysis with fractional condensation of lignin-rich digested stillage from second-generation bioethanol production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020 , 145, 104756	6	15
251	Ex Situ Catalytic Fast Pyrolysis of Lignin-Rich Digested Stillage over Na/ZSM-5, H/ZSM-5, and Fe/ZSM-5. <i>Energy & Fuels</i> , 2020 , 34, 12710-12723	4.1	2
250	Highly Efficient Conversion of Xylose to Furfural in a Water-MIBK System Catalyzed by Magnetic Carbon-Based Solid Acid. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 17046-17056	3.9	20

249	Catalytic liquefaction of sewage sludge to small molecular weight chemicals. <i>Scientific Reports</i> , 2020 , 10, 18929	4.9	
248	Aerobic oxidation of benzyl alcohol in a slug flow microreactor: Influence of liquid film wetting on mass transfer. <i>AIChE Journal</i> , 2020 , 66, e17005	3.6	6
247	ZnO nanorod arrays assembled on activated carbon fibers for photocatalytic degradation: Characteristics and synergistic effects. <i>Chemosphere</i> , 2020 , 261, 127731	8.4	16
246	Hydrogenation of Biobased Aldehydes to Monoalcohols Using Bimetallic Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 11994-12004	8.3	4
245	Improving fast pyrolysis of lignin using three additives with different modes of action. <i>Green Chemistry</i> , 2020 , 22, 6471-6488	10	16
244	Catalyst Performance Studies on the Guerbet Reaction in a Continuous Flow Reactor Using Mono- and Bi-Metallic Cu-Ni Porous Metal Oxides. <i>Catalysts</i> , 2020 , 10, 996	4	4
243	Sugar dehydration to 5-hydroxymethylfurfural in mixtures of water/[Bmim]Cl catalyzed by iron sulfate. <i>New Journal of Chemistry</i> , 2020 , 44, 16877-16890	3.6	5
242	Towards Thermally Reversible Networks Based on Furan-Functionalization of Jatropha Oil. <i>Molecules</i> , 2020 , 25,	4.8	3
241	Transfer hydrogenation from glycerol over a Ni-Co/CeO ₂ catalyst: A highly efficient and sustainable route to produce lactic acid. <i>Applied Catalysis B: Environmental</i> , 2020 , 263, 118273	21.8	24
240	Catalytic conversion of furfural extract from lubricating oil extraction unit over the shaped and promoted HY catalysts to valuable petroleum products. <i>Catalysis Communications</i> , 2020 , 134, 105834	3.2	1
239	Enhanced C ₃ + alcohol synthesis from syngas using KCoMoS _x catalysts: effect of the Co-Mo ratio on catalyst performance. <i>Applied Catalysis B: Environmental</i> , 2020 , 272, 118950	21.8	12
238	Pt/ZrO Prepared by Atomic Trapping: An Efficient Catalyst for the Conversion of Glycerol to Lactic Acid with Concomitant Transfer Hydrogenation of Cyclohexene. <i>ACS Catalysis</i> , 2019 , 9, 9953-9963	13.1	24
237	Synthesis of mixed alcohols with enhanced C ₃ + alcohol production by CO hydrogenation over potassium promoted molybdenum sulfide. <i>Applied Catalysis B: Environmental</i> , 2019 , 246, 232-241	21.8	17
236	Bio-Based Chemicals: Selective Aerobic Oxidation of Tetrahydrofuran-2,5-dimethanol to Tetrahydrofuran-2,5-dicarboxylic Acid Using Hydrotalcite-Supported Gold Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4647-4656	8.3	10
235	An efficient magnetic carbon-based solid acid treatment for corncob saccharification with high selectivity for xylose and enhanced enzymatic digestibility. <i>Green Chemistry</i> , 2019 , 21, 1292-1304	10	54
234	An improved catalytic pyrolysis concept for renewable aromatics from biomass involving a recycling strategy for co-produced polycyclic aromatic hydrocarbons. <i>Green Chemistry</i> , 2019 , 21, 3802-3806	10	17
233	Hydrotreatment of pyrolysis liquids derived from second-generation bioethanol production residues over NiMo and CoMo catalysts. <i>Biomass and Bioenergy</i> , 2019 , 126, 84-93	5.3	13
232	Effect of a potassium promoter on the Fischer-Tropsch synthesis of light olefins over iron carbide catalysts encapsulated in graphene-like carbon. <i>Catalysis Science and Technology</i> , 2019 , 9, 2728-2741	5.5	45

231	Kinetics of long chain n-paraffin dehydrogenation over a commercial Pt-Sn-K-Mg/ γ -Al ₂ O ₃ catalyst: Model studies using n-dodecane. <i>Applied Catalysis A: General</i> , 2019 , 579, 130-140	5.1	4
230	Hydrotreatment of pyrolytic lignins to aromatics and phenolics using heterogeneous catalysts. <i>Fuel Processing Technology</i> , 2019 , 189, 28-38	7.2	37
229	Insight into the hydrogenation of pure and crude HMF to furan diols using Ru/C as catalyst. <i>Applied Catalysis A: General</i> , 2019 , 578, 122-133	5.1	35
228	Enzymatic Biodiesel Synthesis by the Biphasic Esterification of Oleic Acid and 1-Butanol in Microreactors. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 15432-15444	3.9	11
227	High-Yield 5-Hydroxymethylfurfural Synthesis from Crude Sugar Beet Juice in a Biphasic Microreactor. <i>ChemSusChem</i> , 2019 , 12, 4304-4312	8.3	18
226	Catalytic Transformation of Biomass Derivatives to Value-Added Chemicals and Fuels in Continuous Flow Microreactors. <i>ChemCatChem</i> , 2019 , 11, 4671-4708	5.2	44
225	Base-free conversion of glycerol to methyl lactate using a multifunctional catalytic system consisting of AuPd nanoparticles on carbon nanotubes and Sn-MCM-41-XS. <i>Green Chemistry</i> , 2019 , 21, 4115-4126	10	8
224	Conversion of levoglucosan to glucose using an acidic heterogeneous Amberlyst 16 catalyst: Kinetics and packed bed measurements. <i>Chemical Engineering Research and Design</i> , 2019 , 152, 193-200	5.5	3
223	Efficient Depolymerization of Lignin to Biobased Chemicals Using a Two-Step Approach Involving Ozonation in a Continuous Flow Microreactor Followed by Catalytic Hydrotreatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 18384-18394	8.3	12
222	Valorization of Pyrolysis Liquids: Ozonation of the Pyrolytic Lignin Fraction and Model Components. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4755-4765	8.3	20
221	Hydrotreatment of Kraft Lignin to Alkylphenolics and Aromatics Using Ni, Mo, and W Phosphides Supported on Activated Carbon. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2044-2055	8.3	30
220	Is it possible to increase the oil yield of catalytic pyrolysis of biomass? A study using commercially-available acid and basic catalysts in ex-situ and in-situ modus. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019 , 137, 77-85	6	18
219	Kinetic Studies on the Conversion of Levoglucosan to Glucose in Water Using Brønsted Acids as the Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 3204-3214	3.9	18
218	Sugarcane bagasse ex-situ catalytic fast pyrolysis for the production of Benzene, Toluene and Xylenes (BTX). <i>Journal of Analytical and Applied Pyrolysis</i> , 2018 , 131, 1-8	6	37
217	Lewis Acid Catalyzed Conversion of 5-Hydroxymethylfurfural to 1,2,4-Benzenetriol, an Overlooked Biobased Compound. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 3419-3425	8.3	24
216	Synthesis of Bio-aromatics from Black Liquors Using Catalytic Pyrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 3472-3480	8.3	26
215	Mild Upgrading of Bio-Crude Pyrolysis Oil: A Concept Based on Bio-Based Alcohols with Selective Water Adsorption. <i>Energy Technology</i> , 2018 , 6, 1209-1213	3.5	2
214	Synthesis, characterization and properties of a glycol-coordinated μ -Keggin-type Al chloride. <i>Chemical Communications</i> , 2018 , 54, 4148-4151	5.8	3

213	Synthesis of sago starch laurate in densified carbon dioxide. <i>Polymer Engineering and Science</i> , 2018 , 58, 291-299	2.3	3
212	Hydrogenation of levulinic acid to Valerolactone over anatase-supported Ru catalysts: Effect of catalyst synthesis protocols on activity. <i>Applied Catalysis A: General</i> , 2018 , 549, 197-206	5.1	53
211	Multiphase flow processing in microreactors combined with heterogeneous catalysis for efficient and sustainable chemical synthesis. <i>Catalysis Today</i> , 2018 , 308, 3-19	5.3	104
210	Biobased chemicals from the catalytic depolymerization of Kraft lignin using supported noble metal-based catalysts. <i>Fuel Processing Technology</i> , 2018 , 179, 143-153	7.2	52
209	Recent developments in the catalytic hydrotreatment of pyrolysis liquids 2018 , 249-292		2
208	Catalytic pyrolysis of crude glycerol over shaped ZSM-5/bentonite catalysts for bio-BTX synthesis. <i>Applied Catalysis B: Environmental</i> , 2018 , 235, 45-55	21.8	53
207	Insight into structure-reactivity relationships for the iron-catalyzed hydrotreatment of technical lignins. <i>Bioresource Technology</i> , 2018 , 267, 93-101	11	24
206	Modelling studies of enantioselective extraction of an amino acid derivative in slug flow capillary microreactors. <i>Chemical Engineering Journal</i> , 2018 , 354, 378-392	14.7	5
205	Process Intensification of Enzymatic Fatty Acid Butyl Ester Synthesis Using a Continuous Centrifugal Contactor Separator. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 470-482	3.9	9
204	Hydrotreatment of the carbohydrate-rich fraction of pyrolysis liquids using bimetallic Ni based catalyst: Catalyst activity and product property relations. <i>Fuel Processing Technology</i> , 2018 , 169, 258-268	7.2	17
203	Bubble splitting under gas-liquid-liquid three-phase flow in a double T-junction microchannel. <i>AIChE Journal</i> , 2018 , 64, 376-388	3.6	15
202	Biobased Chemicals: 1,2,4-Benzenetriol, Selective Deuteration and Dimerization to Bifunctional Aromatic Compounds. <i>Organic Process Research and Development</i> , 2018 , 22, 1663-1671	3.9	9
201	Diels-Alder-Crosslinked Polymers Derived from Jatropha Oil. <i>Polymers</i> , 2018 , 10,	4.5	6
200	Optimization of Biodiesel Production over Chicken Eggshell-Derived CaO Catalyst in a Continuous Centrifugal Contactor Separator. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 12742-12753	3.9	29
199	Multifunctional Heterogeneous Catalysts for the Selective Conversion of Glycerol into Methyl Lactate. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 10923-10933	8.3	21
198	Catalytic pyrolysis of recalcitrant, insoluble humin byproducts from C6 sugar biorefineries. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017 , 123, 134-143	6	39
197	Biobased alkylphenols from lignins via a two-step pyrolysis - Hydrodeoxygenation approach. <i>Bioresource Technology</i> , 2017 , 229, 160-168	11	42
196	Experimental Studies on the Hydrotreatment of Kraft Lignin to Aromatics and Alkylphenolics Using Economically Viable Fe-Based Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 2668-2678	8.3	25

195	Exploratory catalyst screening studies on the liquefaction of model humins from C6 sugars. <i>RSC Advances</i> , 2017 , 7, 5136-5147	3.7	14
194	Rheological behavior of reaction mixtures during the graft copolymerization of cassava starch with acrylic acid. <i>Polymer Engineering and Science</i> , 2017 , 57, 1285-1292	2.3	3
193	Reactivity studies in water on the acid-catalysed dehydration of psicose compared to other ketohexoses into 5-hydroxymethylfurfural. <i>Carbohydrate Research</i> , 2017 , 446-447, 1-6	2.9	9
192	Levulinic Acid from Biomass: Synthesis and Applications. <i>Biofuels and Biorefineries</i> , 2017 , 143-169	0.3	14
191	Mono-, bi-, and tri-metallic Ni-based catalysts for the catalytic hydrotreatment of pyrolysis liquids. <i>Biomass Conversion and Biorefinery</i> , 2017 , 7, 361-376	2.3	24
190	Biobased Furanics: Kinetic Studies on the Acid Catalyzed Decomposition of 2-Hydroxyacetyl Furan in Water Using Brønsted Acid Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3993-4001	8.3	3
189	Growth phase significantly decreases the DHA-to-EPA ratio in marine microalgae. <i>Aquaculture International</i> , 2017 , 25, 577-587	2.6	27
188	Process intensification of catalytic liquid-liquid solid processes: Continuous biodiesel production using an immobilized lipase in a centrifugal contactor separator. <i>Chemical Engineering Journal</i> , 2017 , 321, 76-85	14.7	34
187	Catalytic Liquefaction of Humin Substances from Sugar Biorefineries with Pt/C in 2-Propanol. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 469-480	8.3	17
186	Utilisation of Jatropha press cake as substrate in biomass and lipase production from <i>Aspergillus niger</i> 6516 and <i>Rhizomucor miehei</i> CBS 360.62. <i>Biocatalysis and Agricultural Biotechnology</i> , 2017 , 9, 103-107	4.2	12
185	Transesterification of sago starch and waste palm cooking oil in densified CO ₂ . <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 223, 012055	0.4	
184	Experimental and Kinetic Modeling Studies on the Conversion of Sucrose to Levulinic Acid and 5-Hydroxymethylfurfural Using Sulfuric Acid in Water. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 13228-13239	3.9	47
183	Highly efficient enantioselective liquid-liquid extraction of 1,2-amino-alcohols using SPINOL based phosphoric acid hosts. <i>Chemical Science</i> , 2017 , 8, 6409-6418	9.4	10
182	Proof of concept for continuous enantioselective liquid-liquid extraction in capillary microreactors using 1-octanol as a sustainable solvent. <i>Green Chemistry</i> , 2017 , 19, 4334-4343	10	7
181	Environmental economics of lignin derived transport fuels. <i>Bioresource Technology</i> , 2017 , 243, 589-599	11	25
180	Biofuel and Methyl Levulinate from Biomass-Derived Fractional Condensed Pyrolysis Oil and Alcohol. <i>Energy Technology</i> , 2017 , 5, 205-215	3.5	4
179	Techno-Economic Analysis for Small Scale Production of Rubber Seed Oil and Biodiesel in Palangkaraya, Indonesia. <i>Journal of Clean Energy Technologies</i> , 2017 , 5, 268-273	0.2	5
178	The influence of storage time on relevant product properties of rubber seeds, rubber seed oil and rubber seed oil ethyl esters. <i>Sustainable Chemical Processes</i> , 2016 , 4,		4

177	Catalytic Hydrotreatment of Humins in Mixtures of Formic Acid/2-Propanol with Supported Ruthenium Catalysts. <i>ChemSusChem</i> , 2016 , 9, 951-61	8.3	33
176	Catalytic hydrotreatment of Alcell lignin fractions using a Ru/C catalyst. <i>Catalysis Science and Technology</i> , 2016 , 6, 7053-7067	5.5	30
175	A One-Step Synthesis of C6 Sugar Alcohols from Levoglucosan and Disaccharides Using a Ru/CMK-3 Catalyst. <i>ACS Catalysis</i> , 2016 , 6, 4411-4422	13.1	22
174	Ni-Based Catalysts for the Hydrotreatment of Fast Pyrolysis Oil. <i>Energy & Fuels</i> , 2016 , 30, 1544-1554	4.1	52
173	Support Screening Studies on the Hydrogenation of Levulinic Acid to γ -Valerolactone in Water Using Ru Catalysts. <i>Catalysts</i> , 2016 , 6, 131	4	22
172	Kinetic modeling of levulinic acid hydrogenation to γ -Valerolactone in water using a carbon supported Ru catalyst. <i>Applied Catalysis A: General</i> , 2016 , 525, 158-167	5.1	58
171	A Comparative Study on the Reactivity of Various Ketohexoses to Furanics in Methanol. <i>ChemSusChem</i> , 2016 , 9, 1827-34	8.3	15
170	Catalytic Hydrotreatment of Humins in Mixtures of Formic Acid/2-Propanol with Supported Ruthenium Catalysts. <i>ChemSusChem</i> , 2016 , 9, 902-902	8.3	
169	Experimental and modelling studies on continuous synthesis and refining of biodiesel in a dedicated bench scale unit using centrifugal contactor separator technology. <i>European Journal of Lipid Science and Technology</i> , 2016 , 118, 938-948	3	2
168	Hydrogenation of Levulinic Acid to γ -Valerolactone in Water Using Millimeter Sized Supported Ru Catalysts in a Packed Bed Reactor. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 2939-2950	8.3	73
167	Lactic Acid Extraction and Mass Transfer Characteristics in Slug Flow Capillary Microreactors. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 4691-4702	3.9	63
166	Catalytic hydrotreatment of fast pyrolysis liquids in batch and continuous set-ups using a bimetallic NiCu catalyst with a high metal content. <i>Catalysis Science and Technology</i> , 2016 , 6, 5899-5915	5.5	30
165	Experimental and modeling studies on the acid-catalyzed conversion of inulin to 5-hydroxymethylfurfural in water. <i>Chemical Engineering Research and Design</i> , 2016 , 109, 65-75	5.5	7
164	Experimental and modelling studies on the solvent assisted hydraulic pressing of dehulled rubber seeds. <i>Industrial Crops and Products</i> , 2016 , 92, 67-76	5.9	10
163	Kinetic studies on the transesterification of sunflower oil with 1-butanol catalyzed by Rhizomucor miehei lipase in a biphasic aqueous-organic system. <i>Biochemical Engineering Journal</i> , 2016 , 114, 110-118	4.2	12
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14	Organolanthanide-catalyzed cyclodimerizations of disubstituted alkynes. <i>Organometallics</i> , 1990 , 9, 1508-1510	3.10	62
13	Novel monopentamethylcyclopentadienyl alkoxides of La and Ce; X-ray crystal structure of (C ₅ Me ₅ Ce(OCMe ₃) ₂) ₂ . <i>Journal of Organometallic Chemistry</i> , 1989 , 364, 87-96	2.3	24
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11	Mono(pentamethylcyclopentadienyl) complexes of cerium(III). Synthesis, molecular structure, thermal stability, and reactivity of (C ₅ Me ₅)CeX ₂ (X = 2,6-di-tert-butylphenoxo, CH(SiMe ₃) ₂ , and N(SiMe ₃) ₂) complexes. <i>Organometallics</i> , 1989 , 8, 2637-2646	3.8	105
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