

# Christophe Len

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1443319/christophe-len-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

213  
papers

5,336  
citations

39  
h-index

63  
g-index

252  
ext. papers

6,139  
ext. citations

5  
avg, IF

6.22  
L-index

#	Paper	IF	Citations
213	Silica-supported palladium: Sustainable catalysts for cross-coupling reactions. <i>Coordination Chemistry Reviews</i> , <b>2009</b> , 253, 2599-2626	23.2	438
212	Suzuki-Miyaura cross-coupling reactions in aqueous media: green and sustainable syntheses of biaryls. <i>ChemSusChem</i> , <b>2010</b> , 3, 502-22	8.3	298
211	Hydroxyapatite: A review of syntheses, structure and applications in heterogeneous catalysis. <i>Coordination Chemistry Reviews</i> , <b>2017</b> , 347, 48-76	23.2	207
210	Azobenzenes synthesis and carbohydrate applications. <i>Tetrahedron</i> , <b>2009</b> , 65, 10105-10123	2.4	192
209	Hydrolysis of Hemicellulose and Derivatives-A Review of Recent Advances in the Production of Furfural. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 146	5	121
208	Development of Sulfonic-Acid-Functionalized Mesoporous Materials: Synthesis and Catalytic Applications. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 1614-1635	4.8	117
207	Synthesis and antifungal activity of novel bisdithiocarbamate derivatives of carbohydrates against <i>Fusarium oxysporum</i> f. sp. lini. <i>Journal of Agricultural and Food Chemistry</i> , <b>2000</b> , 48, 5283-7	5.7	99
206	Recent Advances in Catalytic Hydrogenation of Furfural. <i>Catalysts</i> , <b>2019</b> , 9, 796	4	82
205	Suzuki-Miyaura cross-coupling coupling reactions with low catalyst loading: a green and sustainable protocol in pure water. <i>Dalton Transactions</i> , <b>2011</b> , 40, 3116-21	4.3	82
204	Synthesis and Antifungal Activity of Novel Bis(dithiocarbamate) Derivatives of Glycerol. <i>Journal of Agricultural and Food Chemistry</i> , <b>1996</b> , 44, 2856-2858	5.7	82
203	Continuous flow transformations of glycerol to valuable products: an overview. <i>Sustainable Chemical Processes</i> , <b>2014</b> , 2,		78
202	Revisiting physico-chemical hazards of ionic liquids. <i>Separation and Purification Technology</i> , <b>2012</b> , 97, 228-234	8.3	75
201	Microwave-assisted dehydration of D-xylose into furfural by diluted inexpensive inorganic salts solution in a biphasic system. <i>Journal of Molecular Catalysis A</i> , <b>2015</b> , 410, 1-7		66
200	Palladium-catalyzed Suzuki reaction in aqueous solvents applied to unprotected nucleosides and nucleotides. <i>RSC Advances</i> , <b>2014</b> , 4, 18558-18594	3.7	66
199	Flame propagation and combustion in some dust-air mixtures. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2006</b> , 19, 89-100	3.5	66
198	Targeting adequate thermal stability and fire safety in selecting ionic liquid-based electrolytes for energy storage. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 1967-76	3.6	62
197	Sustainable pathway to furanics from biomass via heterogeneous organo-catalysis. <i>Green Chemistry</i> , <b>2017</b> , 19, 164-168	10	60

196	Application of sulfonated carbon-based catalyst for the furfural production from d -xylose and xylan in a microwave-assisted biphasic reaction. <i>Molecular Catalysis</i> , <b>2017</b> , 438, 167-172	3.3	58
195	A review of progress in (bio)catalytic routes from/to renewable succinic acid. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2017</b> , 11, 908-931	5.3	54
194	Improved microwave-assisted ligand-free SuzukiMiyaura cross-coupling of 5-iodo-2'-deoxyuridine in pure water. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 1989	3.6	54
193	Palladium-Catalyzed SuzukiMiyaura Cross-Coupling in Continuous Flow. <i>Catalysts</i> , <b>2017</b> , 7, 146	4	53
192	Continuous Flow Conversion of Biomass-Derived Methyl Levulinate into $\gamma$ -Valerolactone Using Functional Metal Organic Frameworks. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 6746-6752	8.3	52
191	Solventless oxidative coupling of amines to imines by using transition-metal-free metal-organic frameworks. <i>ChemSusChem</i> , <b>2014</b> , 7, 1684-8	8.3	52
190	Synthesis of bicyclonucleosides having a C-C bridge. <i>Chemical Reviews</i> , <b>2010</b> , 110, 3371-418	68.1	52
189	Quinoline and phenanthroline preparation starting from glycerol via improved microwave-assisted modified Skraup reaction. <i>RSC Advances</i> , <b>2014</b> , 4, 21456-21464	3.7	51
188	An innovative experimental approach aiming to understand and quantify the actual fire hazards of ionic liquids. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 699	35.4	49
187	Synthesis of Carbamic Esters Derivatives of Itols: Antifungal Activity against Various Crop Diseases. <i>Journal of Agricultural and Food Chemistry</i> , <b>1997</b> , 45, 3-6	5.7	49
186	Recent Advances in the Microwave-Assisted Production of Hydroxymethylfurfural by Hydrolysis of Cellulose Derivatives-A Review. <i>Molecules</i> , <b>2018</b> , 23,	4.8	45
185	Toward the synthesis of 6-hydroxyquinoline starting from glycerol via improved microwave-assisted modified Skraup reaction. <i>Catalysis Communications</i> , <b>2014</b> , 44, 15-18	3.2	45
184	Conversion of xylose, xylan and rice husk into furfural via betaine and formic acid mixture as novel homogeneous catalyst in biphasic system by microwave-assisted dehydration. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 423, 520-525		44
183	Micellar catalysis using a photochromic surfactant: application to the Pd-catalyzed Tsuji-Trost reaction in water. <i>Journal of Organic Chemistry</i> , <b>2014</b> , 79, 493-500	4.2	43
182	Furfural Production from d-Xylose and Xylan by Using Stable Nafion NR50 and NaCl in a Microwave-Assisted Biphasic Reaction. <i>Molecules</i> , <b>2016</b> , 21,	4.8	42
181	Glycerol valorization under continuous flow conditions-recent advances. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2019</b> , 15, 83-90	7.9	42
180	Continuous Flow Conversion of Glycerol into Chemicals: An Overview. <i>Synthesis</i> , <b>2018</b> , 50, 723-741	2.9	42
179	Coupling of OECD standardized test and immunomarkers to select the most environmentally benign ionic liquids option--towards an innovative "safety by design" approach. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 283, 202-10	12.8	40

178	Comparative Study of Supported Monometallic Catalysts in the Liquid-Phase Hydrogenation of Furfural: Batch Versus Continuous Flow. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 9831-9844	8.3	40
177	Lignocellulosic biomass for bioethanol: Recent advances, technology trends, and barriers to industrial development. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2020</b> , 24, 56-60	7.9	39
176	Continuous Flow Alcoholysis of Furfuryl Alcohol to Alkyl Levulinates Using Zeolites. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 6901-6909	8.3	39
175	Palladium supported on natural phosphate: Catalyst for Suzuki coupling reactions in water. <i>Applied Catalysis A: General</i> , <b>2013</b> , 450, 13-18	5.1	39
174	Stereoisomeric pyrimidine nucleoside analogues based on the 1,3-dihydrobenzo[c]furan core. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , <b>2000</b> , 3561-3565		39
173	Sulfonated Sporopollenin as an Efficient and Recyclable Heterogeneous Catalyst for Dehydration of d-Xylose and Xylan into Furfural. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 392-398	8.3	38
172	A review on high catalytic efficiency of solid acid catalysts for lignin valorization. <i>Bioresource Technology</i> , <b>2020</b> , 298, 122432	11	38
171	Sodium modified hydroxyapatite: Highly efficient and stable solid-base catalyst for biodiesel production. <i>Energy Conversion and Management</i> , <b>2017</b> , 149, 355-367	10.6	37
170	Furfural Analogs as Sustainable Corrosion Inhibitors Predictive Efficiency Using DFT and Monte Carlo Simulations on the Cu(111), Fe(110), Al(111) and Sn(111) Surfaces in Acid Media. <i>Sustainability</i> , <b>2020</b> , 12, 3304	3.6	36
169	Azobenzenes and catalysis. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 379-398	5.5	36
168	Ligandless Suzuki-Miyaura reaction in neat water with or without native Cyclodextrin as additive. <i>Catalysis Communications</i> , <b>2013</b> , 32, 101-107	3.2	36
167	Toward a computational tool predicting the stereochemical outcome of asymmetric reactions. 1. Application to Sharpless asymmetric dihydroxylation. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 7275-82	4.2	35
166	First ligand-free, microwave-assisted, Heck cross-coupling reaction in pure water on a nucleoside application to the synthesis of antiviral BVDU. <i>RSC Advances</i> , <b>2014</b> , 4, 46926-46929	3.7	34
165	First synthesis and evaluation of the inhibitory effects of aza analogues of TSAO on HIV-1 replication. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 4276-84	8.3	34
164	Synthesis and anti-inflammatory activity evaluation of novel triazolyl-isatin hybrids. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 1520-6	5.6	33
163	Batch versus Continuous Flow Performance of Supported Mono- and Bimetallic Nickel Catalysts for Catalytic Transfer Hydrogenation of Furfural in Isopropanol. <i>ChemCatChem</i> , <b>2018</b> , 10, 3459-3468	5.2	32
162	Activity of continuous flow synthesized Pd-based nanocatalysts in the flow hydroconversion of furfural. <i>Tetrahedron</i> , <b>2017</b> , 73, 5599-5604	2.4	31
161	Synthesis and evaluation of a photochromic surfactant for organic reactions in aqueous media. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 9553-61	4.2	31

160	Evaluation of Heats of Combustion of Ionic Liquids through Use of Existing and Purpose-Built Models. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 3149-3156	3.9	31
159	Various carbohydrate precursors dehydration to 5-HMF in an acidic biphasic system under microwave heating using betaine as a co-catalyst. <i>Molecular Catalysis</i> , <b>2017</b> , 434, 80-85	3.3	30
158	Synthesis of cyclonucleosides having a C1 bridge. <i>Tetrahedron</i> , <b>2008</b> , 64, 7453-7475	2.4	29
157	Synthesis of 2',3'-didehydro-2',3'-dideoxynucleosides having variations at either or both of the 2'- and 3'-positions. <i>Tetrahedron</i> , <b>2006</b> , 62, 9085-9107	2.4	29
156	Highly Effective Synthesis of C-5-Substituted 2'-Deoxyuridine Using Suzuki-Miyaura Cross-Coupling in Water. <i>Synthesis</i> , <b>2012</b> , 44, 767-772	2.9	28
155	Facile separation of chiral 1,3-dihydrobenzo[c]furan derivatives using a d-xylose moiety as a protecting group. <i>Tetrahedron: Asymmetry</i> , <b>2000</b> , 11, 4995-5002		28
154	Nucleoside Analogues with a Novel Glycone Based on the Benzo[C]Furan Core. <i>Nucleosides &amp; Nucleotides</i> , <b>1999</b> , 18, 2613-2630		28
153	Synthesis of macromolecular systems via lipase catalyzed biocatalytic reactions: applications and future perspectives. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 6855-6887	58.5	27
152	High-affinity RNA targeting by oligonucleotides displaying aromatic stacking and amino groups in the major groove. Comparison of triazoles and phenyl substituents. <i>Journal of Organic Chemistry</i> , <b>2014</b> , 79, 2854-63	4.2	27
151	Microwave-Assisted Oxidation of Hydroxymethyl Furfural to Added-Value Compounds over a Ruthenium-Based Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 3091-3102	8.3	26
150	Microwave assisted efficient furfural production using nano-sized surface-sulfonated diamond powder. <i>Catalysis Communications</i> , <b>2018</b> , 110, 74-78	3.2	25
149	Diol appended quenchers for fluorescein boronic acid. <i>Chemistry - an Asian Journal</i> , <b>2010</b> , 5, 581-8	4.5	25
148	Glycerol in subcritical and supercritical solvents. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2017</b> , 92, 14-26	3.5	24
147	Microwaves under pressure for the continuous production of quinoline from glycerol. <i>Catalysis Today</i> , <b>2015</b> , 255, 66-74	5.3	24
146	Insights into the Selective Oxidation of 5-Hydroxymethylfurfural to 5-Hydroxymethyl-2-furancarboxylic Acid Using Silver Oxide. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 8486-8495	8.3	23
145	Recent advances in catalytic oxidation of 5-hydroxymethylfurfural. <i>Molecular Catalysis</i> , <b>2020</b> , 495, 111133	3.3	23
144	Innovative Protocols in the Catalytic Oxidation of 5-Hydroxymethylfurfural. <i>ChemSusChem</i> , <b>2021</b> , 14, 266-280	8.3	23
143	A cyclodextrin dimer as a supramolecular reaction platform for aqueous organometallic catalysis. <i>Chemical Communications</i> , <b>2013</b> , 49, 6989-91	5.8	22

142	Modified fluorapatite as highly efficient catalyst for the synthesis of chalcones via Claisen-Schmidt condensation reaction. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2016</b> , 39, 218-225	6.3	21
141	Diastereomeric resolution of nucleoside analogues, new potential antiviral agents, using high-performance liquid chromatography on polysaccharide-type chiral stationary phases. <i>Journal of Chromatography A</i> , <b>2002</b> , 943, 91-100	4.5	21
140	Original access to 5-arylracils from 5-iodo-2'-deoxyuridine via a microwave assisted Suzuki-Miyaura cross-coupling/deglycosylation sequence in pure water. <i>RSC Advances</i> , <b>2014</b> , 4, 46218-46223	3.7	20
139	New, Efficient Approach for the Ligand-Free Suzuki-Miyaura Reaction of 5-Iodo-2'-deoxyuridine in Water. <i>Synthesis</i> , <b>2013</b> , 45, 330-333	2.9	20
138	Regioselective functionalization of glycerol with a dithiocarbamate moiety: an environmentally friendly route to safer fungicides. <i>Green Chemistry</i> , <b>2011</b> , 13, 1129	10	20
137	Ceria-supported copper nanoparticles: A highly efficient and recyclable catalyst for N-arylation of indole. <i>Journal of Molecular Catalysis A</i> , <b>2014</b> , 395, 409-419		19
136	Self-assembly, photoresponsive behavior and transport potential of azobenzene grafted dendronized polymeric amphiphiles. <i>RSC Advances</i> , <b>2015</b> , 5, 48301-48310	3.7	19
135	Impact of cyclodextrins on the behavior of amphiphilic ligands in aqueous organometallic catalysis. <i>Beilstein Journal of Organic Chemistry</i> , <b>2012</b> , 8, 1479-84	2.5	19
134	Glycerol oligomerization in continuous flow reactor. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2017</b> , 51, 312-318	6.3	18
133	Heck and Sonogashira couplings in aqueous media Application to unprotected nucleosides and nucleotides. <i>Sustainable Chemical Processes</i> , <b>2015</b> , 3,		18
132	A new and original microwave continuous reactor under high pressure for future chemistry. <i>AICHE Journal</i> , <b>2017</b> , 63, 192-199	3.6	18
131	Amphiphilic photo-isomerisable phosphanes for aqueous organometallic catalysis. <i>Chemical Communications</i> , <b>2010</b> , 46, 7813-5	5.8	18
130	Recent advances on the catalytic conversion of waste cooking oil. <i>Molecular Catalysis</i> , <b>2020</b> , 494, 111128-3	3.3	18
129	Synthesis of 6-arylruidines via Suzuki-Miyaura cross-coupling reaction at room temperature under aerobic ligand-free conditions in neat water. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 3374-3377	2	17
128	Synthesis of 4-amino-5-H-2,3-dihydroisothiazole-1,1-dioxide ring systems on sugar templates via carbanion-mediated sulfonamide intramolecular cyclization reactions (CSIC protocols) of glyco-alpha-sulfonamidonitriles. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 843-56	4.2	17
127	A novel approach to unsaturated acyclic nucleoside analogues and the first synthesis of d4T by ring closure metathesis. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 3503-3505	2	17
126	Microwave-assisted catalytic upgrading of bio-based furfuryl alcohol to alkyl levulinate over commercial non-metal activated carbon. <i>Molecular Catalysis</i> , <b>2020</b> , 480, 110630	3.3	17
125	Insights on Thermal and Fire Hazards of Humins in Support of Their Sustainable Use in Advanced Biorefineries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 16692-16701	8.3	17



124	Enantioseparation of four cis and trans diastereomers of 2',3'-dideoxythymidine analogs, by high-performance liquid chromatography and capillary electrophoresis. <i>Journal of Chromatography A</i> , <b>2004</b> , 1034, 161-7	4.5	16
123	Novel conformationally restricted glycoamino acids from glyco- $\beta$ -aminonitriles as potent turn mimics in peptide synthesis. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 3805-3808	2	16
122	Emerging Roles of Calreticulin in Cancer: Implications for Therapy. <i>Current Protein and Peptide Science</i> , <b>2018</b> , 19, 344-357	2.8	16
121	DFT, Monte Carlo and molecular dynamics simulations for the prediction of corrosion inhibition efficiency of novel pyrazolynucleosides on Cu(111) surface in acidic media. <i>Scientific Reports</i> , <b>2021</b> , 11, 3771	4.9	16
120	Comprehensive study on expeditious conversion of pre-hydrolyzed alginic acid to furfural in Cu(II) biphasic systems using microwaves. <i>Molecular Catalysis</i> , <b>2018</b> , 445, 73-79	3.3	16
119	A Simple and Efficient Process for Large Scale Glycerol Oligomerization by Microwave Irradiation. <i>Catalysts</i> , <b>2017</b> , 7, 123	4	15
118	Enantioseparation of new nucleoside analogs, related to d4T and acyclovir, by chiral capillary electrophoresis using highly sulfated beta-cyclodextrins. <i>Electrophoresis</i> , <b>2004</b> , 25, 444-53	3.6	15
117	Nucleoside analogues: Glycones based on the benzo[c]furan core. <i>Collection of Czechoslovak Chemical Communications</i> , <b>1996</b> , 61, 145-147		15
116	Selective Pinacol Coupling on Regeneratable Supported Acids in Sole Water. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 6375-80	4.2	14
115	Synthesis of acyclic bis-vinyl pyrimidines: a general route to d4T via metathesis. <i>Tetrahedron</i> , <b>2003</b> , 59, 941-945	2.4	14
114	Characterization and Antioxidant Activity of Microwave-Extracted Phenolic Compounds from Biomass Residues. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 1513-1519	8.3	14
113	Toward the Sustainable Synthesis of Biosourced Divinylglycol from Glycerol. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 6996-7003	8.3	14
112	Continuous flow conversion of alkyl levulinates into $\beta$ -valerolactone in the presence of Ru/C as catalyst. <i>Molecular Catalysis</i> , <b>2019</b> , 475, 110456	3.3	13
111	Synthesis of Furfuryl Alcohol from Furfural: A Comparison between Batch and Continuous Flow Reactors. <i>Energies</i> , <b>2020</b> , 13, 1002	3.1	13
110	Emollients for cosmetic formulations: Towards relationships between physico-chemical properties and sensory perceptions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 536, 156-164	5.1	13
109	Microwave-Assisted, Metal-Free, Base-Mediated C-N Bond Formation/Cleavage: Synthesis of Benzimidazo[1,2-a]quinazoline Derivatives. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 2206-2210	8.3	13
108	Synthesis of 2,3-Dideoxy-2,3-dideoxynucleosides via Nucleoside Route.. <i>Current Organic Synthesis</i> , <b>2006</b> , 3, 261-281	1.9	13
107	Synthesis of novel dinucleosides via tandem cross-metathesis and ring-closing metathesis. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 6221-6224	2	13

106	Enantiomeric d4T analogues and their structural determination. <i>Tetrahedron: Asymmetry</i> , <b>2002</b> , 13, 407-413		13
105	1,3-dihydrobenzo[c]furan nucleoside analogues: additional studies of the thymine derivative. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2003</b> , 13, 4473-5	2.9	13
104	Natural Phosphate-supported Palladium: A Highly Efficient and Recyclable Catalyst for the Suzuki-Miyaura Coupling Under Microwave Irradiation. <i>Current Organic Chemistry</i> , <b>2015</b> , 18, 3141-3148	1.7	13
103	Synthesis and characterization of a new photoinduced switchable Cyclodextrin dimer. <i>Beilstein Journal of Organic Chemistry</i> , <b>2014</b> , 10, 2874-85	2.5	12
102	Cyclodextrin-Glycerol Dimers: Synthesis and NMR Conformational Analysis. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 2583-2590	3.2	12
101	Asymmetric synthesis of both enantiomers of two acyclic nucleoside analogues related to d4T and acyclovir. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 989-991	2	12
100	Asymmetric synthesis of novel isoindolines: azasaccharide mimics as potential enzyme inhibitors. <i>Journal of Pharmacy and Pharmacology</i> , <b>2001</b> , 53, 945-8	4.8	11
99	Synthesis and structure of novel cyclonucleoside analogues of uridine. <i>Tetrahedron</i> , <b>2008</b> , 64, 7828-7836	2.4	11
98	Synthesis and transformations of [1,2-O-isopropylidene- $\beta$ -erythro (and $\beta$ -ribo)furanose]-3-spiro-3'-(4'-amino-5'H-2',3'-dihydroisothiazole-1',1'-dioxide) derivatives. <i>Tetrahedron</i> , <b>2004</b> , 60, 4709-4727	2.4	11
97	One-Pot FDCA Diester Synthesis from Mucic Acid and Their Solvent-Free Regioselective Polytransesterification for Production of Glycerol-Based Furanic Polyesters. <i>Molecules</i> , <b>2019</b> , 24,	4.8	10
96	Selective Pinacol-Coupling Reaction using a Continuous Flow System. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 11065-11071	4.2	10
95	Metal-Free Reduction of Nitrobenzene to Aniline in Subcritical Water. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 7431-7437	4.2	10
94	Chemo-Enzymatic Synthesis of Oligoglycerol Derivatives. <i>Molecules</i> , <b>2016</b> , 21,	4.8	10
93	First pinacol coupling in emulsified water: key role of surfactant and impact of alternative activation technologies. <i>ChemSusChem</i> , <b>2015</b> , 8, 1664-75	8.3	9
92	Triazolyl Derivatives for Acidic Release of Alcohols. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 2111-2119	3.2	9
91	Enantioseparation of cis and trans nucleosides, aromatic analogues of stavudine, by capillary electrophoresis and high-performance liquid chromatography. <i>Journal of Chromatography A</i> , <b>2006</b> , 1132, 141-7	4.5	9
90	Determination of the enantiomeric purity of nucleoside analogs related to d4T and acyclovir, new potential antiviral agents, using liquid chromatography on cellulose chiral stationary phases. <i>Journal of Chromatography A</i> , <b>2002</b> , 972, 211-9	4.5	9
89	Enantiomeric excess determination, purification and biological evaluation of (3S) and (3R) $\alpha,\beta$ -butenolide analogues of isobenzofuranone. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 501-4	2.9	9



88	Isosorbide: Recent advances in catalytic production. <i>Molecular Catalysis</i> , <b>2020</b> , 482, 110648	3.3	9
87	First examples of Doebner-Miller reaction in flow: Efficient production of 2-methylquinoline derivatives in water. <i>Journal of Flow Chemistry</i> , <b>2016</b> , 6, 80-85	3.3	9
86	Green and Scalable Palladium-on-Carbon-Catalyzed Tsuji-Yost Coupling Reaction Using an Efficient and Continuous Flow System. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 1078-1085	3.2	8
85	Mechanistic insights into the microwave-assisted cinnamyl alcohol oxidation using supported iron and palladium catalysts. <i>Molecular Catalysis</i> , <b>2019</b> , 474, 110409	3.3	8
84	Microwave-Assisted Homogeneous Acid Catalysis and Chemoenzymatic Synthesis of Dialkyl Succinate in a Flow Reactor. <i>Catalysts</i> , <b>2019</b> , 9, 272	4	8
83	Simple and expeditious pinacol coupling of non usual $\alpha$ -unsaturated carbonyl compounds in water. <i>RSC Advances</i> , <b>2015</b> , 5, 46026-46030	3.7	8
82	Microwave assisted benzyl alcohol oxidation using iron particles on furfuryl alcohol derived supports. <i>Catalysis Communications</i> , <b>2018</b> , 104, 67-70	3.2	8
81	Limitations of current risk assessment methods to foresee emerging risks: Towards a new methodology?. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2016</b> , 43, 730-735	3.5	8
80	Asymmetric dihydroxylation of chiral styrene derivatives: development of an analytical strategy for the determination of the diastereomeric excess. <i>Tetrahedron: Asymmetry</i> , <b>2002</b> , 13, 529-537		8
79	Asymmetric synthesis of (3S) 3-benzoyloxymethylisobenzofuranone and its 3R enantiomer as analogues of $\beta$ -butenolides. <i>Tetrahedron Letters</i> , <b>2003</b> , 44, 663-666	2	8
78	Molecular Oxygen-Promoted Synthesis of Methyl Levulinate from 5-Hydroxymethylfurfural. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 14576-14583	8.3	8
77	Design and physicochemical properties of long and stiff fatty low molecular weight oleogelators. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 295, 111708	6	7
76	Nanostructured Pyrophosphate Na <sub>2</sub> PdP <sub>2</sub> O <sub>7</sub> -Catalyzed Suzuki-Miyaura Cross-Coupling Under Microwave Irradiation. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e4232	3.1	7
75	Water-soluble diphosphadiazacyclooctanes as ligands for aqueous organometallic catalysis. <i>Catalysis Communications</i> , <b>2012</b> , 29, 77-81	3.2	7
74	Selectivity in C-alkylation of dianions of protected 6-methyluridine. <i>Beilstein Journal of Organic Chemistry</i> , <b>2011</b> , 7, 1228-33	2.5	7
73	Synthesis and Biological Evaluation of 4'-,3'--Propylene-Linked Bicyclic Nucleosides. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 7390-7399	3.2	7
72	Synthesis, conformation and antiviral activity of nucleoside analogues with the (2-hydroxy-1-phenylethoxy)methyl glycone family of nucleoside analogues related to d4T and aciclovir. <i>New Journal of Chemistry</i> , <b>2005</b> , 29, 1461	3.6	7
71	The prediction multi-phase, multi reactant equilibria by minimizing the Gibbs energy of the system: Review of available techniques and proposal of a new method based on a Monte Carlo technique. <i>Chemical Engineering Science</i> , <b>2020</b> , 216, 115433	4.4	7

70	Facile, catalyst-free, microwave-assisted access toward the synthesis of 2-aryl/alkyl-3-(1H-benzo[d]imidazol-2-yl)-2, 3-dihydroquinazolin-4(1H)-ones. <i>Synthetic Communications</i> , <b>2017</b> , 47, 756-763	1.7	6
69	One-step Barton decarboxylation by micellar catalysis Application to the synthesis of maleimide derivatives. <i>RSC Advances</i> , <b>2015</b> , 5, 69616-69620	3.7	6
68	Aqueous microwave-assisted cross-coupling reactions applied to unprotected nucleosides. <i>Frontiers in Chemistry</i> , <b>2015</b> , 3, 10	5	6
67	Continuous-Flow Reductive Alkylation: Synthesis of Bio-based Symmetrical and Disymmetrical Ethers. <i>Synthesis</i> , <b>2018</b> , 50, 1849-1856	2.9	6
66	Conjugated Dienyl Derivatives by Green Bisallylic Substitution: Synthetic and Mechanistic Insight. <i>ChemCatChem</i> , <b>2016</b> , 8, 2321-2328	5.2	6
65	Novel Strategy for the Bis-Butenolide Synthesis via Ring-Closing Metathesis. <i>Synthesis</i> , <b>2012</b> , 44, 137-143.	3.9	6
64	Synthesis of Bis(Carbamoyl Ester) Derivatives of D-Glucose as Antifungal Products. <i>Journal of Carbohydrate Chemistry</i> , <b>1997</b> , 16, 1029-1049	1.7	6
63	HPLC Separation and Determination of Enantiomeric Purity of Novel Nucleoside Analogs, on Cyclodextrin Chiral Stationary Phases, Using Reversed and Polar Organic Modes. <i>Analytical Letters</i> , <b>2004</b> , 37, 385-398	2.2	6
62	Chiral separation of nucleoside analogues of d4T and acyclovir, by liquid chromatography, of amylose stationary phases and determination of enantiomeric purity. <i>Chromatographia</i> , <b>2002</b> , 56, 567-572 <sup>1</sup>	2.1	6
61	Synthesis, stability, and biological evaluation of 1,3-dihydrobenzo[c]furan analogue of d4T and its SATE pronucleotide. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2003</b> , 22, 943-5	1.4	6
60	Nano-Structured Pyrophosphate Na <sub>2</sub> CaP <sub>2</sub> O <sub>7</sub> as Catalyst for Selective Synthesis of 1,2-Disubstituted Benzimidazoles in Pure Water. <i>Current Organic Chemistry</i> , <b>2015</b> , 19, 2132-2140	1.7	6
59	Photocatalytic Production of Vanillin over CeO <sub>x</sub> and ZrO <sub>2</sub> Modified Biomass-Templated Titania. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 17085-17093	3.9	6
58	Barton decarboxylation under ultrasonic continuous flow. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 7414-7420.	3.6	6
57	Transfer hydrogenation of furfural to furfuryl alcohol over modified Zr-based catalysts using primary alcohols as H-donors. <i>Molecular Catalysis</i> , <b>2021</b> , 499, 111199	3.3	6
56	Efficient Liquid-Assisted Grinding Selective Aqueous Oxidation of Sulfides Using Supported Heteropolyacid Catalysts. <i>ChemCatChem</i> , <b>2019</b> , 11, 2537-2545	5.2	5
55	Design of New Antifungal Dithiocarbamic Esters Having Bio-Based Acrylate Moiety. <i>ACS Omega</i> , <b>2019</b> , 4, 4779-4784	3.9	5
54	Synthesis of Phenylacetaldehyde from 1-Phenylethan-1,2-diol by Microwave-Assisted Dehydration in Water. <i>Catalysis Letters</i> , <b>2015</b> , 145, 1851-1855	2.8	5
53	Neuroprotective and Antioxidant Activities of 4-Methylcoumarins: Development of Structure-Activity Relationships. <i>Biological and Pharmaceutical Bulletin</i> , <b>2016</b> , 39, 1544-8	2.3	5

52	Synthesis of 3-vinyl-2,5-dihydrofuran ring system via enyne metathesis. <i>Carbohydrate Research</i> , <b>2010</b> , 345, 324-9	2.9	5
51	On the Origin of the Facial Selectivity of the Sharpless Asymmetric Dihydroxylation of Styrene Derivatives. <i>Journal of Carbohydrate Chemistry</i> , <b>2003</b> , 22, 25-34	1.7	5
50	Chapter 3: Microwave-assisted Coupling Reactions in Aqueous Media. <i>RSC Green Chemistry</i> , <b>2010</b> , 55-90	0.9	5
49	Humins in the environment: early stage insights on ecotoxicological aspects. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2019</b> , 13, 464-470	5.3	5
48	Theoretical analysis of the green synthesis of aniline by reduction of nitrobenzene. <i>Chemical Engineering Science</i> , <b>2020</b> , 211, 115275	4.4	5
47	Highly Selective Biocatalytic Transesterification Reactions on Aryl 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoates. <i>Catalysis Letters</i> , <b>2015</b> , 145, 919-929	2.8	4
46	Formal synthesis of TMC-69-6H via a one-pot enantioselective domino proline-mediated aldol/olefin homologation procedure. <i>Tetrahedron</i> , <b>2012</b> , 68, 433-439	2.4	4
45	Asymmetric synthesis of thymine nucleoside analogues based on the isochroman core. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 4835-4838	2	4
44	Synthesis of diastereoisomeric pairs of novel analogues of d4T having an isochroman glycon moiety; their enzymatic kinetic resolution, their enantiopure synthesis, molecular modeling and NMR structural study. <i>Tetrahedron</i> , <b>2005</b> , 61, 10583-10595	2.4	4
43	Selective oxidation of 5-hydroxymethylfurfural to 5-hydroxymethyl-2-furancarboxylic acid using silver oxide supported on calcium carbonate. <i>Molecular Catalysis</i> , <b>2021</b> , 502, 111374	3.3	4
42	Chemoenzymatic Synthesis, Nanotization, and Anti-Aspergillus Activity of Optically Enriched Fluconazole Analogues. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2017</b> , 61,	5.9	3
41	A Novel Strategy for Selective $\alpha$ -Methylation of Glycerol in Subcritical Methanol. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 357	5	3
40	Simple green dehydration in biphasic medium: Application to the synthesis of phenylacetaldehyde. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 411, 72-77		3
39	Synthesis of C-arylnucleoside analogues. <i>Molecules</i> , <b>2015</b> , 20, 4967-97	4.8	3
38	Electrospray tandem mass-spectrometric analysis of diastereo- and stereoisomeric pyrimidine nucleoside analogues based on the 1,3-dihydrobenzo[c]furan core. <i>Carbohydrate Research</i> , <b>2003</b> , 338, 2311-24	2.9	3
37	SYNTHESIS OF DITHIO-, THIO-AND CARBAMOYL ESTER DERIVATIVES OF MONOSACCHARIDES AND ITOLS. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1998</b> , 133, 41-59	1	3
36	Natural Phosphate-Supported Palladium for Hydration of Aromatic Nitriles to Amides in Aqueous Medium. <i>Current Organic Chemistry</i> , <b>2016</b> , 20, 2022-2028	1.7	3
35	Biocatalytic Synthesis of Novel Partial Esters of a Bioactive Dihydroxy 4-Methylcoumarin by <i>Rhizopus oryzae</i> Lipase (ROL). <i>Molecules</i> , <b>2016</b> , 21,	4.8	3

34	Improving the Predictability of Chemical Equilibrium Software. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 411-419	3.9	3
33	Glycerol and Catalysis by Waste/Low-Cost Materials – A Review. <i>Catalysts</i> , <b>2022</b> , 12, 570	4	3
32	Sensitivity of the Predictability of Chemical Equilibrium Software to the Choice of the Products. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 2654-2660	3.9	2
31	Nanostructured Zirconium Pyrophosphate Catalyzed Diastereoselective Synthesis of $\beta$ -Amino Ketones via One-Pot Three-Component Mannich Reaction. <i>Catalysis Letters</i> , <b>2018</b> , 148, 699-711	2.8	2
30	Efficient Synthesis, Calorimetric and Rheological Studies of Symmetrical Biobased Fatty Ethers. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 10329-10334	3.9	2
29	Potential Supramolecular Cyclodextrin Dimers Using Nucleobase Pairs. <i>Synlett</i> , <b>2009</b> , 2009, 2875-2879	2.2	2
28	Synthesis of AZA analogues of TSAO. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2003</b> , 22, 939-41	1.4	2
27	SYNTHESIS OF POLY(DITHIO-, THIO-AND CARBAMOYL (THIO)ESTER) DERIVATIVES OF D-GLUCOSE. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2001</b> , 173, 59-65	1	2
26	Strategy for the Preparation of 2' and 3' Branched Nucleosides. <i>Pharmacy and Pharmacology Communications</i> , <b>1999</b> , 5, 165-168		2
25	Innovative continuous synthesis of solketal. <i>Journal of Flow Chemistry</i> , 1	3.3	2
24	Exploring the potential of biomass-templated Nb/ZnO nanocatalysts for the sustainable synthesis of N-heterocycles. <i>Catalysis Today</i> , <b>2021</b> , 368, 243-249	5.3	2
23	Microwave-Assisted Continuous Flow for the Selective Oligomerization of Glycerol. <i>Catalysts</i> , <b>2021</b> , 11, 166	4	2
22	Divinylglycol, a Glycerol-Based Monomer: Valorization, Properties, and Applications. <i>ACS Symposium Series</i> , <b>2018</b> , 299-330	0.4	2
21	Application of Heck Alkenylation Reaction in Modified Nucleoside Synthesis <b>2018</b> , 147-166		2
20	Synthesis of Conformationally Constrained Nucleoside Analogues 345-426		2
19	Selective One-Pot Three-Step Cascade Reaction: From Aromatic Aldehydes to 2,2-Diphenylethanol Derivatives. <i>Organic Process Research and Development</i> , <b>2017</b> , 21, 835-843	3.9	1
18	Effect of KOH Pretreatment on Lignocellulosic Waste for the Reduction of Nitrobenzene to Aniline without Metal. <i>Sustainability</i> , <b>2020</b> , 12, 4665	3.6	1
17	Palladium-Catalyzed Cross-Coupling in Continuous Flow at Room and Mild Temperature <b>2018</b> , 183-206		1

16	Synthetic, Structural, and Anticancer Activity Evaluation Studies on Novel Pyrazolynucleosides. <i>Molecules</i> , <b>2019</b> , 24,	4.8	1
15	Triphenyl Phosphite-mediated Green Synthesis of Novel Carboxycoumarin Amides. <i>Current Green Chemistry</i> , <b>2017</b> , 3, 366-373	1.3	1
14	Synthesis of a novel uridine analogue and its use in attempts to form new cyclonucleosides using ring-closing metathesis. <i>Science China Chemistry</i> , <b>2010</b> , 53, 1932-1936	7.9	1
13	Synthesis and anti-inflammatory activity evaluation of novel chroman derivatives. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 13716-13727	3.6	1
12	One-pot synthesis of dimethyl succinate from d-fructose using Amberlyst-70 catalyst. <i>Molecular Catalysis</i> , <b>2021</b> , 508, 111584	3.3	1
11	Evaluation of the Free Radical Scavenging Activities of Ellagic Acid and Ellagic Acid Peracetate by EPR Spectrometry. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
10	Fire Propagation Behavior of Some Biobased Furanic Compounds with a Focus on the Polymer PEF.. <i>ACS Omega</i> , <b>2022</b> , 7, 9181-9195	3.9	1
9	Cu/cellulose-modified magnetite nanocomposites as a highly active and selective catalyst for ultrasound-promoted aqueous O-arylation Ullmann and sp-sp <sup>2</sup> Sonogashira cross-coupling reactions. <i>Sustainable Chemistry and Pharmacy</i> , <b>2022</b> , 27, 100672	3.9	1
8	Carbon-Based Nanocatalysts (CnCs) for Biomass Valorization and Hazardous Organics Remediation. <i>Nanomaterials</i> , <b>2022</b> , 12, 1679	5.4	1
7	Apatites based catalysts: A tentative classification. <i>Molecular Catalysis</i> , <b>2022</b> , 519, 112146	3.3	0
6	Density functional theory study of the selective oxidation of 5-Hydroxymethylfurfural (HMF) to 5-Hydroxymethyl-2-furancarboxylic acid (HMFA) on the Silver oxide surface (001). <i>Molecular Catalysis</i> , <b>2022</b> , 519, 112117	3.3	0
5	Insights into bimetallic synergistic effect towards Valerolactone production under Co doped Zr-TiO <sub>2</sub> . <i>Molecular Catalysis</i> , <b>2022</b> , 524, 112258	3.3	0
4	High selective oxidation of 5-hydroxymethyl furfural to 5-hydroxymethyl-2-furan carboxylic acid using Ag-TiO <sub>2</sub> . <i>Molecular Catalysis</i> , <b>2022</b> , 525, 112353	3.3	0
3	cRh-Catalyzed Hydroformylation of Divinylglycol: An Effective Way to Access 2,7-Dioxadecalin-3,8-diol. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 4372-4376	3.2	
2	Efficient Synthesis of Dihydropyrimidines Using a Highly Ordered Mesoporous Functionalized Pyridinium Organosilica. <i>Catalysts</i> , <b>2022</b> , 12, 350	4	
1	Continuous flow Reductive Alkylation of Methanol by Aldehydes. Synthesis of O-Methyl Ethers and 1,1-Dimethoxyacetals. <i>Molecular Catalysis</i> , <b>2022</b> , 524, 112321	3.3	