

# Carlos A M Afonso

## 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.

275 papers	11,974 citations	54 h-index	102 g-index
338 ext. papers	13,074 ext. citations	6.3 avg, IF	6.59 L-index

#	Paper	IF	Citations
275	Tandem Thio-Michael Addition/Remote Lactone Activation of 5-Hydroxymethylfurfural-Derived $\gamma$ -Lactone-Fused Cyclopentenones.. <i>ChemSusChem</i> , <b>2022</b> , e202102204	8.3	
274	Sustainable chemical and biological technologies for the production of enantiopure added-value molecules in biorefineries <b>2022</b> , 295-335		0
273	One-Pot Transformation of Salicylaldehydes to Spiroepoxydienones the Adler-Becker Reaction in a Continuous Flow.. <i>ACS Omega</i> , <b>2022</b> , 7, 11570-11577	3.9	
272	Reactivity of trifluoromethyl-tetrazolo[1,5-a]pyrimidines in click chemistry and hydrogenation. <i>Journal of Fluorine Chemistry</i> , <b>2022</b> , 257-258, 109973	2.1	
271	(1R,4S,5S)-5-((3-Hydroxypropyl)amino)-4-((1-methyl-1H-tetrazol-5-yl)thio)cyclopent-2-en-1-ol. <i>MolBank</i> , <b>2021</b> , 2021, M1199	0.5	0
270	Functionalized Cyclopentenones and an Oxime Ether as Antimicrobial Agents. <i>ChemMedChem</i> , <b>2021</b> , 16, 2781-2785	3.7	3
269	Tuning the <sup>1</sup> H NMR Paramagnetic Relaxation Enhancement and Local Order of [Aliquat]-Based Systems Mixed with DMSO. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
268	Preparation of activated charcoal from <i>Acrocomia aculeata</i> for purification of pretreated crude glycerol. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	2.3	4
267	Activity to Breast Cancer Cell Lines of Different Malignancy and Predicted Interaction with Protein Kinase C Isoforms of Royleanones. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
266	Molecular Docking Studies of Royleanone Diterpenoids from spp. as P-Glycoprotein Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , <b>2020</b> , 11, 839-845	4.3	11
265	Resolution of alkaloid racemate: a novel microbial approach for the production of enantiopure lupanine via industrial wastewater valorization. <i>Microbial Cell Factories</i> , <b>2020</b> , 19, 67	6.4	2
264	Chitin-glucan complex - Based biopolymeric structures using biocompatible ionic liquids. <i>Carbohydrate Polymers</i> , <b>2020</b> , 247, 116679	10.3	13
263	The olive-tree leaves as a source of high-added value molecules: Oleuropein. <i>Studies in Natural Products Chemistry</i> , <b>2020</b> , 64, 131-180	1.5	10
262	Palladium-catalyzed allylic substitution between C-based nucleophiles and 6-azabicyclo[3.1.0]-hex-3-en-2-oxy derivatives: A new selectivity paradigm. <i>Tetrahedron</i> , <b>2020</b> , 76, 131182-4	2.4	4
261	Rediscovering amination chemistry: copper(II) catalysed formation under mild conditions. <i>Green Chemistry</i> , <b>2020</b> , 22, 7484-7490	10	3
260	Royleanone Derivatives From spp. as a Novel Class of P-Glycoprotein Inhibitors. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 557789	5.6	3
259	A study on lupin beans process wastewater nanofiltration treatment and lupanine recovery. <i>Journal of Cleaner Production</i> , <b>2020</b> , 277, 123349	10.3	7

258	Securing a furan-based biorefinery: disclosing the genetic basis of the degradation of hydroxymethylfurfural and its derivatives in the model fungus <i>Aspergillus nidulans</i> . <i>Microbial Biotechnology</i> , <b>2020</b> , 13, 1983-1996	6.3	5
257	Synthesis and reactivity/stability study of double-functionalizable strained trans-cyclooctenes for tetrazine bioorthogonal reactions. <i>Pure and Applied Chemistry</i> , <b>2020</b> , 92, 15-23	2.1	1
256	Polybenzimidazole for Active Pharmaceutical Ingredient Purification: The Mometasone Furoate Case Study. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 10524-10532	3.9	3
255	Efficient Continuous Production of the Biofuel Additive 5-(t-Butoxymethyl) Furfural from 5-Hydroxymethylfurfural. <i>Energy Technology</i> , <b>2019</b> , 7, 1900780	3.5	4
254	Process Intensification for the Synthesis of 6-Allyl-6-azabicyclo[3.1.0]hex-3-en-2-ol from 1-Allylpyridinium Salt Using a Continuous UV-Light Photoflow Approach. <i>Methods and Protocols</i> , <b>2019</b> , 2, 67	2.5	3
253	Creating Diversity from Biomass: A Tandem Bio/Metal-Catalysis towards Chemoselective Synthesis of Densely Substituted Furans. <i>ChemSusChem</i> , <b>2019</b> , 12, 4629-4635	8.3	13
252	Battling Glioblastoma: A Novel Tyrosine Kinase Inhibitor with Multi-Dimensional Anti-Tumor Effect (Running Title: Cancer Cells Death Signalling Activation). <i>Cells</i> , <b>2019</b> , 8,	7.9	3
251	Synthesis of silacyclopent-2-en-4-ols via intramolecular [2 + 2] photocycloaddition of benzoyl(allyl)silanes. <i>Organic Chemistry Frontiers</i> , <b>2019</b> , 6, 3793-3798	5.2	1
250	Direct Conversion of Activated 5-Hydroxymethylfurfural into $\alpha$ -Lactone-Fused Cyclopentenones. <i>ChemSusChem</i> , <b>2019</b> , 12, 420-425	8.3	9
249	Flow-Assisted Synthesis of Bicyclic Aziridines via Photochemical Transformation of Pyridinium Salts. <i>Organic Process Research and Development</i> , <b>2018</b> , 22, 551-556	3.9	16
248	Enhanced photoconversion of 1,2-bis(2-methyl-1-benzothiophene-3-yl)perfluorocyclopentene in ionic liquid solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 358, 44-50	4.7	2
247	Going Beyond the Limits of the Biorenewable Platform: Sodium Dithionite-Promoted Stabilization of 5-Hydroxymethylfurfural. <i>ChemSusChem</i> , <b>2018</b> , 11, 1612-1616	8.3	34
246	Copper(II) Triflate As a Reusable Catalyst for the Synthesis of trans-4,5-Diamino-cyclopent-2-enones in Water. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 7509-7513	4.2	20
245	Synthesizing a Berberine Derivative and Evaluating Antimicrobial Activity To Reinforce with Students the Potential Significance of Small Chemical Structure Changes for Biological Systems. <i>Journal of Chemical Education</i> , <b>2018</b> , 95, 492-495	2.4	2
244	Synthesis and Applications of Stenhouse Salts and Derivatives. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 9170-9186	4.8	43
243	Synthesis, Cytotoxicity Evaluation in Human Cell Lines and in Vitro DNA Interaction of a Hetero-Arylidene-9(10H)-Anthrone. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 545-549	3.2	5
242	Pot-Economy Autooxidative Condensation of 2-Aryl-2-lithio-1,3-dithianes. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 1948-1958	4.2	18
241	Studies on the dynamic resolution of Crizotinib intermediate. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 1333-1337	3.4	7

- 240 Pyridinium salts: from synthesis to reactivity and applications. *Organic Chemistry Frontiers*, **2018**, 5, 453-493 142
- 239 Phenotypic screening identifies a new oxazolone inhibitor of necroptosis and neuroinflammation. *Cell Death Discovery*, **2018**, 4, 10 6.9 9
- 238 Anticancer properties of the abietane diterpene 6,7-dehydroroleanone obtained by optimized extraction. *Future Medicinal Chemistry*, **2018**, 10, 1177-1189 4.1 12
- 237 Ruthenium-Catalyzed C-H Arylation and Alkenylation of Furfural Imines with Boronates. *European Journal of Organic Chemistry*, **2018**, 2018, 6101-6106 3.2 10
- 236 Bioconversion of alkaloids to high-value chemicals: Comparative analysis of newly isolated lupanine degrading strains. *Chemosphere*, **2018**, 193, 50-59 8.4 11
- 235 Oleuropein: A Valuable Bio-Renewable Synthetic Building Block. *European Journal of Organic Chemistry*, **2018**, 2018, 581-589 3.2 11
- 234 Solvent-Free Catalytic Self-Etherification of 5-Hydroxymethyl Furfural. *ChemCatChem*, **2018**, 10, 5406-5409 4.9 2
- 233 Acetylcholinesterase Choline-Based Ionic Liquid Inhibitors: In Vitro and in Silico Molecular Docking Studies. *ACS Omega*, **2018**, 3, 17145-17154 3.9 6
- 232 PEG600-carboxylates as acylating agents for the continuous enzymatic kinetic resolution of alcohols and amines. *Molecular Catalysis*, **2018**, 459, 89-96 3.3 8
- 231 Mimicking DNA alkylation: Removing genotoxin impurities from API streams with a solvent stable polybenzimidazole-adenine polymer. *Reactive and Functional Polymers*, **2018**, 131, 258-265 4.6 3
- 230 Valorization of Oleuropein via Tunable Acid-Promoted Methanolysis. *ChemSusChem*, **2018**, 11, 2300-2305 5.3 9
- 229 Contactless decontamination of hair samples: cannabinoids. *Drug Testing and Analysis*, **2017**, 9, 282-288 3.5 6
- 228 Synthesis, antimicrobial activity and cytotoxic investigation of novel trifluoromethylated tetrazolo[1,5-a]pyrimidines. *Medicinal Chemistry Research*, **2017**, 26, 640-649 2.2 10
- 227 Response to the letter to the editor Reply to Restolho et al. "Contactless decontamination of hair samples: cannabinoids" by Moosmann and Auwarter. *Drug Testing and Analysis*, **2017**, 9, 290-292 3.5
- 226 Solvent compatible polymer functionalization with adenine, a DNA base, for API degenotoxification: Preparation and characterization. *Separation and Purification Technology*, **2017**, 179, 438-448 8.3 5
- 225 Preyssler Heteropolyacids in the Self-Etherification of 5-Hydroxymethylfurfural to 5,5?-[Oxybis(methylene)]bis-2-furfural Under Mild Reaction Conditions. *ChemCatChem*, **2017**, 9, 3322-3329 5.2 16
- 224 Rational design of nanoparticles towards targeting antigen-presenting cells and improved T cell priming. *Journal of Controlled Release*, **2017**, 258, 182-195 11.7 62
- 223 Ecotoxicological evaluation of magnetic ionic liquids. *Ecotoxicology and Environmental Safety*, **2017**, 143, 315-321 7 28

222	Developments in the Reactivity of 2-Methylimidazolium Salts. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 6232-6241	4.2	6
221	Bifunctional Cr <sup>3+</sup> modified ion exchange resins as efficient reusable catalysts for the production and isolation of 5-hydroxymethylfurfural from glucose. <i>RSC Advances</i> , <b>2017</b> , 7, 7555-7559	3.7	23
220	Synthesis of trans-4,5-diaminocyclopent-2-enones from furfural catalyzed by Er(III) immobilized on silica. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 302-304	2	19
219	Synthesis of trans-4,5-Bis-dibenzylaminocyclopent-2-enone from Furfural Catalyzed by ErCl <sub>3</sub> ·6H <sub>2</sub> O. <i>Journal of Chemical Education</i> , <b>2017</b> , 94, 1587-1589	2.4	3
218	H NMR Relaxometry and Diffusometry Study of Magnetic and Nonmagnetic Ionic Liquid-Based Solutions: Cosolvent and Temperature Effects. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 11472-11484	3.4	6
217	Enzymatic Kinetic Resolution of Secondary Alcohols Using an Ionic Anhydride Generated In Situ. <i>ChemSusChem</i> , <b>2017</b> , 10, 296-302	8.3	4
216	Proteomic Insights on the Metabolism of during the Biotransformation of the Plant Terpenoid Labdanolic Acid. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2017</b> , 5, 45	5.8	3
215	Oxidation of 5-Chloromethylfurfural (CMF) to 2,5-Diformylfuran (DFF). <i>Molecules</i> , <b>2017</b> , 22,	4.8	7
214	Biomass-Based and Oxidant-Free Preparation of Hydroquinone from Quinic Acid. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 3856-3861	3.2	5
213	Choline-Based Ionic Liquids: Improvement of Antimicrobial Activity. <i>ChemistrySelect</i> , <b>2016</b> , 1, 5909-5916	1.8	22
212	Optimization of protein loaded PLGA nanoparticle manufacturing parameters following a quality-by-design approach. <i>RSC Advances</i> , <b>2016</b> , 6, 104502-104512	3.7	6
211	Ring Opening of 6-Azabicyclo[3.1.0]hex-3-en-2-ols in Water under Mild Conditions. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 2048-2053	3.2	10
210	Magnetic modulation of the transport of organophilic solutes through Supported Magnetic Ionic Liquid Membranes. <i>Journal of Membrane Science</i> , <b>2016</b> , 505, 36-43	9.6	9
209	New low viscous cholinium-based magnetic ionic liquids. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 3124-3129	3.6	14
208	Basicity and stability of urea deep eutectic mixtures. <i>RSC Advances</i> , <b>2016</b> , 6, 5485-5490	3.7	32
207	Reactivity of Diterpenoid Quinones: Royleanones. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 1682-714	3.3	12
206	Preparation and Characterization of Facilitated Transport Membranes Composed of Chitosan-Styrene and Chitosan-Acrylonitrile Copolymers Modified by Methylimidazolium Based Ionic Liquids for CO <sub>2</sub> Separation from CH <sub>4</sub> and N <sub>2</sub> . <i>Membranes</i> , <b>2016</b> , 6,	3.8	28
205	Evaluating the toxicity of biomass derived platform chemicals. <i>Green Chemistry</i> , <b>2016</b> , 18, 4733-4742	10	25

204	Synthesis of Chiral Cyclopentenones. <i>Chemical Reviews</i> , <b>2016</b> , 116, 5744-893	68.1	148
203	Effect of water activity on carbon dioxide transport in cholinium-based ionic liquids with carbonic anhydrase. <i>Separation and Purification Technology</i> , <b>2016</b> , 168, 74-82	8.3	13
202	Capture of Opiates by Ionic Liquids. <i>Journal of Solution Chemistry</i> , <b>2015</b> , 44, 440-453	1.8	1
201	Synthesis of a Biologically Active Oxazol-5-(4H)-one via an Erlenmeyer-Plöchl Reaction. <i>Journal of Chemical Education</i> , <b>2015</b> , 92, 1543-1546	2.4	13
200	Plasma membrane permeabilisation by ionic liquids: a matter of charge. <i>Green Chemistry</i> , <b>2015</b> , 17, 4587-4598	4.5	25
199	Targeting the erythrocytic and liver stages of malaria parasites with s-triazine-based hybrids. <i>ChemMedChem</i> , <b>2015</b> , 10, 883-90	3.7	10
198	Synthesis of Symmetric Bis(N-alkylaniline)triarylmethanes via Friedel-Crafts-Catalyzed Reaction between Secondary Anilines and Aldehydes. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 10404-11	4.2	24
197	Organocatalyzed One-Step Synthesis of Functionalized N-Alkyl-Pyridinium Salts from Biomass Derived 5-Hydroxymethylfurfural. <i>Organic Letters</i> , <b>2015</b> , 17, 5244-7	6.2	26
196	PEG600-Carboxylates as Efficient Reusable Reaction Media and Acylating Agents for the Resolution of sec-Alcohols. <i>ChemPlusChem</i> , <b>2015</b> , 80, 42-46	2.8	5
195	A 1,3,5-triazine based polymer as a nonlinear near-infrared antenna for two-photon activated volumetric optical memory devices. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 10775-10782	7.1	12
194	Development, optimization, and validation of a novel extraction procedure for the removal of opiates from human hair's surface. <i>Drug Testing and Analysis</i> , <b>2015</b> , 7, 385-92	3.5	7
193	Diazo- and transition-metal-free C-H insertion: a direct synthesis of lactams. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 1449-53	4.8	27
192	CHAPTER 2:The Dissolution of Biomass in Ionic Liquids Towards Pre-Treatment Approach. <i>RSC Green Chemistry</i> , <b>2015</b> , 38-64	0.9	3
191	"Click and go": simple and fast folic acid conjugation. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 3181-3190	3.9	36
190	Integrated desulfurization of diesel by combination of metal-free oxidation and product removal by molecularly imprinted polymers. <i>RSC Advances</i> , <b>2014</b> , 4, 54948-54952	3.7	14
189	Isolation, analytical quantification and seasonal variation of labdanolic acid from the Portuguese-grown <i>Cistus ladaniferus</i> . <i>Industrial Crops and Products</i> , <b>2014</b> , 60, 226-232	5.9	10
188	Sustainable design for environment-friendly mono and dicationic cholinium-based ionic liquids. <i>Ecotoxicology and Environmental Safety</i> , <b>2014</b> , 108, 302-10	7	69
187	Synthesis and characterization of Magnetic Ionic Liquids (MILs) for CO <sub>2</sub> separation. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2014</b> , 89, 866-871	3.5	73

186	An emerging platform from renewable resources: selection guidelines for human exposure of furfural-related compounds. <i>Toxicology Research</i> , <b>2014</b> , 3, 311-314	2.6	11
185	NHC catalysed direct addition of HMF to diazo compounds: synthesis of acyl hydrazones with antitumor activity. <i>RSC Advances</i> , <b>2014</b> , 4, 29352-29356	3.7	15
184	Hydraulic pressures generated in magnetic ionic liquids by paramagnetic fluid/air interfaces inside of uniform tangential magnetic fields. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 428, 16-23	9.3	12
183	Trienamines derived from 5-substituted furfurals: remote $\beta$ -functionalization of 2,4-dienals. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 9324-8	3.9	22
182	Supported acid-catalyzed flash vacuum thermolysis on the valorisation of labdanum resin. <i>Biomass and Bioenergy</i> , <b>2014</b> , 71, 363-369	5.3	3
181	Unsaturated oxazolones as nonlinear fluorophores. <i>Dyes and Pigments</i> , <b>2013</b> , 99, 642-652	4.6	15
180	Synthesis of 2,4-bifunctionalised cyclopentenones from 2-furaldehyde. <i>RSC Advances</i> , <b>2013</b> , 3, 14975	3.7	27
179	Solubility of carbon dioxide in ammonium based CO <sub>2</sub> -induced ionic liquids. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 354, 19-23	2.5	17
178	Direct transformation of 5-hydroxymethylfurfural to the building blocks 2,5-dihydroxymethylfurfural (DHMF) and 5-hydroxymethyl furanoic acid (HMFA) via Cannizzaro reaction. <i>Green Chemistry</i> , <b>2013</b> , 15, 2849	10	100
177	Excited-state proton transfer of fluorescein anion as an ionic liquid component. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 14108-14	3.4	10
176	Batch and Flow Synthesis of 5-Hydroxymethylfurfural (HMF) from Fructose as a Bioplatfrom Intermediate: An Experiment for the Organic or Analytical Laboratory. <i>Journal of Chemical Education</i> , <b>2013</b> , 90, 1373-1375	2.4	33
175	Protein stabilization with a dipeptide-mimic triazine-scaffolded synthetic affinity ligand. <i>Journal of Molecular Recognition</i> , <b>2013</b> , 26, 104-12	2.6	7
174	Short synthesis of the natural product 3 $\beta$ -hydroxy-labd-8(17)-en-15-oic acid via microbial transformation of labdanolic acid. <i>Phytochemistry Letters</i> , <b>2013</b> , 6, 165-169	1.9	7
173	Solubility and phase behavior of binary systems containing salts based on transitional metals. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 63, 123-127	2.9	4
172	N-Heterocyclic Carbene Dirhodium(II) Complexes as Catalysts for Allylic and Benzylic Oxidations. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 1471-1478	3.2	18
171	Thermophysical and magnetic studies of two paramagnetic liquid salts: [C <sub>4</sub> mim][FeCl <sub>4</sub> ] and [P <sub>6</sub> 6 14][FeCl <sub>4</sub> ]. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 350, 43-50	2.5	30
170	Toxicological evaluation of magnetic ionic liquids in human cell lines. <i>Chemosphere</i> , <b>2013</b> , 92, 100-5	8.4	42
169	Integrated chemo-enzymatic production of 5-hydroxymethylfurfural from glucose. <i>ChemSusChem</i> , <b>2013</b> , 6, 997-1000	8.3	42



168	Magnetic ionic plastic crystal: choline[FeCl <sub>4</sub> ]. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 12724-33	3.6	22
167	Metal-Catalyzed Oxidation of C $\equiv$ X (X = S, O) in Ionic Liquids. <i>Topics in Organometallic Chemistry</i> , <b>2013</b> , 163-184	0.6	1
166	The influence of nanoparticle architecture on latex film formation and healing properties. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 368, 21-33	9.3	9
165	Electrospinning of Ion Jelly fibers. <i>Materials Letters</i> , <b>2012</b> , 83, 161-164	3.3	14
164	Making expensive dirhodium(II) catalysts cheaper: Rh(II) recycling methods. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 3357-78	3.9	34
163	Understanding the ion jelly conductivity mechanism. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 2664-76	3.4	21
162	Viscosity Measurements of the Ionic Liquid Trihexyl(tetradecyl)phosphonium Dicyanamide [P6,6,6,14][dca] Using the Vibrating Wire Technique. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2012</b> , 57, 1015-1025	2.8	38
161	Amberlyst $\text{MB}^3$ -15: a reusable heterogeneous catalyst for the dehydration of tertiary alcohols. <i>Tetrahedron</i> , <b>2012</b> , 68, 7414-7421	2.4	22
160	Toxicity assessment of various ionic liquid families towards <i>Vibrio fischeri</i> marine bacteria. <i>Ecotoxicology and Environmental Safety</i> , <b>2012</b> , 76, 162-8	7	23 <sup>1</sup>
159	Intramolecular C $\equiv$ N insertion catalyzed by dirhodium(II) complexes using CO <sub>2</sub> as the reaction media. <i>Green Chemistry Letters and Reviews</i> , <b>2012</b> , 5, 211-240	4.7	13
158	Asymmetric Intramolecular C $\equiv$ H Insertion of $\alpha$ -Diazoacetamides in Water by Dirhodium(II) Catalysts Derived from Natural Amino Acids. <i>Advanced Synthesis and Catalysis</i> , <b>2012</b> , 354, 2921-2927	5.6	24
157	Two-photon absorption properties of push-pull oxazolones derivatives. <i>Dyes and Pigments</i> , <b>2012</b> , 95, 713-722	4.6	40
156	Separation performance of CO <sub>2</sub> through Supported Magnetic Ionic Liquid Membranes (SMILMs). <i>Separation and Purification Technology</i> , <b>2012</b> , 97, 26-33	8.3	83
155	Supported ionic liquid membranes for removal of dioxins from high-temperature vapor streams. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 462-8	10.3	19
154	Fine Tuning of Dirhodium(II) Complexes: Exploring the Axial Modification. <i>ACS Catalysis</i> , <b>2012</b> , 2, 370-383	3.1	81
153	An integrated approach for the production and isolation of 5-hydroxymethylfurfural from carbohydrates. <i>ChemSusChem</i> , <b>2012</b> , 5, 1388-91	8.3	71
152	Oxidation of Cyclohexene to trans-1,2-Cyclohexanediol Promoted by p-Toluenesulfonic Acid without Organic Solvents. <i>Journal of Chemical Education</i> , <b>2011</b> , 88, 1002-1003	2.4	8
151	Recyclable Stereoselective Catalysts <b>2011</b> , 1-82		



150	Chiral Guanidinium Ionic Liquids for Asymmetric Dihydroxylation of Olefins with Recycling of the Catalytic System by Supercritical CO <sub>2</sub> . <i>ACS Catalysis</i> , <b>2011</b> , 1, 1408-1413	13.1	22
149	Isolation, chemical, and biotransformation routes of labdane-type diterpenes. <i>Chemical Reviews</i> , <b>2011</b> , 111, 4418-52	68.1	85
148	Novel Malachite Green- and Rhodamine B-labeled cationic chain transfer agents for RAFT polymerization. <i>Polymer</i> , <b>2011</b> , 52, 5933-5946	3.9	7
147	5-Hydroxymethylfurfural (HMF) as a building block platform: Biological properties, synthesis and synthetic applications. <i>Green Chemistry</i> , <b>2011</b> , 13, 754	10	1186
146	Brønsted Acid-Catalyzed Dihydroxylation of Olefins in Aqueous Medium. <i>Advanced Synthesis and Catalysis</i> , <b>2011</b> , 353, 2920-2926	5.6	21
145	Efficient Tandem Morita-Baylis-Hillman/Double Cross-Aldol Reaction between Cyclic Enones and Formaldehyde Promoted by N-Methylpyrrolidine. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 2372-2379	3.2	1
144	Effect of gelatin on ionic liquid functional polymers on glucose oxidase and horseradish peroxidase kinetics. <i>Reactive and Functional Polymers</i> , <b>2011</b> , 71, 489-495	4.6	25
143	Asymmetric synthesis of trans-4,5-dioxygenated cyclopentenone derivatives by organocatalyzed rearrangement of pyranones and enzymatic dynamic kinetic resolution. <i>Tetrahedron</i> , <b>2011</b> , 67, 2779-2787	7.4	23
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