

Carlos A M Afonso

List of Publications by Year in descending order

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26630

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338

docs citations

338

times ranked

14940

citing authors

#	ARTICLE	IF	CITATIONS
1	5-Hydroxymethylfurfural (HMF) as a building block platform: Biological properties, synthesis and synthetic applications. <i>Green Chemistry</i> , 2011, 13, 754.	9.0	1,391
2	Synthesis and applications of Rhodamine derivatives as fluorescent probes. <i>Chemical Society Reviews</i> , 2009, 38, 2410.	38.1	1,268
3	Preparation and Characterization of New Room Temperature Ionic Liquids. <i>Chemistry - A European Journal</i> , 2002, 8, 3671.	3.3	512
4	Recyclable Stereoselective Catalysts. <i>Chemical Reviews</i> , 2009, 109, 418-514.	47.7	420
5	Deep desulfurization of diesel fuel using ionic liquids: current status and future challenges. <i>Green Chemistry</i> , 2010, 12, 1139.	9.0	406
6	Dioxins sources and current remediation technologies – A review. <i>Environment International</i> , 2008, 34, 139-153.	10.0	380
7	More Sustainable Approaches for the Synthesis of N-Based Heterocycles. <i>Chemical Reviews</i> , 2009, 109, 2703-2802.	47.7	339
8	Toxicity assessment of various ionic liquid families towards <i>Vibrio fischeri</i> marine bacteria. <i>Ecotoxicology and Environmental Safety</i> , 2012, 76, 162-168.	6.0	254
9	Impact of ionic liquids in environment and humans: An overview. <i>Human and Experimental Toxicology</i> , 2010, 29, 1038-1054.	2.2	235
10	Pyridinium salts: from synthesis to reactivity and applications. <i>Organic Chemistry Frontiers</i> , 2018, 5, 453-493.	4.5	230
11	Supported liquid membranes using ionic liquids: study of stability and transport mechanisms. <i>Journal of Membrane Science</i> , 2004, 242, 197-209.	8.2	229
12	Highly Selective Transport of Organic Compounds by Using Supported Liquid Membranes Based on Ionic Liquids. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2771-2773.	13.8	214
13	Comparison of Physicochemical Properties of New Ionic Liquids Based on Imidazolium, Quaternary Ammonium, and Guanidinium Cations. <i>Chemistry - A European Journal</i> , 2007, 13, 8478-8488.	3.3	207
14	Synthesis of Chiral Cyclopentenones. <i>Chemical Reviews</i> , 2016, 116, 5744-5893.	47.7	194
15	Studies on the density, heat capacity, surface tension and infinite dilution diffusion with the ionic liquids [C4mim][NTf2], [C4mim][dca], [C2mim][EtOSO3] and [Aliquat][dca]. <i>Fluid Phase Equilibria</i> , 2010, 294, 157-179.	2.5	171
16	Studies on the Selective Transport of Organic Compounds by Using Ionic Liquids as Novel Supported Liquid Membranes. <i>Chemistry - A European Journal</i> , 2002, 8, 3865-3871.	3.3	161
17	Recent Advances in Chiral Resolution through Membrane-Based Approaches. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5293-5295.	13.8	151
18	Effect of ionic liquids on human colon carcinoma HT-29 and CaCo-2 cell lines. <i>Green Chemistry</i> , 2007, 9, 873.	9.0	142

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19	Synthesis and properties of tetra-alkyl-dimethylguanidinium salts as a potential new generation of ionic liquids. <i>Green Chemistry</i> , 2003, 5, 347-352.	9.0	140
20	Ionic liquids as a recyclable reaction medium for the Baylis-Hillman reaction. <i>Tetrahedron</i> , 2001, 57, 4189-4193.	1.9	132
21	Facilitated transport of CO ₂ and SO ₂ through Supported Ionic Liquid Membranes (SILMs). <i>Desalination</i> , 2009, 245, 485-493.	8.2	124
22	Toxicological evaluation on human colon carcinoma cell line (CaCo-2) of ionic liquids based on imidazolium, guanidinium, ammonium, phosphonium, pyridinium and pyrrolidinium cations. <i>Green Chemistry</i> , 2009, 11, 1660.	9.0	124
23	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> , 2013, 15, 2849.	9.0	122
24	Tuning the Reactivity of Dirhodium(II) Complexes with Axial N-Heterocyclic Carbene Ligands: The Arylation of Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5750-5753.	13.8	113
25	Synthesis of Cyclopentitols by Ring-Closing Approaches. <i>Chemical Reviews</i> , 2009, 109, 6809-6857.	47.7	109
26	Selective recovery of solutes from ionic liquids by pervaporation—a novel approach for purification and green processing. <i>Chemical Communications</i> , 2001, , 1622-1623.	4.1	102
27	Fine Tuning of Dirhodium(II) Complexes: Exploring the Axial Modification. <i>ACS Catalysis</i> , 2012, 2, 370-383.	11.2	101
28	Separation performance of CO ₂ through Supported Magnetic Ionic Liquid Membranes (SMILMs). <i>Separation and Purification Technology</i> , 2012, 97, 26-33.	7.9	98
29	Axial Coordination of NHC Ligands on Dirhodium(II) Complexes: Generation of a New Family of Catalysts. <i>Journal of Organic Chemistry</i> , 2008, 73, 4076-4086.	3.2	94
30	Isolation, Chemical, and Biotransformation Routes of Labdane-type Diterpenes. <i>Chemical Reviews</i> , 2011, 111, 4418-4452.	47.7	94
31	A comparative study of biocatalysis in non-conventional solvents: Ionic liquids, supercritical fluids and organic media. <i>Green Chemistry</i> , 2004, 6, 466-470.	9.0	93
32	Liquid membranes using ionic liquids: the influence of water on solute transport. <i>Journal of Membrane Science</i> , 2005, 249, 153-162.	8.2	90
33	Interfacial Properties, Densities, and Contact Angles of Task Specific Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 609-615.	1.9	89
34	Synthesis and characterization of Magnetic Ionic Liquids (^{MILs}) for ^{CO₂} separation. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 866-871.	3.2	89
35	Rh(II)-Catalyzed Intramolecular C-H Insertion of Diazo Substrates in Water: Scope and Limitations. <i>Journal of Organic Chemistry</i> , 2006, 71, 5489-5497.	3.2	88
36	Stability of supported ionic liquid membranes as studied by X-ray photoelectron spectroscopy. <i>Journal of Membrane Science</i> , 2005, 256, 216-216.	8.2	86

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37	Ion jelly: a tailor-made conducting material for smart electrochemical devices. Chemical Communications, 2008, , 5842.	4.1	83
38	Studies on dissolution of carbohydrates in ionic liquids and extraction from aqueous phase. Green Chemistry, 2009, 11, 1406.	9.0	83
39	An Integrated Approach for the Production and Isolation of 5-Hydroxymethylfurfural from Carbohydrates. ChemSusChem, 2012, 5, 1388-1391.	6.8	83
40	Sustainable design for environment-friendly mono and dicationic cholinium-based ionic liquids. Ecotoxicology and Environmental Safety, 2014, 108, 302-310.	6.0	83
41	Ionic Liquids as a Convenient New Medium for the Catalytic Asymmetric Dihydroxylation of Olefins Using a Recoverable and Reusable Osmium/Ligand. Journal of Organic Chemistry, 2004, 69, 4381-4389.	3.2	79
42	Rational design of nanoparticles towards targeting antigen-presenting cells and improved T cell priming. Journal of Controlled Release, 2017, 258, 182-195.	9.9	79
43	Simple transformation of crystalline chiral natural anions to liquid medium and their use to induce chirality. Chemical Communications, 2006, , 2371-2372.	4.1	78
44	Ionic liquid as an efficient promoting medium for two-phase nucleophilic displacement reactions. Tetrahedron, 2003, 59, 789-794.	1.9	77
45	Modelling of the enantio-selective extraction of propranolol in a biphasic system. Separation and Purification Technology, 2007, 53, 224-234.	7.9	77
46	Synthesis of 2,4,6-Tri-substituted-1,3,5-Triazines. Molecules, 2006, 11, 81-102.	3.8	76
47	Electrical impedance spectroscopy characterisation of supported ionic liquid membranes. Journal of Membrane Science, 2006, 270, 42-49.	8.2	76
48	Developments in the Photochemistry of Diazo Compounds. Current Organic Chemistry, 2009, 13, 763-787.	1.6	73
49	Catalytic olefin epoxidation with cyclopentadienyl-molybdenum complexes in room temperature ionic liquids. Tetrahedron Letters, 2005, 46, 47-52.	1.4	71
50	Enhanced esterification conversion in a room temperature ionic liquid by integrated water removal with pervaporation. Separation and Purification Technology, 2005, 41, 141-145.	7.9	71
51	Water: A Suitable Medium for the Pictet-Spengler Mannich Reaction. European Journal of Organic Chemistry, 2009, 2009, 1859-1863.	2.4	65
52	Regio- and Stereoselective Rhodium(II)-Catalysed Intramolecular C-H Insertion Reactions of \pm -Diazo- \pm -(dialkoxyphosphoryl)acetamides and -acetates. European Journal of Organic Chemistry, 2003, 2003, 3798-3810.	2.4	63
53	Epoxidation of cyclooctene catalyzed by dioxomolybdenum(VI) complexes in ionic liquids. Journal of Molecular Catalysis A, 2004, 218, 5-11.	4.8	61
54	Synthesis and Applications of Stenhouse Salts and Derivatives. Chemistry - A European Journal, 2018, 24, 9170-9186.	3.3	61

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55	Ionic liquids as recyclable reaction media for the tetrahydropyranylation of alcohols. <i>Tetrahedron</i> , 2001, 57, 4405-4410.	1.9	59
56	Thermal and Photochemical Properties of 4,7-Dihydroxyflavylium in Water/Ionic Liquid Biphasic Systems: A Write/Read/Erase Molecular Switch. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1525-1527.	13.8	59
57	Osmium catalyzed asymmetric dihydroxylation of methyl trans-cinnamate in ionic liquids, followed by supercritical CO ₂ product recovery. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 3600-3608.	1.8	56
58	Catalytic asymmetric dihydroxylation of olefins using a recoverable and reusable OsO ₄ in ionic liquid [bmim][PF ₆]. <i>Chemical Communications</i> , 2002, , 3036-3037.	4.1	55
59	One-Pot Enzymatic Resolution and Separation of <i>sec</i> -Alcohols Based on Ionic Acylating Agents. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8178-8181.	13.8	53
60	Coil-Globule Transition of Poly(Dimethylacrylamide): A Fluorescence and Light Scattering Study. <i>Macromolecules</i> , 2003, 36, 8119-8129.	4.8	51
61	Rh(II) catalysed intramolecular C-H insertion of diazo substrates in water: a simple and efficient approach to catalyst reuse. <i>Chemical Communications</i> , 2005, , 391-393.	4.1	50
62	Toxicological evaluation of magnetic ionic liquids in human cell lines. <i>Chemosphere</i> , 2013, 92, 100-105.	8.2	50
63	Two-photon absorption properties of push-pull oxazolones derivatives. <i>Dyes and Pigments</i> , 2012, 95, 713-722.	3.7	49
64	Going Beyond the Limits of the Biorenewable Platform: Sodium Dithionite-Promoted Stabilization of 5-Hydroxymethylfurfural. <i>ChemSusChem</i> , 2018, 11, 1612-1616.	6.8	48
65	Efficient catalyst reuse by simple dissolution in non-conventional media. <i>Chemical Communications</i> , 2007, , 2669-2679.	4.1	46
66	Integrated Chemo-Enzymatic Production of 5-Hydroxymethylfurfural from Glucose. <i>ChemSusChem</i> , 2013, 6, 997-1000.	6.8	46
67	Synthesis and properties of new functionalized guanidinium based ionic liquids as non-toxic versatile organic materials. <i>Tetrahedron</i> , 2010, 66, 8785-8794.	1.9	45
68	Click and go: simple and fast folic acid conjugation. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3181-3190.	2.8	45
69	Dirhodium(II)-catalysed C-H insertion on α -diazo- β -phosphono-acetamides in an ionic liquid. <i>Tetrahedron Letters</i> , 2003, 44, 6571-6573.	1.4	43
70	Making expensive dirhodium(II) catalysts cheaper: Rh(II) recycling methods. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 3357.	2.8	43
71	Basicity and stability of urea deep eutectic mixtures. <i>RSC Advances</i> , 2016, 6, 5485-5490.	3.6	43
72	Enzymatic resolution of Indinavir precursor in ionic liquids with reuse of biocatalyst and media by product sublimation. <i>Green Chemistry</i> , 2007, 9, 734-736.	9.0	42

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73	Clean osmium-catalyzed asymmetric dihydroxylation of olefins in ionic liquids and supercritical CO ₂ product recovery. <i>Chemical Communications</i> , 2005, , 107.	4.1	41
74	Thermophysical and magnetic studies of two paramagnetic liquid salts: [C ₄ mim][FeCl ₄] and [P ₆₆₆₁₄][FeCl ₄]. <i>Fluid Phase Equilibria</i> , 2013, 350, 43-50.	2.5	41
75	Enantioselective addition of alkynes to imines in ionic liquids. <i>Journal of Molecular Catalysis A</i> , 2004, 214, 161-165.	4.8	40
76	Exploration of quantitative structure–property relationships (QSPR) for the design of new guanidinium ionic liquids. <i>Tetrahedron</i> , 2008, 64, 2216-2224.	1.9	40
77	Lipase catalysed mono and di-acylation of secondary alcohols with succinic anhydride in organic media and ionic liquids. <i>Green Chemistry</i> , 2008, 10, 243-248.	9.0	39
78	Viscosity Measurements of the Ionic Liquid Trihexyl(tetradecyl)phosphonium Dicyanamide [P _{6,6,6,14}][dca] Using the Vibrating Wire Technique. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 1015-1025.	1.9	39
79	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> , 2013, 90, 1373-1375.	2.3	39
80	Ecotoxicological evaluation of magnetic ionic liquids. <i>Ecotoxicology and Environmental Safety</i> , 2017, 143, 315-321.	6.0	39
81	Synthesis of α -amino esters by dynamic kinetic resolution of α -haloacyl imidazolidinones. <i>Tetrahedron</i> , 2001, 57, 6589-6605.	1.9	38
82	Synthesis of substituted pyrrolidines and piperidines from endocyclic enamine derivatives. Synthesis of (\pm)-laburnamine. <i>Tetrahedron</i> , 2005, 61, 1221-1244.	1.9	38
83	Diazo- and Transition-Metal-Free C–H Insertion: A Direct Synthesis of β -Lactams. <i>Chemistry - A European Journal</i> , 2015, 21, 1449-1453.	3.3	38
84	Plasma membrane permeabilisation by ionic liquids: a matter of charge. <i>Green Chemistry</i> , 2015, 17, 4587-4598.	9.0	37
85	Choline-Based Ionic Liquids: Improvement of Antimicrobial Activity. <i>ChemistrySelect</i> , 2016, 1, 5909-5916.	1.5	36
86	Transformation of azido-group to n-(t-butoxycarbonyl)amino group under mild conditions via staudinger reaction. <i>Tetrahedron Letters</i> , 1995, 36, 8857-8858.	1.4	34
87	Immobilisation of pig liver esterase in hollow fibre membranes. <i>Enzyme and Microbial Technology</i> , 2001, 29, 625-634.	3.2	34
88	Synthesis of Symmetric Bis(<i>N</i> -alkylaniline)triarylmethanes via Friedel–Crafts-Catalyzed Reaction between Secondary Anilines and Aldehydes. <i>Journal of Organic Chemistry</i> , 2015, 80, 10404-10411.	3.2	34
89	New Chiral Auxiliaries for Dynamic Kinetic Resolution: From Theory to Experiment. <i>Chemistry - A European Journal</i> , 2005, 11, 330-343.	3.3	33
90	Co-solvent effects in LLE of 1-hydroxyethyl-3-methylimidazolium based ionic liquids+2-propanol+dichloromethane or 1,2-dichloroethane. <i>Fluid Phase Equilibria</i> , 2007, 254, 35-41.	2.5	33

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91	Organocatalyzed One-Step Synthesis of Functionalized <i>N</i> -Alkyl-Pyridinium Salts from Biomass Derived 5-Hydroxymethylfurfural. <i>Organic Letters</i> , 2015, 17, 5244-5247.	4.6	33
92	A Comparative Study on Absorption and Selectivity of Organic Vapors by Using Ionic Liquids Based on Imidazolium, Quaternary Ammonium, and Guanidinium Cations. <i>Chemistry - A European Journal</i> , 2007, 13, 8470-8477.	3.3	32
93	Evaluating the toxicity of biomass derived platform chemicals. <i>Green Chemistry</i> , 2016, 18, 4733-4742.	9.0	32
94	Copper(II) Triflate As a Reusable Catalyst for the Synthesis of <i>trans</i> -4,5-Diamino-cyclopent-2-enones in Water. <i>Journal of Organic Chemistry</i> , 2018, 83, 7509-7513.	3.2	32
95	Synthesis of 2,3-Dihydro-1,4-dithiins and 2-Alkylidene-1,4-dithianes by 1,2-Sulfur Migration in 2-(1-Hydroxyalkyl)-1,3-dithiolanes. <i>Synthesis</i> , 1991, 1991, 575-580.	2.3	31
96	Effect of immobilization support, water activity, and enzyme ionization state on cutinase activity and enantioselectivity in organic media. <i>Biotechnology and Bioengineering</i> , 2004, 85, 442-449.	3.3	31
97	Capture of Dioxins by Ionic Liquids. <i>Environmental Science & Technology</i> , 2008, 42, 2570-2574.	10.0	31
98	Melting behaviour of ionic salts in the presence of high pressure CO ₂ . <i>Fluid Phase Equilibria</i> , 2010, 294, 121-130.	2.5	31
99	Amberlyst®-15: a reusable heterogeneous catalyst for the dehydration of tertiary alcohols. <i>Tetrahedron</i> , 2012, 68, 7414-7421.	1.9	31
100	Synthesis of 2,4-bifunctionalised cyclopentenones from 2-furaldehyde. <i>RSC Advances</i> , 2013, 3, 14975.	3.6	31
101	Selective arylation of aldehydes with di-rhodium(II)/NHC catalysts. <i>Tetrahedron</i> , 2010, 66, 8494-8502.	1.9	30
102	Preparation and Characterization of Facilitated Transport Membranes Composed of Chitosan-Styrene and Chitosan-Acrylonitrile Copolymers Modified by Methylimidazolium Based Ionic Liquids for CO ₂ Separation from CH ₄ and N ₂ . <i>Membranes</i> , 2016, 6, 31.	3.0	30
103	C ¹ H Carbene Insertion of \pm -Diazo Acetamides by Photolysis in Non-Conventional Media. <i>Journal of Organic Chemistry</i> , 2008, 73, 5926-5932.	3.2	29
104	Effect of gelatin-ionic liquid functional polymers on glucose oxidase and horseradish peroxidase kinetics. <i>Reactive and Functional Polymers</i> , 2011, 71, 489-495.	4.1	29
105	Bifunctional Cr ³⁺ modified ion exchange resins as efficient reusable catalysts for the production and isolation of 5-hydroxymethylfurfural from glucose. <i>RSC Advances</i> , 2017, 7, 7555-7559.	3.6	29
106	A direct intramolecular asymmetric catalytic aldol cyclodehydration of meso-3,4-disubstituted-1,6-dialdehydes. <i>Tetrahedron</i> , 2005, 61, 267-273.	1.9	28
107	Intramolecular C-H insertion using NHC-di-rhodium(II) complexes: the influence of axial coordination. <i>Tetrahedron Letters</i> , 2008, 49, 7372-7375.	1.4	28
108	Pot-Economy Autooxidative Condensation of 2-Aryl-2-lithio-1,3-dithianes. <i>Journal of Organic Chemistry</i> , 2018, 83, 1948-1958.	3.2	28

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109	An improved method for the generation of organozinc carbenoids and its application in dicarbonyl coupling reactions. <i>Tetrahedron Letters</i> , 1992, 33, 3899-3902.	1.4	26
110	Shear-induced lamellar phase of an ionic liquid crystal at room temperature. <i>Liquid Crystals</i> , 2008, 35, 103-107.	2.2	26
111	Brønsted Acid-Catalyzed Dihydroxylation of Olefins in Aqueous Medium. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2920-2926.	4.3	26
112	Asymmetric Intramolecular C-H Insertion of α -Diazoacetamides in Water by Dirhodium(II) Catalysts Derived from Natural Amino Acids. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2921-2927.	4.3	26
113	The olive-tree leaves as a source of high-added value molecules: Oleuropein. <i>Studies in Natural Products Chemistry</i> , 2020, 64, 131-180.	1.8	26
114	Selective extraction of natural products with benign solvents and recovery by organophilic pervaporation: fractionation of d-limonene from orange peels. <i>Green Chemistry</i> , 2010, 12, 1990.	9.0	25
115	Chiral Guanidinium Ionic Liquids for Asymmetric Dihydroxylation of Olefins with Recycling of the Catalytic System by Supercritical CO ₂ . <i>ACS Catalysis</i> , 2011, 1, 1408-1413.	11.2	25
116	Asymmetric synthesis of trans-4,5-dioxygenated cyclopentenone derivatives by organocatalyzed rearrangement of pyranones and enzymatic dynamic kinetic resolution. <i>Tetrahedron</i> , 2011, 67, 2779-2787.	1.9	25
117	Understanding the Ion Jelly Conductivity Mechanism. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2664-2676.	2.6	25
118	Unsaturated oxazolones as nonlinear fluorophores. <i>Dyes and Pigments</i> , 2013, 99, 642-652.	3.7	25
119	Synthesis of trans-4,5-diaminocyclopent-2-enones from furfural catalyzed by Er(III) immobilized on silica. <i>Tetrahedron Letters</i> , 2017, 58, 302-304.	1.4	25
120	Rationalising diastereoselection in the dynamic kinetic resolution of α -haloacyl imidazolidinones. <i>Tetrahedron Letters</i> , 1998, 39, 2203-2206.	1.4	24
121	Synthesis of 3-aminopyrrolidines and piperidines from endocyclic enamine derivatives. <i>Tetrahedron Letters</i> , 2001, 42, 7007-7010.	1.4	24
122	Preparation of enantioselective enriched α -(dialkoxyphosphoryl)lactams via intramolecular CH insertion with chiral dirhodium(II) catalysts. <i>Journal of Molecular Catalysis A</i> , 2005, 227, 17-24.	4.8	24
123	Ionic liquids as an efficient bulk membrane for the selective transport of organic compounds. <i>Journal of Physical Organic Chemistry</i> , 2008, 21, 718-723.	1.9	24
124	Asymmetric alkene epoxidation by Mn(III)salen catalyst in ionic liquids. <i>Inorganica Chimica Acta</i> , 2010, 363, 3321-3329.	2.4	24
125	Supported Ionic Liquid Membranes for Removal of Dioxins from High-Temperature Vapor Streams. <i>Environmental Science & Technology</i> , 2012, 46, 462-468.	10.0	23
126	Magnetic ionic plastic crystal: choline[FeCl ₄]. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12724.	2.8	23

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127	Creating Diversity from Biomass: A Tandem Bio/Metal-Catalysis towards Chemoselective Synthesis of Densely Substituted Furans. <i>ChemSusChem</i> , 2019, 12, 4629-4635.	6.8	23
128	Trienamides derived from 5-substituted furfurals: remote μ -functionalization of 2,4-dienals. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9324-9328.	2.8	22
129	New dirhodium complex with activity towards colorectal cancer. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 3413-3415.	2.2	21
130	Ruthenium-Catalyzed C-H Arylation and Alkenylation of Furfural Imines with Boronates. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6101-6106.	2.4	21
131	Rationalising diastereoselection in the dynamic kinetic resolution of α -haloacyl imidazolidinones: a theoretical approach. <i>Tetrahedron</i> , 2001, 57, 6607-6614.	1.9	20
132	Application of nanofiltration to re-use the Sharpless asymmetric dihydroxylation catalytic system. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1637-1641.	1.8	20
133	Preyssler Heteropolyacids in the Self-Etherification of 5-Hydroxymethylfurfural to 5,5-bis(Oxybis(methylene))bisfurfural Under Mild Reaction Conditions. <i>ChemCatChem</i> , 2017, 9, 3322-3329.	3.7	20
134	Flow-Assisted Synthesis of Bicyclic Aziridines <i>via</i> Photochemical Transformation of Pyridinium Salts. <i>Organic Process Research and Development</i> , 2018, 22, 551-556.	2.7	20
135	Anticancer properties of the abietane diterpene 6,7-dehydroroyleanone obtained by optimized extraction. <i>Future Medicinal Chemistry</i> , 2018, 10, 1177-1189.	2.3	20
136	Reactivity of Diterpenoid Quinones: Royleanones.. <i>Current Pharmaceutical Design</i> , 2016, 22, 1682-1714.	1.9	20
137	Microwave accelerated facile synthesis of fused polynuclear hydrocarbons in dry media by intramolecular Friedel-Crafts alkylation. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 514-523.	2.8	19
138	Fluorescence of fullerene C70 in ionic liquids. <i>Chemical Physics Letters</i> , 2010, 497, 43-47.	2.6	19
139	N-Heterocyclic Carbene Dirhodium(II) Complexes as Catalysts for Allylic and Benzylic Oxidations. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1471-1478.	2.4	19
140	Molecular Docking Studies of Royleanone Diterpenoids from <i>Plectranthus</i> spp. as P-Glycoprotein Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 839-845.	2.8	19
141	Chitin-glucan complex - Based biopolymeric structures using biocompatible ionic liquids. <i>Carbohydrate Polymers</i> , 2020, 247, 116679.	10.2	19
142	Solvent-free synthesis of melamines under microwave irradiation. <i>Green Chemistry</i> , 2004, 6, 183.	9.0	18
143	Ionic Acylating Agents for the Enzymatic Resolution of <i>sec</i> -Alcohols in Ionic Liquids. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6938-6943.	2.4	18
144	Solubility of carbon dioxide in ammonium based CO ₂ -induced ionic liquids. <i>Fluid Phase Equilibria</i> , 2013, 354, 19-23.	2.5	18

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145	NHC catalysed direct addition of HMF to diazo compounds: synthesis of acyl hydrazones with antitumor activity. RSC Advances, 2014, 4, 29352-29356.	3.6	18
146	Direct Conversion of Activated 5-Hydroxymethylfurfural into γ -Lactone-Fused Cyclopentenones. ChemSusChem, 2019, 12, 420-425.	6.8	18
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