

Olga Bortolini

List of Publications by Year in descending order

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181
papers

4,584
citations

109321

35
h-index

155660

55
g-index

204
all docs

204
docs citations

204
times ranked

3932
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Cation/Anion "Interaction" Scales for Ionic Liquids through ESI-MS Measurements. <i>Journal of Physical Chemistry B</i> , 2007, 111, 598-604.	2.6	181
2	Research Progress in the Modification of Quercetin Leading to Anticancer Agents. <i>Molecules</i> , 2017, 22, 1270.	3.8	157
3	Determination of absolute configuration using ab initio calculation of optical rotation. <i>Chirality</i> , 2003, 15, S57-S64.	2.6	129
4	Metal catalysis in oxidation by peroxides. Sulfide oxidation and olefin epoxidation by dilute hydrogen peroxide, catalyzed by molybdenum and tungsten derivatives under phase-transfer conditions. <i>Journal of Organic Chemistry</i> , 1985, 50, 2688-2690.	3.2	98
5	Metal catalysis in oxidation by peroxides. Part 25. Molybdenum- and tungsten-catalyzed oxidations of alcohols by diluted hydrogen peroxide under phase-transfer conditions. <i>Journal of Organic Chemistry</i> , 1986, 51, 2661-2663.	3.2	96
6	Biotransformations on steroid nucleus of bile acids. <i>Steroids</i> , 1997, 62, 564-577.	1.8	91
7	Models for the active site of vanadium-dependent haloperoxidases: insight into the solution structure of peroxy vanadium compounds. <i>Journal of Inorganic Biochemistry</i> , 2000, 80, 41-49.	3.5	87
8	Metal catalysis in oxidation by peroxides. 27. Anionic molybdenum-picolinate N-oxido-peroxy complex: an effective oxidant of primary and secondary alcohols in nonpolar solvents. <i>Journal of Organic Chemistry</i> , 1987, 52, 5467-5469.	3.2	86
9	Enantioselective Ti(IV) Sulfoxidation Catalysts Bearing C ₃ -Symmetric Trialkanolamine Ligands: A Solution Speciation by ¹ H NMR and ESI-MS Analysis. <i>Journal of the American Chemical Society</i> , 1999, 121, 6258-6268.	13.7	83
10	Metal catalysis in oxidation by peroxides. 30. Electrophilic oxygen transfer from anionic, coordinatively saturated molybdenum peroxy complexes. <i>Journal of Organic Chemistry</i> , 1988, 53, 5721-5724.	3.2	80
11	Vanadium (V) peroxy complexes: Structure, chemistry and biological implications. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1549-1557.	3.5	74
12	Trihalide-based ionic liquids. Reagent-solvents for stereoselective iodination of alkenes and alkynes. <i>Green Chemistry</i> , 2002, 4, 621-627.	9.0	72
13	Proximal effect of the nitrogen ligands in the catalytic epoxidation of olefins by the sodium hypochlorite/manganese(III) porphyrin system. <i>Inorganic Chemistry</i> , 1988, 27, 161-164.	4.0	71
14	Asymmetric oxidation of 1,3-dithiolanes. A route to the optical resolution of carbonyl compounds. <i>Tetrahedron Letters</i> , 1986, 27, 6257-6260.	1.4	69
15	Silica-supported 5-(pyrrolidin-2-yl)tetrazole: development of organocatalytic processes from batch to continuous-flow conditions. <i>Green Chemistry</i> , 2012, 14, 992.	9.0	68
16	Transformation of a Cp* Ir(III) Precatalyst for Water Oxidation when Exposed to Oxidative Stress. <i>Chemistry - A European Journal</i> , 2014, 20, 3446-3456.	3.3	64
17	Enhanced selectivity by an "open-well effect"™ in a metalloporphyrin-catalysed oxygenation reaction. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1984, , 1967-1970.	0.9	62
18	Recent advances in continuous-flow organocatalysis for process intensification. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1017-1052.	3.7	62

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19	Electrospray Behavior of Lacunary Keggin-Type Polyoxotungstates [XW ₁₁ O ₃₉] _p (X = Si, P): Mass Spectrometric Evidence for a Concentration-Dependent Incorporation of an MO _n + (M = WVI, MoVI, VV) Unit into the Polyoxometalate Vacancy. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 699-704.	2.0	58
20	Oxidations with peroxotungsten complexes: rates and mechanism of stoichiometric olefin epoxidations. <i>Journal of Molecular Catalysis</i> , 1986, 37, 165-175.	1.2	53
21	An Easy Approach to the Synthesis of Optically Active vic-Diols: A New Single-Enzyme System. <i>Journal of Organic Chemistry</i> , 1997, 62, 1854-1856.	3.2	52
22	Metal catalysis in oxidation by peroxides part 8 [1] further insight on the mechanism of vanadium(V) catalyzed oxidation of sulphides and alkenes by hydrogen peroxide. <i>Journal of Molecular Catalysis</i> , 1980, 7, 59-74.	1.2	50
23	Aerobic oxidation of 5-hydroxymethylfurfural to 5-hydroxymethyl-2-furancarboxylic acid and its derivatives by heterogeneous NHC-catalysis. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8955-8964.	2.8	50
24	Immobilization of Privileged Triazolium Carbene Catalyst for Batch and Flow Stereoselective Umpolung Processes. <i>ACS Catalysis</i> , 2017, 7, 6365-6375.	11.2	48
25	Metal catalysis in oxidation by peroxides. 28. Kinetics and mechanism of the molybdenum-catalyzed oxidation of sulfoxides to sulfones with hydrogen peroxide. <i>Journal of Organic Chemistry</i> , 1987, 52, 5093-5095.	3.2	45
26	Intramolecular energy transfer in ruthenium(II)-chromium(III) chromophore-luminophore complexes. Ru(bpy) ₂ [Cr(cyclam)(CN) ₂] ²⁺ . <i>Inorganic Chemistry</i> , 1992, 31, 172-177.	4.0	42
27	Metal catalysis in oxidation by peroxides. Part 33. Chemoselective alcohol oxidations by the anionic molybdenum-picolinate N-oxido peroxy complex MoO ₅ PICO. <i>Journal of Organic Chemistry</i> , 1990, 55, 3658-3660.	3.2	40
28	Improved Enantioselectivity in the Epoxidation of Cinnamic Acid Derivatives with Dioxiranes from Keto Bile Acids. <i>Journal of Organic Chemistry</i> , 2002, 67, 5802-5806.	3.2	40
29	Bile acid derivatives as enantiodifferentiating host molecules in inclusion processes. <i>Chirality</i> , 2005, 17, 121-130.	2.6	40
30	Dissolution of Metal Salts in Bis(trifluoromethylsulfonyl)imide-Based Ionic Liquids: Studying the Affinity of Metal Cations Toward a Weakly Coordinating Anion. <i>Journal of Physical Chemistry A</i> , 2015, 119, 5078-5087.	2.5	40
31	Enantioselective Dearomatization of Alkylpyridiniums by N-Heterocyclic Carbene-Catalyzed Nucleophilic Acylation. <i>Journal of Organic Chemistry</i> , 2018, 83, 2050-2057.	3.2	40
32	An insight into the mechanism of the aerobic oxidation of aldehydes catalyzed by N-heterocyclic carbenes. <i>Chemical Communications</i> , 2014, 50, 2008-2011.	4.1	39
33	Epoxidation of electrophilic alkenes in ionic liquids. <i>Green Chemistry</i> , 2002, 4, 94-96.	9.0	38
34	Formation, Oxidation, and Fate of the Breslow Intermediate in the N-Heterocyclic Carbene-Catalyzed Aerobic Oxidation of Aldehydes. <i>Journal of Organic Chemistry</i> , 2017, 82, 302-312.	3.2	38
35	Vanadium-Bromoperoxidase-Mimicking Systems: Direct Evidence of a Hypobromite-Like Vanadium Intermediate. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 42-46.	2.0	37
36	Isolation of a high-valent oxo-like manganese porphyrin complex obtained from NaOCl oxidation. <i>Journal of the Chemical Society Chemical Communications</i> , 1983, .	2.0	36

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37	Asymmetric epoxidation of cinnamic acid derivatives using dioxiranes generated in situ from dehydrocholic acid. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1113-1115.	1.8	36
38	A sustainable procedure for highly enantioselective organocatalyzed Diels-Alder cycloadditions in homogeneous ionic liquid/water phase. <i>Tetrahedron Letters</i> , 2011, 52, 1415-1417.	1.4	35
39	Kinetic Resolution, Dynamic Kinetic Resolution and Asymmetric Desymmetrization by N-Heterocyclic Carbene Catalysis. <i>Synthesis</i> , 2019, 51, 1871-1891.	2.3	35
40	Solvent-free, microwave assisted 1,3-cycloaddition of nitrones with vinyl nucleobases for the synthesis of N,O-nucleosides. <i>Tetrahedron</i> , 2008, 64, 8078-8081.	1.9	34
41	1,2-Diketones as acyl anion equivalents: a non-enzymatic thiamine-promoted route to aldehyde-ketone coupling in PEG400 as recyclable medium. <i>Tetrahedron</i> , 2011, 67, 8110-8115.	1.9	34
42	Catalytic hydroxylation of saturated hydrocarbons with the sodium hypohalite/manganese porphyrin system. <i>Journal of Molecular Catalysis</i> , 1985, 31, 221-224.	1.2	33
43	Use of electrospray ionization mass spectrometry to characterize chiral reactive intermediates in a titanium alkoxide mediated sulfoxidation reaction. <i>Chemical Communications</i> , 1997, , 869-870.	4.1	33
44	Thiazolium-functionalized polystyrene monolithic microreactors for continuous-flow umpolung catalysis. <i>Green Chemistry</i> , 2013, 15, 2981.	9.0	33
45	Metal catalysis in oxidation by peroxides. Part II. Kinetics and mechanism of molybdenum-catalyzed oxidation of sulphides and alkenes with hydrogen peroxide. <i>Journal of Molecular Catalysis</i> , 1981, 11, 107-118.	1.2	32
46	Homogeneous catalysis as a tool for organic synthesis. <i>Pure and Applied Chemistry</i> , 1998, 70, 1041-1046.	1.9	32
47	Histidine-Containing Bisperoxovanadium(V) Compounds: Insight Into the Solution Structure by an ESI-MS and 51V-NMR Comparative Study. <i>European Journal of Inorganic Chemistry</i> , 1999, 1999, 1489-1495.	2.0	32
48	Determination of absolute configuration using vibrational circular dichroism spectroscopy: phenyl glycidic acid derivatives obtained via asymmetric epoxidation using oxone and a keto bile acid. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 2653-2663.	1.8	32
49	Efficient synthesis of isoxazolidine-substituted bisphosphonates by 1,3-dipolar cycloaddition reactions. <i>Tetrahedron</i> , 2011, 67, 5635-5641.	1.9	32
50	Synthesis and biological evaluation of diastereoisomerically pure N,O-nucleosides. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 6970-6976.	3.0	31
51	A Combined Kinetic and Thermodynamic Approach for the Interpretation of Continuous-Flow Heterogeneous Catalytic Processes. <i>Chemistry - A European Journal</i> , 2013, 19, 7802-7808.	3.3	31
52	The corrole and ferrocene marriage: 5,10,15-triferrocenylcorrolato Cu. <i>Chemical Communications</i> , 2014, 50, 4076-4078.	4.1	31
53	Kinetic resolution of vic -diols by <i>Bacillus stearothermophilus</i> diacetyl reductase. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 647-651.	1.8	29
54	Enantioselective inclusion in bile acids: resolution of cyclic ketones. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1479-1483.	1.8	29

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55	Erbium triflate in ionic liquids: A recyclable system of improving selectivity in Diels-Alder reactions. <i>Applied Catalysis A: General</i> , 2010, 372, 124-129.	4.3	29
56	Thiamine-Diphosphate-Dependent Enzymes as Catalytic Tools for the Asymmetric Benzoin-Type Reaction. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4441-4459.	2.4	29
57	Direct Evidence of Solvent-Peroxovanadium Clusters by Electrospray Ionization Mass Spectrometry. <i>European Journal of Inorganic Chemistry</i> , 1998, 1998, 1193-1197.	2.0	28
58	Optical resolution of sulfoxides by inclusion in host dehydrocholic acid. <i>Chemical Communications</i> , 2000, , 365-366.	4.1	28
59	Sustainable Epoxidation of Electron-Poor Olefins with Hydrogen Peroxide in Ionic Liquids and Recovery of the Products with Supercritical CO ₂ . <i>European Journal of Organic Chemistry</i> , 2003, 2003, 4804-4809.	2.4	28
60	Two-way enantioselective control in the epoxidation of alkenes with the keto bile acid-Oxone® system. <i>Tetrahedron</i> , 2006, 62, 4482-4490.	1.9	28
61	Metal catalysis in oxidation by peroxides part 13. The electrophilic character of the oxygen transfer from peroxomolybdenum(VI) to sulphides. <i>Journal of Molecular Catalysis</i> , 1982, 14, 53-62.	1.2	26
62	Metal catalysis in oxidation by peroxides. <i>Journal of Molecular Catalysis</i> , 1984, 22, 313-317.	1.2	26
63	Definitive evidence for a proximal effect of pyridine in the NaOCl/Mn(porphyrin) _x / pyridine catalytic oxygenation system. <i>Tetrahedron Letters</i> , 1984, 25, 5773-5776.	1.4	26
64	Mass spectrometric characterization of high-valent metal-oxo, -peroxo and -peroxy intermediates of relevance in oxidation processes. <i>Mass Spectrometry Reviews</i> , 2006, 25, 724-740.	5.4	25
65	One-Pot, Four-Step Organocatalytic Asymmetric Synthesis of Functionalized Nitrocyclopropanes. <i>Journal of Organic Chemistry</i> , 2015, 80, 9176-9184.	3.2	25
66	Thiazolium-catalyzed intermolecular Stetter reaction of linear and cyclic alkyl 1,2-diketones. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 8437.	2.8	24
67	Methylsulfinyl (Dimsyl) Anion as Umpolung Catalyst for the Chemoselective Cross-Benzoin Reaction of 1,2-Diketones with Aldehydes. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3244-3252.	4.3	24
68	Metal catalysis in oxidation by peroxides. Part 10. On the nature of the peroxovanadium(V) species in non-aqueous solvents. <i>Journal of Molecular Catalysis</i> , 1980, 9, 323-334.	1.2	23
69	Metal catalysis in oxidation by peroxides. 29. A oxygen-17 NMR spectroscopic investigation of neutral and anionic molybdenum peroxo complexes. <i>Journal of Organic Chemistry</i> , 1988, 53, 4581-4582.	3.2	23
70	Relative cyanide cation (+CN) affinities of pyridines determined by the kinetic method using multiple-stage (MS ³) mass spectrometry. <i>Journal of Mass Spectrometry</i> , 1995, 30, 184-193.	1.6	23
71	Metal catalysis in oxidation by peroxides part 14. Kinetics and mechanism of titanium-catalyzed oxidation of sulphides with t-butyl hydroperoxide. <i>Journal of Molecular Catalysis</i> , 1982, 14, 63-73.	1.2	22
72	Characterization and Reactivity of Triperoxo Vanadium Complexes In Protic Solvents. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 2913.	2.0	22

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73	Metal catalysis in oxidation by peroxides. Part 15. Steric effects in the oxidation of organic sulphides with V(V) and Mo(VI) peroxy complexes. <i>Journal of Molecular Catalysis</i> , 1982, 16, 61-68.	1.2	21
74	Metal catalysis in oxidation by peroxides. Part 16. Kinetics and mechanism of titanium-catalyzed oxidation of sulphides with hydrogen peroxide. <i>Journal of Molecular Catalysis</i> , 1982, 16, 69-80.	1.2	21
75	Asymmetric epoxidation by Mo(VI)-peroxy complexes: a mechanistic analysis. <i>Journal of Molecular Catalysis</i> , 1986, 35, 47-53.	1.2	21
76	Vanadium catalyzed reduction of dioxygen to hydrogen peroxide: an oscillating process. <i>Journal of Inorganic Biochemistry</i> , 2000, 80, 191-194.	3.5	21
77	Expanding the scope of enzymatic carbonylation reactions in flow-mode: production of optically active tertiary alcohols with packed-bed micro-bioreactors. <i>Green Chemistry</i> , 2014, 16, 3904-3915.	9.0	21
78	Nucleophilic and Electrophilic Double Aroylation of Chalcones with Benzils Promoted by the Dimethyl Anion as a Route to All Carbon Tetrasubstituted Olefins. <i>Journal of Organic Chemistry</i> , 2015, 80, 1937-1945.	3.2	21
79	Enzymatic Chemoselective Aldehyde-Ketone Cross-Couplings through the Polarity Reversal of Methylacetoin. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7171-7175.	13.8	21
80	Oxo-peroxy oxygen exchange in peroxovanadium(V) and peroxomolybdenum(VI) compounds. <i>Journal of the American Chemical Society</i> , 1981, 103, 3924-3926.	13.7	20
81	Mass displacements in quadrupolar field analysers. <i>Organic Mass Spectrometry</i> , 1993, 28, 745-751.	1.3	20
82	Esterification of glycerol and solketal by oxidative NHC-catalysis under heterogeneous batch and flow conditions. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 816-825.	3.7	20
83	Metal catalysis in oxidation by peroxides. <i>Journal of Molecular Catalysis</i> , 1983, 19, 331-343.	1.2	19
84	Aerobic oxidation of isopropanol catalysed by peroxovanadium complexes: mechanistic insights. <i>Perkin Transactions II RSC</i> , 2001, , 763-765.	1.1	19
85	Cross-benzoin and Stetter-type reactions mediated by KOtBu-DMF via an electron-transfer process. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9823-9835.	2.8	19
86	Fast atom bombardment mass spectrometry of multiply charged polynuclear rhenium(I)-ruthenium(II) complexes. <i>Inorganic Chemistry</i> , 1993, 32, 1222-1225.	4.0	18
87	On the Mechanism of the Oxygen Transfer to Sulfoxides by (Peroxy)tris(hydroxyalkyl)amine-Ti(IV) Complexes: Evidence for a Metal-Template-Assisted Process. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 507-511.	2.4	18
88	Unexpected One-Pot Synthesis of Highly Conjugated Pentacyclic Diquinoid Compounds. <i>Journal of Organic Chemistry</i> , 2012, 77, 6873-6879.	3.2	18
89	Unexpected reactivity of diaryl α,β -diketones with thiazolium carbenes: discovery of a novel multicomponent reaction for the facile synthesis of 1,4-thiazin-3-ones. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 6579.	2.8	18
90	Synthesis, characterization and biological activity of hydroxyl-bisphosphonic analogs of bile acids. <i>European Journal of Medicinal Chemistry</i> , 2012, 52, 221-229.	5.5	18

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91	A monolithic 5-(pyrrolidin-2-yl)tetrazole flow microreactor for the asymmetric aldol reaction in water-ethanol solvent. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 183-193.	3.7	18
92	Mass displacements in ion trap mass spectrometry: Can they be related to electronic properties of the substituent groups of the ions under investigation?. <i>Organic Mass Spectrometry</i> , 1992, 27, 927-928.	1.3	17
93	Electrophilic bromination of gaseous aromatic compounds: Mechanism and linear free energy effects on reaction rates. <i>Organic Mass Spectrometry</i> , 1993, 28, 1313-1322.	1.3	17
94	Control of the enantioselectivity by keto bile acid derivatives in the epoxidation of alkenes with Oxone. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 3831-3833.	1.8	17
95	1,3-Cycloaddition of nitrones in ionic liquids catalyzed by Er(III): an easy access to isoxazolidines. <i>Tetrahedron Letters</i> , 2007, 48, 7125-7128.	1.4	17
96	Oxidative NHC-Catalysis as Organocatalytic Platform for the Synthesis of Polyester Oligomers by Step-Growth Polymerization. <i>Chemistry - A European Journal</i> , 2019, 25, 14701-14710.	3.3	17
97	Mild Oxidative Conversion of Nitroalkanes into Carbonyl Compounds in Ionic Liquids. <i>Synthetic Communications</i> , 2010, 40, 2483-2487.	2.1	16
98	Continuous ion-exchange resin catalysed esterification of eugenol for the optimized production of eugenyl acetate using a packed bed microreactor. <i>RSC Advances</i> , 2015, 5, 76898-76903.	3.6	16
99	KuQuinones Equilibria Assessment for Biomedical Applications. <i>Journal of Organic Chemistry</i> , 2017, 82, 10129-10138.	3.2	16
100	Metal catalysis in oxidation by peroxides. <i>Journal of Molecular Catalysis</i> , 1983, 19, 319-329.	1.2	15
101	Mass spectrometry of sulfur-containing compounds in organic and bioorganic fields. <i>Mass Spectrometry Reviews</i> , 1995, 14, 117-162.	5.4	15
102	Structural and analytical powder diffraction studies of the enantioselective inclusion of chiral arylmethylsulfoxides in dehydrocholic acid cocrystals. <i>New Journal of Chemistry</i> , 2004, 28, 1295.	2.8	15
103	Enantioselective Desymmetrization of 1,4-Dihydropyridines by Oxidative NHC Catalysis. <i>Chemistry - A European Journal</i> , 2019, 25, 7469-7474.	3.3	15
104	Metal catalysis in oxidation by peroxides. 24. Extraction of aqueous peroxomolybdenum species into organic media and their reactivity. <i>Canadian Journal of Chemistry</i> , 1986, 64, 1189-1195.	1.1	14
105	Optical Resolution of Cyclic Amides by Inclusion in Dehydrocholic Acid. <i>Chemistry Letters</i> , 2003, 32, 206-207.	1.3	14
106	Hydrogen-bonded aggregations of oxo-cholic acids. <i>Acta Crystallographica Section B: Structural Science</i> , 2005, 61, 346-356.	1.8	14
107	Inclusion of cyclic carbonates by a cholic acid host: structure and enantioselection. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 308-312.	1.8	14
108	Exploring Oxidative NHC-Catalysis as Organocatalytic Polymerization Strategy towards Polyamide Oligomers. <i>Chemistry - A European Journal</i> , 2021, 27, 1839-1848.	3.3	14

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109	Relationship between mass displacements and dipole moments of para-substituted pyridine odd-electron molecular ions. <i>Organic Mass Spectrometry</i> , 1994, 29, 269-271.	1.3	13
110	The phenylsulfenium cation: Electronic structure and gas-phase reactivity. <i>Tetrahedron Letters</i> , 1999, 40, 6073-6076.	1.4	13
111	Polymorphism of dehydrocholic acid: crystal structure of the β -phase and guest-mediated solid phase conversion. <i>New Journal of Chemistry</i> , 2003, 27, 1794-1800.	2.8	13
112	Relative acidity scale of glycine- and taurine-conjugated bile acids through ESI-MS measurements. <i>Steroids</i> , 2011, 76, 596-602.	1.8	13
113	Synthesis and in vitro cytotoxicity of deoxyadenosine-bile acid conjugates linked with 1,2,3-triazole. <i>New Journal of Chemistry</i> , 2013, 37, 3559.	2.8	13
114	Regiodivergent Isosorbide Acylation by Oxidative N-Heterocyclic Carbene Catalysis in Batch and Continuous Flow. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8295-8305.	6.7	13
115	Estimation of the polarizability of gaseous ions by ion trap mass measurements. <i>Organic Mass Spectrometry</i> , 1993, 28, 428-432.	1.3	12
116	Preparation and characterization of some keto-bile acid azines. <i>Steroids</i> , 2007, 72, 756-764.	1.8	12
117	ASYMMETRIC OXIDATION OF β -HYDROXYSULFIDES. THE ROLE OF THE HYDROXY GROUP. <i>Phosphorous and Sulfur and the Related Elements</i> , 1988, 37, 171-174.	0.2	11
118	Trimethylsilyldiazomethane as a diazomethane equivalent in the synthesis of (\pm -halomethyl) platinum(II) complexes. <i>Inorganica Chimica Acta</i> , 1996, 252, 33-37.	2.4	11
119	Oxygenation by Ruthenium Monosubstituted Polyoxotungstates in Aqueous Solution: Experimental and Computational Dissection of a Ru(III) \rightarrow Ru(V) Catalytic Cycle. <i>Chemistry - A European Journal</i> , 2014, 20, 10932-10943.	3.3	11
120	Enzymatic synthesis of biobased aliphatic-aromatic oligoesters using 5,5-bis(hydroxymethyl)furoin as a building block. <i>RSC Advances</i> , 2019, 9, 29044-29050.	3.6	11
121	Resolution of Unfunctionalized Epoxides by Cholic Acid Inclusion Compounds. <i>Chemistry Letters</i> , 2000, 29, 1246-1247.	1.3	10
122	Mixed oxo-hydroxy bile acids as actual or potential impurities in ursodeoxycholic acid preparation: a ^1H and ^{13}C NMR study. <i>Il Farmaco</i> , 2000, 55, 51-55.	0.9	10
123	Bile acids in asymmetric synthesis and chiral discrimination. <i>Chirality</i> , 2010, 22, 486-494.	2.6	10
124	Enzymatic Chemoselective Aldehyde-Ketone Cross-Couplings through the Polarity Reversal of Methylacetoin. <i>Angewandte Chemie</i> , 2015, 127, 7277-7281.	2.0	10
125	Fluorous-tag assisted synthesis of bile acid-bisphosphonate conjugates via orthogonal click reactions: an access to potential anti-resorption bone drugs. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4907-4920.	2.8	10
126	Organocatalytic synthesis of poly(hydroxymethylfuroate) <i>via</i> ring-opening polymerization of 5-hydroxymethylfurfural-based cyclic oligoesters. <i>Polymer Chemistry</i> , 2022, 13, 1350-1358.	3.9	10

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127	Unimolecular and collisionally induced fragmentations of [CH ₂ X ₂] ⁺ . <i>Organic Mass Spectrometry</i> , 1990, 25, 247-248.	1.3	9
128	Complex formation between aluminium(III) and 2-hydroxy nicotinic acid: an electrospray mass spectrometric investigation. , 1999, 13, 1878-1881.		9
129	A Novel Host-Guest Supramolecular Architecture of Dehydrocholic Acid in the Enantioselective Inclusion of R-(+)-Methylp-Tolyl Sulfoxide. <i>Chemistry Letters</i> , 2002, 31, 400-401.	1.3	9
130	A Simple and Efficient Oxidation Procedure for the Synthesis of Acid-Sensitive Epoxides. <i>Synthesis</i> , 2009, 2009, 1123-1126.	2.3	9
131	Relative acidity scale of bile acids through ESI-MS measurements. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3674.	2.8	9
132	Synthesis of functionalized imidazolidine-2-thiones via NHC/base-promoted aza-benzoin/aza-acetalization domino reactions. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8788-8801.	2.8	9
133	Enantioselective N-Acylation of Biginelli Dihydropyrimidines by Oxidative NHC Catalysis. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 2439-2447.	2.4	9
134	Fluorine influence in the mass spectrometric patterns in β -hydroxy alkyl aryl sulphoxides. Part 5. <i>Rapid Communications in Mass Spectrometry</i> , 1990, 4, 376-380.	1.5	8
135	<i>Bacillus stearothermophilus</i> alcohol dehydrogenase: A new catalyst to obtain enantiomerically pure bicyclic octen- and hepten-ols and -ones.. <i>Tetrahedron</i> , 1996, 52, 1669-1676.	1.9	8
136	Modified N,O-Nucleosides: Design, Synthesis, and Anti-tumour Activity. <i>Australian Journal of Chemistry</i> , 2014, 67, 670.	0.9	8
137	Exploring the Synergy Between HPTLC and HPLC-DAD for the Investigation of Wine-Making By-Products. <i>Molecules</i> , 2019, 24, 3416.	3.8	8
138	Expanding the Toolbox of Heterogeneous Asymmetric Organocatalysts: Bifunctional Cyclopropenimine Superbases for Enantioselective Catalysis in Batch and Continuous Flow. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 5473-5485.	4.3	8
139	Photoredox Cross-Dehydrogenative Coupling of N-Aryl Glycines Mediated by Mesoporous Graphitic Carbon Nitride: An Environmentally Friendly Approach to the Synthesis of Non-Proteinogenic β -Amino Acids (NPAAs) Decorated with Indoles. <i>Journal of Organic Chemistry</i> , 2022, 87, 7826-7837.	3.2	8
140	Metal catalysis in oxidation by peroxides. <i>Journal of Molecular Catalysis</i> , 1985, 33, 241-244.	1.2	7
141	Investigation of singly charged dihalomethanes by collision spectroscopy. <i>Rapid Communications in Mass Spectrometry</i> , 1992, 6, 71-74.	1.5	7
142	Evaluation of the dipole moments of organic ions in the gas phase. <i>Organic Mass Spectrometry</i> , 1994, 29, 273-276.	1.3	7
143	Electrospray and fast ion bombardment of mixed-valence polynuclear complexes based on MII(bpy) ₂ (M) Tj ETQq1 1,0,784314 rgBT /Ove	2.4	7
144	A New Non-enzymatic Route to Chenodeoxycholic Acid. <i>Chemistry Letters</i> , 1996, 25, 335-336.	1.3	7

#	ARTICLE	IF	CITATIONS
145	Ion/molecule reactions of C ₂ H ₂ N ⁺ , C ₂ H ₄ N ⁺ and C ₃ H ₄ N ⁺ ions from acetonitrile with neutral carbon suboxide. <i>Rapid Communications in Mass Spectrometry</i> , 1998, 12, 1425-1428.	1.5	7
146	Direct Synthesis of Stable Adamantylideneadamantane Bromonium Salts. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 3237-3239.	2.4	7
147	Oxidative Cleavage of Nitroalkenes with Hydrogen Peroxide in Environmentally Acceptable Solvents. <i>Chemistry Letters</i> , 2007, 36, 472-473.	1.3	7
148	Inclusion Compounds of Dehydrocholic Acid with Solvents. <i>International Journal of Molecular Sciences</i> , 2007, 8, 662-669.	4.1	7
149	An enzymatic approach to the synthesis of optically pure (3R)- and (3S)-enantiomers of green tea flavor compound 3-hydroxy-3-methylnonane-2,4-dione. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 85-86, 93-98.	1.8	7
150	One-pot, two-step desymmetrization of symmetrical benzils catalyzed by the methylsulfinyl (dimethyl) anion. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5733-5744.	2.8	7
151	Synthesis of a Novel Class of gem-Phosphonate-Phosphates by Reductive Cleavage of the Isoxazolidine Ring. <i>Current Organic Synthesis</i> , 2014, 11, 461-465.	1.3	6
152	Mass spectrometric investigation of substituted 1,3-dithiolane S-oxides. <i>Organic Mass Spectrometry</i> , 1988, 23, 841-845.	1.3	5
153	Stereochemical studies by mass spectrometry: C ₁₅ Nuphar alkaloids. <i>Organic Mass Spectrometry</i> , 1991, 26, 956-960.	1.3	5
154	Investigation of ruthenium (II) and iron (II) tris-bipyridyl complexes by means of 10-30 keV Cs ⁺ ion bombardment and collision-induced dissociation. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 706-710.	1.5	5
155	Regiodivergent Synthesis of Benzothiazole-Based Isosorbide Imidates by Oxidative N-Heterocyclic Carbene Catalysis. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	5
156	Stereochemical studies of complex molecules by collisionally induced decomposition of doubly charged ions: Nuphar alkaloids. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1991, , 287-289.	0.9	4
157	Mass spectrometry of nuphar alkaloids. <i>Rapid Communications in Mass Spectrometry</i> , 1991, 5, 518-523.	1.5	4
158	Transition Metal Peroxides. Synthesis and Role in Oxidation Reactions. , 0, , 1053-1128.		4
159	Diketobile Acids as New Hosts in Solid-state Enantioselective Resolutions. <i>Chemistry Letters</i> , 2007, 36, 930-931.	1.3	4
160	Electron-transfer-initiated benzoin- and Stetter-like reactions in packed-bed reactors for process intensification. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2719-2730.	2.2	4
161	Enzymatic Cross-Benzoin-Type Condensation of Aliphatic Aldehydes: Enantioselective Synthesis of 1-Alkyl-1-hydroxypropan-2-ones and 1-Alkyl-1-hydroxybutan-2-ones. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4132-4141.	1.8	4
162	Fast-atom bombardment mass spectrometry of oligomeric dicyanobis(polypyridine) ruthenium (II) complexes. <i>Rapid Communications in Mass Spectrometry</i> , 1991, 5, 600-603.	1.5	3

#	ARTICLE	IF	CITATIONS
163	Chemical synthesis in mass spectrometry: Some examples in the organic, organometallic and polymer fields. <i>Rapid Communications in Mass Spectrometry</i> , 1992, 6, 498-507.	1.5	3
164	Structure-dependent mass displacements in ion-trap experiments. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 666-669.	1.5	3
165	Guest dependent inversion of enantiomeric recognition in dehydrocholic acid host-guest enclathration. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1194-1196.	1.8	3
166	A One-Pot Two-Step Enzymatic Pathway for the Synthesis of Enantiomerically Enriched Vicinal Diols. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 973-978.	2.4	3
167	Fast atom bombardment mass spectra of anionic peroxo-molybdenum and -tungsten complexes. <i>Journal of Organometallic Chemistry</i> , 1989, 379, C13-C15.	1.8	2
168	Fast-atom bombardment mass spectrometry in the stereochemical characterization of a new group of C30 nuphar alkaloids. <i>Rapid Communications in Mass Spectrometry</i> , 1993, 7, 288-292.	1.5	2
169	Chemoenzymatic Stereodivergent Synthesis of All the Possible Stereoisomers of the 2,3-Dimethylglyceric Acid Ethyl Ester. <i>Catalysts</i> , 2021, 11, 1440.	3.5	2
170	Mass displacements in ion traps as a sensitive tool in cis-trans isomer characterization. <i>Organic Mass Spectrometry</i> , 1993, 28, 1363-1364.	1.3	1
171	Key fragmentations for the interpretation of mass spectra of disubstituted bile acids of bovine and porcine origin. , 1997, 11, 1286-1288.		1
172	Trisubstituted bile acids of bovine and porcine origin: a gas chromatographic/mass spectrometric study. <i>Rapid Communications in Mass Spectrometry</i> , 1997, 11, 2002-2004.	1.5	1
173	Native Quercetin as a Chloride Receptor in an Organic Solvent. <i>Molecules</i> , 2018, 23, 3366.	3.8	1
174	Correlation between polarizability substituent effects and mass displacements of gaseous organic ions determined by an ion trap. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993, , 2327.	0.9	0
175	A phenomenological description of ion cloud squeeze in an ion trap. <i>Rapid Communications in Mass Spectrometry</i> , 1995, 9, 1470-1471.	1.5	0
176	Improved Enantioselectivity in the Epoxidation of Cinnamic Acid Derivatives with Dioxiranes from Keto Bile Acids.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
177	Optical Resolution of Cyclic Amides by Inclusion in Dehydrocholic Acid.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
178	Sustainable Epoxidation of Electron-Poor Olefins with Hydrogen Peroxide in Ionic Liquids and Recovery of the Products with Supercritical CO ₂ .. <i>ChemInform</i> , 2004, 35, no.	0.0	0
179	Control of the Enantioselectivity by Keto Bile Acid Derivatives in the Epoxidation of Alkenes with Oxone.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
180	Vanadium(V) Peroxo Complexes: Structure, Chemistry and Biological Implications. <i>ChemInform</i> , 2005, 36, no.	0.0	0

#	ARTICLE	IF	CITATIONS
181	Bile Acid Derivatives as Enantiodifferentiating Host Molecules in Inclusion Processes. ChemInform, 2006, 37, no.	0.0	0