

Florenci V González

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Mechanism of inhibition of SARS-CoV-2 M ^{pro} by N3 peptidyl Michael acceptor explained by QM/MM simulations and design of new derivatives with tunable chemical reactivity. <i>Chemical Science</i> , 2021, 12, 1433-1444.	7.4	87
2	Stereoselective Synthesis of the Naturally Occurring Lactones (âˆ“)-Osmundalactone and (âˆ“)-Muricatacine Using Ring-Closing Metathesis. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 2649.	2.4	61
3	Nitroepoxides as Versatile Precursors to 1,4-Diamino Heterocycles. <i>Organic Letters</i> , 2014, 16, 1752-1755.	4.6	53
4	Design and synthesis of dipeptidyl Î±,Î²-epoxy ketones, potent irreversible inhibitors of the cysteine protease cruzain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998, 8, 2809-2812.	2.2	47
5	Dipeptidyl Nitroalkenes as Potent Reversible Inhibitors of Cysteine Proteases Rhodesain and Cruzain. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 1073-1076.	2.8	42
6	Diastereoselective additions of organolithium reagents to the CÎ±âˆ“N bond of protected erythrulose oxime ethers. Synthesis of enantiopure Î±,Î±-disubstituted Î±-aminiacids. <i>Tetrahedron Letters</i> , 1997, 38, 1841-1844.	1.4	40
7	Stereoisomerization of Î²-Hydroxy-Î±-sulfonyl-Î³-butyrolactones Controlled by Two Concomitant 1,4-Type Nonbonded Sulfurâˆ“Oxygen Interactions As Analyzed by X-ray Crystallography. <i>Journal of Organic Chemistry</i> , 2010, 75, 5888-5894.	3.2	40
8	A Synthetic Model for the [4+2] Cycloaddition in the Biosynthesis of the Brevianamides, Paraherquamides, and Related Compounds. <i>Tetrahedron</i> , 2000, 56, 6345-6358.	1.9	38
9	Highly Stereoselective Epoxidation of Î±-Methyl-Î³-hydroxy-Î±,Î²-unsaturated Esters: A Rationalization and Synthetic Applications. <i>Journal of Organic Chemistry</i> , 2007, 72, 6614-6617.	3.2	34
10	Facile synthesis of first generation ferrocene dendrimers by a convergent approach using ditopic conjugated dendrons Electronic supplementary information (ESI) available: molecular structure of 2. See http://www.rsc.org/suppdata/nj/b1/b108142j/ . <i>New Journal of Chemistry</i> , 2002, 26, 291-297.	2.8	32
11	Diastereoselectivity in Organometallic Additions to the Carbonyl Group of Protected Erythrulose Derivatives. <i>Journal of Organic Chemistry</i> , 1998, 63, 698-707.	3.2	31
12	Regioselective Ring Opening and Isomerization Reactions of 3,4-Epoxyesters Catalyzed by Boron Trifluoride. <i>Organic Letters</i> , 2011, 13, 3856-3859.	4.6	31
13	Aldol Reactions with Erythrulose Derivatives: Stereoselective Synthesis of Differentially Protected syn -Î±,Î²-Dihydroxy Esters. <i>Tetrahedron</i> , 2000, 56, 677-683.	1.9	30
14	Stereoselective synthesis of (âˆ“)-cytoxazone. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 1005-1010.	1.8	30
15	Synthetic studies on asperparaline A. Synthesis of the spirosuccinimide ring system. <i>Tetrahedron Letters</i> , 1999, 40, 4519-4522.	1.4	29
16	Antiprotozoal and cysteine proteases inhibitory activity of dipeptidyl enoates. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 4624-4634.	3.0	27
17	Advances in the Development of SARS-CoV-2 M ^{pro} Inhibitors. <i>Molecules</i> , 2022, 27, 2523.	3.8	27
18	A Theoretical Study of Addition of Organomagnesium Reagents to Chiral Î±-Alkoxy Carbonyl Compounds. <i>Journal of Organic Chemistry</i> , 1996, 61, 3467-3475.	3.2	25

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19	Stereoselective synthesis of $\hat{1}\pm$ -substituted serines from protected erythrose oximes. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 1703-1712.	1.8	25
20	Dynamic Kinetic Asymmetric Ring-Opening/Reductive Amination Sequence of Racemic Nitroepoxides with Chiral Amines: Enantioselective Synthesis of Chiral Vicinal Diamines. <i>Journal of Organic Chemistry</i> , 2013, 78, 5717-5722.	3.2	25
21	Synthesis of Protected Enantiopure Erythrose Derivatives. <i>Liebigs Annalen</i> , 1996, 1996, 1801-1810.	0.8	23
22	Dipeptidyl- $\hat{1}\pm, \hat{1}^2$ -epoxyesters as potent irreversible inhibitors of the cysteine proteases cruzain and rhodesain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 6697-6700.	2.2	22
23	Natural Products as Cathepsin Inhibitors. <i>Studies in Natural Products Chemistry</i> , 2016, , 179-213.	1.8	21
24	Study of the stereoselectivity of the nucleophilic epoxidation of 3-hydroxy-2-methylene esters. <i>Tetrahedron</i> , 2014, 70, 97-102.	1.9	20
25	Dipeptidyl Enoates As Potent Rhodesain Inhibitors That Display a Dual Mode of Action. <i>ChemMedChem</i> , 2015, 10, 1484-1487.	3.2	20
26	Fast methodology for the reliable determination of nonylphenol in water samples by minimal labeling isotope dilution mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1301, 19-26.	3.7	19
27	Development and validation of a liquid chromatography isotope dilution mass spectrometry method for the reliable quantification of alkylphenols in environmental water samples by isotope pattern deconvolution. <i>Journal of Chromatography A</i> , 2014, 1328, 43-51.	3.7	18
28	Catalytic enantioselective epoxidation of nitroalkenes. <i>Chemical Communications</i> , 2016, 52, 10060-10063.	4.1	18
29	Quantum mechanics/molecular mechanics studies of the mechanism of cysteine protease inhibition by peptidyl-2,3-epoxyketones. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12740-12748.	2.8	17
30	Diastereoselectivity of the reactions of organometallic reagents with protected d- and l-erythrose 1,3-O-ethylidene acetals. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 559-577.	1.8	16
31	Diastereoselective synthesis of $\hat{1}^3$ -hydroxy $\hat{1}\pm, \hat{1}^2$ -epoxyesters and their conversion into $\hat{1}^2$ -hydroxy $\hat{1}\pm$ -sulfonyl $\hat{1}^3$ -butyrolactones. <i>Tetrahedron</i> , 2006, 62, 11112-11123.	1.9	16
32	Diastereoselective synthesis of enantiomeric tertiary alcohols via nucleophilic additions to protected D- and L-erythrose derivatives. <i>Tetrahedron: Asymmetry</i> , 1992, 3, 1511-1514.	1.8	15
33	Highly diastereoselective additions of organometallic reagents to 1-O-silylated 3,4-Di-O-benzyl-L-erythrose derivatives. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 1799-1802.	1.8	15
34	Quantum Mechanics/Molecular Mechanics Studies of the Mechanism of Cysteine Proteases Inhibition by Dipeptidyl Nitroalkenes. <i>Chemistry - A European Journal</i> , 2020, 26, 2002-2012.	3.3	15
35	Boron aldol additions with erythrose derivatives: dependence of stereoselectivity on the type of protecting group. <i>Tetrahedron Letters</i> , 1999, 40, 6845-6848.	1.4	14
36	Diastereoselectivity in the epoxidation of $\hat{1}^3$ -hydroxy $\hat{1}\pm, \hat{1}^2$ -unsaturated esters: temperature and solvent effect. <i>Tetrahedron Letters</i> , 2004, 45, 5359-5361.	1.4	13

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37	Radical Mechanism in the Elimination of 2-Arylsulfinyl Esters. <i>Journal of Organic Chemistry</i> , 2012, 77, 5191-5197.	3.2	13
38	A novel p38 MAPK docking-groove-targeted compound is a potent inhibitor of inflammatory hyperalgesia. <i>Biochemical Journal</i> , 2014, 459, 427-439.	3.7	13
39	Regioselective Opening of Nitroepoxides with Unsymmetrical Diamines. <i>Journal of Organic Chemistry</i> , 2018, 83, 1252-1258.	3.2	13
40	Stereoselective allylations of erythrulose derivatives under anhydrous conditions. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1417-1429.	1.8	12
41	Influence of the protecting groups on the syn/anti stereoselectivity of boron aldol additions with erythrulose derivatives. A theoretical and experimental study. <i>Tetrahedron</i> , 2002, 58, 9697-9707.	1.9	12
42	Highly stereoselective epoxidation of O-protected 3-hydroxy-1-nitroalkenes. <i>Tetrahedron</i> , 2009, 65, 8362-8366.	1.9	12
43	Chlorodicyclohexylborane-Mediated Aldol Additions of α,β -Dioxygenated Ketones. <i>Organic Letters</i> , 2001, 3, 901-904.	4.6	11
44	Synthesis of (E)-2,6-dimethyl-6-hydroxyocta-2,7-dienoic acid and the corresponding amide (acacialactam) in optically active form. <i>Tetrahedron</i> , 1995, 51, 2755-2762.	1.9	10
45	Preparation of Morpholines and Benzoxazines Starting from Nitroepoxides. <i>Synthesis</i> , 2016, 48, 2572-2580.	2.3	9
46	Stereoselective synthesis of syn- α -methyl- β -hydroxy esters. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 3211-3220.	1.8	8
47	Elucidating the Dual Mode of Action of Dipeptidyl Enoates in the Inhibition of Rhodospirillum rubrum Cysteine Proteases. <i>Chemistry - A European Journal</i> , 2021, 27, 10142-10150.	3.3	6
48	Amidation through carbamates. <i>Tetrahedron Letters</i> , 2009, 50, 2653-2655.	1.4	5
49	Synthetic Studies on the Preparation of Alanyl Epoxysulfones as Cathepsin Cysteine Protease Electrophilic Traps. <i>Journal of Organic Chemistry</i> , 2015, 80, 7752-7756.	3.2	5
50	Breakthroughs in Medicinal Chemistry: New Targets and Mechanisms, New Drugs, New Hopes. <i>Molecules</i> , 2020, 25, 2968.	3.8	5
51	Stereoisomerization of α -hydroxy- β -sulfonyl- α,β -dimethyl naphthoquinones controlled by nonbonded sulfur-oxygen interactions. <i>Tetrahedron</i> , 2013, 69, 2098-2101.	1.9	2
52	Influence of the Gas Atmosphere on the Deprotection of (Z)- α,β -Unsaturated Esters. <i>Letters in Organic Chemistry</i> , 2009, 6, 504-506.	0.5	1
53	Three-Step Telescoped Synthesis of Monosubstituted Vicinal Diamines from Aldehydes. <i>ACS Omega</i> , 2019, 4, 2261-2267.	3.5	1
54	Design, Synthesis and Evaluation of Fluorescent Analogues of Abscisic Acid. <i>ChemistrySelect</i> , 2020, 5, 8015-8019.	1.5	1

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55	Asymmetric Epoxidations of Poor-Electron Olefins. ChemInform, 2006, 37, no.	0.0	0
56	Design and Synthesis of Cysteine Protease Inhibitors. Proceedings (mdpi), 2017, 1, .	0.2	0
57	Design and Synthesis of Cysteine Proteases Inhibitors. Proceedings (mdpi), 2019, 22, 86.	0.2	0
58	Formal [3+2] Cycloaddition Reactions of Electron-Rich Aryl Epoxides with Alkenes under Lewis Acid Catalysis Affording Tetrasubstituted Tetrahydrofurans. Molecules, 2020, 25, 692.	3.8	0