

# Reyes Babiano

## List of Publications by Year in descending order

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127  
papers

3,110  
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186265

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151  
docs citations

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times ranked

2672  
citing authors

#	ARTICLE	IF	CITATIONS
1	Absolute Asymmetric Synthesis under Physical Fields: Facts and Fictions. <i>Chemical Reviews</i> , 1998, 98, 2391-2404.	47.7	292
2	Nonlinear stereochemical effects in asymmetric reactions. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 2997-3017.	1.8	162
3	Chiral autocatalysis: where stereochemistry meets the origin of life. <i>Chemical Communications</i> , 2000, , 887-892.	4.1	159
4	From parity to chirality: chemical implications revisited. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 2845-2874.	1.8	154
5	Rhodamine and BODIPY chemodosimeters and chemosensors for the detection of Hg <sup>2+</sup> , based on fluorescence enhancement effects. <i>Analytical Methods</i> , 2013, 5, 30-49.	2.7	146
6	Greener Media in Chemical Synthesis and Processing. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3904-3908.	13.8	113
7	Synthetic variations based on low-valent chromium: new developments. <i>Chemical Society Reviews</i> , 1999, 28, 169-177.	38.1	81
8	Assessing the whole range of CuAAC mechanisms by DFT calculations on the intermediacy of copper acetylides. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2952.	2.8	53
9	A new method for the preparation of acylated glycosylamines and their transformations into glycosyl isothiocyanates and N,N <sup>2</sup> -diglycosylthioureas. <i>Carbohydrate Research</i> , 1986, 154, 280-288.	2.3	52
10	Symmetry Breaking by Spontaneous Crystallization – Is it the Most Plausible Source of Terrestrial Handedness we have Long Been Looking for? – A Reappraisal. <i>Origins of Life and Evolution of Biospheres</i> , 2004, 34, 391-405.	1.9	48
11	Enhanced Diels-Alder reactions: on the role of mineral catalysts and microwave irradiation in ionic liquids as recyclable media. <i>Tetrahedron</i> , 2007, 63, 2901-2906.	1.9	45
12	Can We Predict the Conformational Preference of Amides?. <i>Journal of Organic Chemistry</i> , 2001, 66, 7275-7282.	3.2	44
13	Homochirality and chemical evolution: new vistas and reflections on recent models. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1030-1040.	1.8	44
14	Hetero-Diels-Alder Reactions of Homochiral 1,2-Diaza-1,3-butadienes with Diethyl Azodicarboxylate under Microwave Irradiation. Theoretical Rationale of the Stereochemical Outcome. <i>Journal of Organic Chemistry</i> , 1999, 64, 6297-6305.	3.2	43
15	Cycloaddition Chemistry of 1,3-Thiazolium-4-olate Systems. Reaction with Nitroalkenes and Interpretation of Results Using PM3 Calculations. <i>Journal of Organic Chemistry</i> , 1996, 61, 3738-3748.	3.2	41
16	Reactions of thioamides with metal carboxylates in organic media. <i>Tetrahedron</i> , 1997, 53, 14463-14480.	1.9	38
17	A Family of Hydrogels Based on Ureido-Linked Aminopolyol-Derived Amphiphiles and Bolaamphiphiles: Synthesis, Gelation under Thermal and Sonochemical Stimuli, and Mesomorphic Characterization. <i>Chemistry - A European Journal</i> , 2008, 14, 5656-5669.	3.3	35
18	Controlled silanization-amination reactions on the Ti6Al4V surface for biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 106, 248-257.	5.0	35

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19	Exploiting Synthetic Chemistry with Mesoionic Rings: Improvements Achieved with Thioisom $\frac{1}{4}$ nchnones. <i>Accounts of Chemical Research</i> , 2005, 38, 460-468.	15.6	34
20	The structure of glycosyl amides: A combined study by NMR spectroscopy, X-ray crystallography, and computational chemistry. <i>Tetrahedron</i> , 1998, 54, 615-628.	1.9	33
21	Computational Studies on the BF <sub>3</sub> -Catalyzed Cycloaddition of Furan with Methyl Vinyl Ketone: A New Look at Lewis Acid Catalysis. <i>Journal of Organic Chemistry</i> , 2000, 65, 6613-6619.	3.2	32
22	Tautomerism in Schiff bases. The cases of 2-hydroxy-1-naphthaldehyde and 1-hydroxy-2-naphthaldehyde investigated in solution and the solid state. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 8268.	2.8	32
23	NMR Studies of sugar amides and thioamides. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1992, , 2205-2215.	0.9	31
24	Clay-catalyzed solventless addition reactions of furan with $\hat{1},\hat{2}$ -unsaturated carbonyl compounds. <i>Tetrahedron Letters</i> , 1998, 39, 9301-9304.	1.4	31
25	Diastereoselective Cycloadditions of 1,3-Thiazolium-4-olates with Chiral 1,2-Diaza-1,3-butadienes. <i>Journal of Organic Chemistry</i> , 2000, 65, 5089-5097.	3.2	30
26	Synthesis of Sugar Isocyanates and Their Application to the Formation of Ureido-Linked Disaccharides. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 657-671.	2.4	30
27	Regioselective benzoylations of glycopyranosylamines: Synthesis of partially protected glycopyranosyl isothiocyanates. <i>Carbohydrate Research</i> , 1989, 188, 35-44.	2.3	28
28	Haloalkyl Isothiocyanates, Useful and Versatile Reagents in Heterocyclic Chemistry. <i>Heterocycles</i> , 1992, 33, 973.	0.7	28
29	The reaction of 2-amino-2-deoxyhexopyranoses with isocyanates. Synthesis of ureas and their transformation into heterocyclic derivatives.. <i>Tetrahedron</i> , 1993, 49, 2655-2675.	1.9	28
30	Reaction of thioamides with silver carboxylates in aprotic media. A nucleophilic approach to the synthesis of imides, amides, and nitriles. <i>Tetrahedron Letters</i> , 1994, 35, 477-480.	1.4	27
31	M $\frac{1}{4}$ nchnone $\hat{~}$ Alkene Cycloadditions: Deviations from the FMO Theory. Theoretical Studies in the Search of the Transition State. <i>Journal of Organic Chemistry</i> , 1996, 61, 7291-7297.	3.2	27
32	Thermal and Sonochemical Studies on the Diels $\hat{~}$ Alder Cycloadditions of Maskedo-Benzoquinones with Furans: A New Insights into the Reaction Mechanism $\hat{~}$ . <i>Journal of Organic Chemistry</i> , 2003, 68, 7193-7203.	3.2	27
33	Diastereofacial selectivity in diels-alder reactions of chiral 1,2-diaza-1,3-butadienes from carbohydrates. <i>Tetrahedron Letters</i> , 1991, 32, 2513-2516.	1.4	26
34	On the mechanism of formation of glycofurano[2,1-d]-imidazolidin-2-ones. Reaction of 2-amino-2-deoxyheptopyranoses with isocyanates.. <i>Tetrahedron</i> , 1993, 49, 2676-2690.	1.9	26
35	Synthesis of glycoamidines using a mercury-promoted reaction. <i>Tetrahedron</i> , 1995, 51, 8043-8056.	1.9	25
36	Diastereoselective Cycloadditions of Nitroalkenes as an Approach to the Assembly of Bicyclic Nitrogen Heterocycles $\hat{~}$ . <i>Journal of Organic Chemistry</i> , 1999, 64, 1494-1502.	3.2	25

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37	Schiff Bases from TRIS and <i>ortho</i> -Hydroxyarene-carbaldehydes: Structures and Tautomeric Equilibria in the Solid State and in Solution. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3137-3145.	2.4	25
38	Photoinduced electron transfer fluorometric Hg(II) chemosensor based on a BODIPY armed with a tetrapod receptor. <i>Talanta</i> , 2013, 117, 288-296.	5.5	25
39	Synthesis of acylated thiourenedisaccharides. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1990, , 495-501.	0.9	24
40	Syntheses of d-ribosylamines, d-ribopyranosyl isothiocyanates, and d-ribopyranosylthioureas, and their transformations into heterocyclic compounds. <i>Carbohydrate Research</i> , 1988, 173, 1-16.	2.3	23
41	Diastereoselective synthesis of chiral thiiranes by 1,3-dipolar cycloaddition of imidazo[2,1-b]thiazolium-4-olate systems with aromatic aldehydes. <i>Tetrahedron Letters</i> , 1993, 34, 2999-3002.	1.4	23
42	Condensation of 2-amino-2-deoxysugars with isothiocyanates. Synthesis of cis-1,2-fused glycopyrano heterocycles.. <i>Tetrahedron</i> , 1994, 50, 3273-3296.	1.9	23
43	Synthesis and reactivity toward acetylenic dipolarophiles of imidazo[2,1-b]thiazolium-3-olate systems. <i>Carbohydrate Research</i> , 1991, 222, 99-112.	2.3	22
44	[3+2]-Cycloadditions of 2-Aminothioisom <sup>1/4</sup> nchnones to Alkynes: Synthetic Scope and Mechanistic Insights. <i>Tetrahedron</i> , 2000, 56, 1247-1255.	1.9	21
45	Synergic Effect of Vicinal Stereocenters in [3 + 2] Cycloadditions of Carbohydrate Azadipolarophiles and Mesoionic Dipoles: A Origin of Diastereofacial Selectivity. <i>Journal of Organic Chemistry</i> , 2001, 66, 5139-5145.	3.2	21
46	Substrate-Controlled Stereodifferentiation of Tandem [4 + 2]/[3 + 2] Cycloadditions by a Vicinal Carbohydrate-Based Template. <i>Journal of Organic Chemistry</i> , 1996, 61, 1880-1882.	3.2	20
47	Expeditious formation of 1,2,4-triazine derivatives via a thioisom <sup>1/4</sup> nchnone cycloaddition reaction. <i>Tetrahedron Letters</i> , 1999, 40, 8675-8678.	1.4	20
48	Non-biaryl atropisomers derived from carbohydrates. Part 1. Stereoselective synthesis of 1-aryl-5-hydroxyimidazolidine-2-thiones and their transformation into imidazoline-2-thiones. <i>Tetrahedron</i> , 1999, 55, 4377-4400.	1.9	20
49	Reactions of 2-Amino-2-thiazolines with Isocyanates and Isothiocyanates. Chemical and Computational Studies on the Regioselectivity, Adduct Rearrangement, and Mechanistic Pathways. <i>Journal of Organic Chemistry</i> , 2000, 65, 8882-8892.	3.2	20
50	Reduction of isothiocyanates to thioformamides with tri-n-butyltin hydride. <i>Tetrahedron Letters</i> , 1990, 31, 2467-2470.	1.4	19
51	A novel highly diastereoselective synthesis of chiral dihydrothiophenes from mesoionic compounds. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 2213-2214.	2.0	19
52	Conjugate additions of heteronucleophiles to enones and alkynoates. A "benign by design"™ functionalization of heteroaromatics. <i>Green Chemistry</i> , 2001, 3, 26-29.	9.0	19
53	Symmetry breaking: an epistemological note. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 3171-3175.	1.8	19
54	A new synthesis of 6-oxopyrimidinium-4-olates. Theoretical study of the regioselective cycloaddition of arylisocyanates with a 1,3-thiazolium-4-olate system. <i>Tetrahedron</i> , 1992, 48, 4193-4208.	1.9	18

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55	A facile and expeditious entry to acyclic carbohydrate-derived 1,2-diazabutadienes. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 945-956.	1.8	18
56	Conformation of Secondary Amides. A Predictive Algorithm That Correlates DFT-Calculated Structures and Experimental Proton Chemical Shifts. <i>Journal of Organic Chemistry</i> , 2003, 68, 1834-1842.	3.2	18
57	Optically active sugar thioamides from $\beta$ -gluconolactone. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 1985-1995.	1.8	17
58	Three- and Four-Membered Rings from Cycloadditions of 1,3-Thiazolium-4-olates and Aldehydes. <i>Chemistry - A European Journal</i> , 2001, 7, 3033-3042.	3.3	17
59	A novel regio- and highly stereoselective anomeric deacetylation of 2-aminosugar derivatives. <i>Tetrahedron Letters</i> , 1993, 34, 1359-1362.	1.4	16
60	Cycloadditions with clays and alumina without solvents. <i>Tetrahedron Letters</i> , 1998, 39, 2013-2016.	1.4	16
61	Schiff bases from d-glucosamine and aliphatic ketones. <i>Carbohydrate Research</i> , 2010, 345, 23-32.	2.3	16
62	Synthesis of d-ribo-C-nucleoside analogues by dehydration of new d-allo-pentitol-1-yl heterocycles. <i>Carbohydrate Research</i> , 1985, 143, 129-141.	2.3	15
63	1,3-Dipolar Cycloaddition of 2-Dialkylaminothioisom $\alpha$ 1,4nchnones with Aliphatic Aldehydes: A Synthesis of $\beta$ -Lactams and Thiranes, Structure Elucidation, and Rationale for Chemoselective Fragmentation of Cycloadducts. <i>Journal of Organic Chemistry</i> , 2003, 68, 6338-6348.	3.2	15
64	An efficient and regioselective synthesis of acyclic C-nucleosides from mesoionic compounds. <i>Carbohydrate Research</i> , 1989, 186, C7-C8.	2.3	14
65	Stepwise Cycloadditions of Mesoionic Systems: $\alpha$ Thionation of Thioisom $\alpha$ 1,4nchnones by Isothiocyanates. <i>Organic Letters</i> , 2008, 10, 1079-1082.	4.6	14
66	Non-biaryl atropisomers derived from carbohydrates. Part 2. Atropisomeric behavior of monocyclic and bicyclic imidazolidine-2-ones and 2-thiones. <i>Tetrahedron</i> , 1999, 55, 4401-4426.	1.9	13
67	The First Density Functional Study on the [4 + 2]-Cycloaddition Reactions of 1,2-Diaza-1,3-butadiene with Alkenes. <i>Journal of Organic Chemistry</i> , 2000, 65, 8251-8259.	3.2	13
68	Synthesis of Dihydrothiophenes by an Amino-Directed Thioisom $\alpha$ 1,4nchnone $\alpha$ -Alkene Cycloaddition Reaction. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 2135-2144.	2.4	13
69	Experimental and Theoretical Insights Regarding the Cycloaddition Reaction of Carbohydrate-Based 1,2-Diaza-1,3-butadienes and Acrylonitrile. A Model Case for the Behavior of Chiral Azoalkenes and Unsymmetric Olefins. <i>Journal of Organic Chemistry</i> , 2002, 67, 2241-2251.	3.2	13
70	Chiral <i>N</i> -Acylloxazolidines: Synthesis, Structure, and Mechanistic Insights. <i>Journal of Organic Chemistry</i> , 2008, 73, 661-672.	3.2	13
71	Dissecting Competitive Mechanisms: Thionation vs. Cycloaddition in the Reaction of Thioisom $\alpha$ 1,4nchnones with Isothiocyanates under Microwave Irradiation. <i>Journal of Organic Chemistry</i> , 2009, 74, 7644-7650.	3.2	13
72	Structure of Adducts of 2-Arylaminothiazolines with Isocyanates and Isothiocyanates. <i>Heterocycles</i> , 1993, 35, 1237.	0.7	13

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73	Unexpected formation of $\beta$ -lactams and penem isosteres from mesoionics: sequential ring-opening/rearrangement of [3 + 2] cycloadducts. <i>Chemical Communications</i> , 1999, , 1589-1590.	4.1	12
74	Non-biaryl atropisomers derived from carbohydrates. Part 3: Rotational isomerism of sterically hindered heteroaryl imidazolidine-2-ones and 2-thiones. <i>Tetrahedron</i> , 2005, 61, 7931-7944.	1.9	12
75	Push-pull 1,3-thiazolium-5-thiolates. Formation via concerted and stepwise pathways, and theoretical evaluation of NLO properties,. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 5367.	2.8	12
76	Understanding Diastereofacial Selection in Carbohydrate-Based Domino Cycloadditions: Semiempirical and DFT Calculations. <i>Chemistry - A European Journal</i> , 2000, 6, 267-277.	3.3	11
77	Thionation of Mesoionics with Isothiocyanates: Evidence Supporting a Four-Step Domino Process and Ruling Out a [2 + 2] Mechanism. <i>Journal of Organic Chemistry</i> , 2009, 74, 3698-3705.	3.2	11
78	Syntheses of partially protected d-galactopyranosylthioureas: New d-galactopyranosylimidazoline-2-thiones and d-galactopyranosylaminothiazoles. <i>Carbohydrate Research</i> , 1989, 193, 314-321.	2.3	10
79	Oxidation of enamines derived from sugars. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1989, , 1923-1926.	0.9	10
80	Asymmetric tandem reactions based on nitroalkenes: a one-pot construction of functionalized chiral bicycles by a three-component reaction. <i>Chemical Communications</i> , 1998, , 459-460.	4.1	10
81	Carbohydrates as chiral controllers: synthesis of dihydrothieno[2,3-c]furanones. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 2261-2264.	1.8	10
82	A one-pot domino reaction in constructing isoorotate bases and their nucleosides. <i>Tetrahedron Letters</i> , 2006, 47, 1989-1992.	1.4	10
83	Non-covalent derivatization of aminosilanized titanium alloy implants. <i>Surface and Coatings Technology</i> , 2014, 245, 66-73.	4.8	10
84	Stepwise Formation of 1,3-Diazolium-4-thiolates by $\beta$ -ketoimino Cycloadditions: Promising Candidates for Nonlinear Optics. <i>Journal of Organic Chemistry</i> , 2014, 79, 4201-4205.	3.2	10
85	A further look at $\pi$ -delocalization and hydrogen bonding in 2-arylmaldialdehydes. <i>Tetrahedron</i> , 2016, 72, 95-104.	1.9	10
86	On the asymmetric autocatalysis of aldol reactions: The case of 4-nitrobenzaldehyde and acetone. A critical appraisal with a focus on theory. <i>Chirality</i> , 2018, 30, 445-456.	2.6	10
87	From prebiotic chemistry to supramolecular oligomers: urea-glyoxal reactions. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5826-5838.	2.8	10
88	Synthesis of sugar N-(2-thiazolin-2-yl)thioureas. <i>Carbohydrate Research</i> , 1990, 198, 247-258.	2.3	9
89	A cycloaddition strategy for the synthesis of thiirane-containing glycomimetics. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 2265-2268.	1.8	9
90	Reactivity of 2-methyl thioisom $\beta$ -ketoimino with acid chlorides. <i>Tetrahedron Letters</i> , 2003, 44, 4657-4660.	1.4	9

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91	Pseudo-cyclic structures of mono- and di-azaderivatives of malondialdehydes. Synthesis and conformational disentanglement by computational analyses. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8997-9010.	2.8	9
92	Rethinking Aromaticity in H-Bonded Systems. Caveats for Transition Structures Involving Hydrogen Transfer and $\pi$ -Delocalization. <i>Journal of Physical Chemistry A</i> , 2015, 119, 525-534.	2.5	9
93	Reaction of Glycosylisothiocyanates with 2-Chloroethylamine. Synthesis and Structure of N-Nucleoside Analogues. <i>Nucleosides &amp; Nucleotides</i> , 1990, 9, 137-149.	0.5	8
94	Atropisomeric carbohydrate imidazolidines: a novel class of nonbiaryl atropisomers. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 4071-4074.	1.8	8
95	Non-Dipolar Behavior of Mesoionic Heterocycles: Synthesis and Tautomerism of 2-Alkylthioisoquinolones. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 2805-2811.	2.4	8
96	An Anomeric Effect Drives the Regiospecific Ring-Opening of 1,3-Oxazolidines under Acetylating Conditions. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5263-5273.	2.4	8
97	Schiff Bases from TRIS and Formylpyridines: Structure and Mechanistic Rationale Aided by DFT Calculations. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6224-6232.	2.4	8
98	Prebiotic-Like Condensations of Cyanamide and Glyoxal: Revisiting Intractable Biotars. <i>Chemistry - A European Journal</i> , 2016, 22, 13632-13642.	3.3	8
99	Sonochemical cycloadditions of o-quinones. The search for a cation radical pathway. <i>Tetrahedron Letters</i> , 2000, 41, 4101-4105.	1.4	7
100	Novel Acid-Catalyzed Rearrangement of Tetrahydro-1,2,3,4-tetrazines: Unexpected Formation of Glycosazones. <i>Journal of Organic Chemistry</i> , 2002, 67, 2378-2381.	3.2	7
101	On the enhanced reactivity and selectivity of triazole formation in molecular flasks. A theoretical rationale. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7638.	2.8	7
102	Hydrazones from hydroxy naphthaldehydes and N-aminoheterocycles: structure and stereodynamics. <i>Tetrahedron</i> , 2011, 67, 2025-2034.	1.9	7
103	What Does Elementary Chirality Have to Do with Neutrinos?. <i>ChemPhysChem</i> , 2002, 3, 1001-1003.	2.1	6
104	Generation and fate of a novel homochiral mesoionic dipole: synthesis of C-nucleoside analogs. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 223-226.	1.8	6
105	Non-biaryl atropisomers derived from carbohydrates. Part 4: Absolute stereochemistry of carbohydrate-based imidazolidine-2-ones and 2-thiones with axial and central chirality. <i>Tetrahedron</i> , 2005, 61, 7945-7959.	1.9	6
106	Construction of C-nucleosides diversified by [3+2] cycloaddition from a sugar-based mesoionic ring. <i>Tetrahedron</i> , 2006, 62, 6909-6917.	1.9	6
107	An efficient and highly diastereoselective synthesis of C-glycosylated 1,3-oxazolidines from N-methyl-D-glucamine. <i>Tetrahedron</i> , 2008, 64, 6377-6386.	1.9	6
108	Hydrazones from hydroxy naphthaldehydes. Part 2. Condensations with aromatic N-aminoheterocycles and elucidation of tautomeric structures. <i>Tetrahedron</i> , 2014, 70, 2319-2329.	1.9	6

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109	A bioinspired look at the glucosinolate metabolic pathway. Structural insights into the reaction of benzyl isothiocyanate and d-glucosamine. <i>Tetrahedron</i> , 2011, 67, 7811-7820.	1.9	5
110	Computational insights into cycloadditions of thioisom <sup>1</sup> / <sub>4</sub> nchnones with acetylenes: how does sulfur escape from cycloadducts?. <i>Tetrahedron</i> , 2016, 72, 4665-4670.	1.9	5
111	Assessing stereoelectronic effects in dipolar cycloadditions yielding fused thiazolopyridone rings. <i>Tetrahedron</i> , 2017, 73, 1551-1560.	1.9	5
112	On the reactivity of 2-alkyl-1,3-thiazolium-4-olates toward electrophiles. <i>Tetrahedron</i> , 2006, 62, 11979-11986.	1.9	4
113	Unusual Aryl Migration in a Mesomeric Betaine in the Solid and Liquid State: Mechanistic Insights into the S <sub>N</sub> Ar Reaction. <i>Journal of Organic Chemistry</i> , 2010, 75, 4300-4303.	3.2	4
114	A simple, CIP-based notation system for the unambiguous specification of asymmetric reactions. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 2333-2342.	1.8	3
115	On the Prebiotic Synthesis of <sup>D</sup> Sugars Catalyzed by <sup>L</sup> Peptides: Assessments from First Principles Calculations. <i>Chemistry - A European Journal</i> , 2012, 18, 8795-8799.	3.3	3
116	Formation of Cyanamide Glyoxal Oligomers in Aqueous Environments Relevant to Primeval and Astrochemical Scenarios: A Spectroscopic and Theoretical Study. <i>Chemistry - A European Journal</i> , 2018, 24, 4069-4085.	3.3	3
117	NMR studies and semiempirical calculations on the structure of glycoamidines. <i>Tetrahedron</i> , 1996, 52, 9263-9274.	1.9	2
118	A new model for mapping the peptide backbone: predicting proton chemical shifts in proteins. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 857-863.	2.8	2
119	Fast and reliable location of stationary points in a reaction path. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 77-82.	1.9	2
120	On the Plausibility of Pseudosugar Formation in Cometary Ices and Oxygen-rich Tholins. <i>Origins of Life and Evolution of Biospheres</i> , 2016, 46, 31-49.	1.9	2
121	A quantitative structure-reactivity relationship in N-acetyl oxazolidines: an electrostatic interaction controls rotamer population. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3279.	2.8	1
122	On the anomeric preference of the isothiocyanato group. <i>New Journal of Chemistry</i> , 2021, 45, 14111-14125.	2.8	1
123	Reactivity of 2-Methyl Thioisomuenchnone with Acid Chlorides.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
124	1,3-Dipolar Cycloaddition of 2-Dialkylaminothioisomuenchnones with Aliphatic Aldehydes: Synthesis of Î <sup>2</sup> -Lactams and Thiiranes, Structure Elucidation, and Rationale for Chemoselective Fragmentation of Cycloadducts.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
125	Symmetry Breaking: An Epistemological Note. <i>ChemInform</i> , 2005, 36, no.	0.0	0
126	Exploiting Synthetic Chemistry with Mesoionic Rings: Improvements Achieved with Thioisomuenchnones. <i>ChemInform</i> , 2005, 36, no.	0.0	0



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127	Synthesis of CxNy-rich polycyclic oligomers from primeval monomers in aqueous media. Physical Chemistry Chemical Physics, 2022, 24, 3632-3646.	2.8	0