

Alberto Avenzoza

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5012426/publications.pdf>

Version: 2024-02-01

148
papers

3,198
citations

159585

30
h-index

265206

42
g-index

162
all docs

162
docs citations

162
times ranked

2407
citing authors

#	ARTICLE	IF	CITATIONS
1	Serine versus Threonine Glycosylation: The Methyl Group Causes a Drastic Alteration on the Carbohydrate Orientation and on the Surrounding Water Shell. <i>Journal of the American Chemical Society</i> , 2007, 129, 9458-9467.	13.7	127
2	Investigations of La Rioja Terroir for Wine Production Using ¹ H NMR Metabolomics. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 3452-3461.	5.2	121
3	New Insights into GalNAc ⁶ Ser Motif: Influence of Hydrogen Bonding versus Solvent Interactions on the Preferred Conformation. <i>Journal of the American Chemical Society</i> , 2006, 128, 14640-14648.	13.7	78
4	A Thorough Study on the Use of Quantitative ¹ H NMR in Rioja Red Wine Fermentation Processes. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 2112-2118.	5.2	73
5	Deciphering the Non-Equivalence of Serine and Threonine Glycosylation Points: Implications for Molecular Recognition of the Tn Antigen by an anti-MUC1 Antibody. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9830-9834.	13.8	65
6	Development of a model to explain the influence of the solvent on the rate and selectivity of diels-alder reactions. <i>Journal of Physical Organic Chemistry</i> , 1991, 4, 48-52.	1.9	55
7	Selective Michael-Aldol Reaction by Use of Sterically Hindered Aluminum Aryloxides as Lewis Acids: An Easy Approach to Cyclobutane Amino Acids. <i>Organic Letters</i> , 2005, 7, 3597-3600.	4.6	51
8	Structure-Based Design of Potent Tumor-Associated Antigens: Modulation of Peptide Presentation by Single-Atom O/S or O/Se Substitutions at the Glycosidic Linkage. <i>Journal of the American Chemical Society</i> , 2019, 141, 4063-4072.	13.7	51
9	Enantioselective synthesis of (S)- and (R)-1-methylserines: application to the synthesis of (S)- and (R)-N-Boc-N,O-isopropylidene-1-methylserinals. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 949-957.	1.8	47
10	SN2 vs. E2 on quaternary centres: an application to the synthesis of enantiopure 2,2-amino acids. <i>Chemical Communications</i> , 2004, , 980-981.	4.1	47
11	Time Course of the Evolution of Malic and Lactic Acids in the Alcoholic and Malolactic Fermentation of Grape Must by Quantitative ¹ H NMR (qHNMR) Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 4715-4720.	5.2	47
12	Models for the use of .alpha.-amino acids as chiral auxiliaries in asymmetric Diels-Alder reactions. <i>Journal of Organic Chemistry</i> , 1991, 56, 6551-6555.	3.2	43
13	S-Michael Additions to Chiral Dehydroalanines as an Entry to Glycosylated Cysteines and a Sulfa-Tn Antigen Mimic. <i>Journal of the American Chemical Society</i> , 2014, 136, 789-800.	13.7	42
14	Detection of Tumor-Associated Glycopeptides by Lectins: The Peptide Context Modulates Carbohydrate Recognition. <i>ACS Chemical Biology</i> , 2015, 10, 747-756.	3.4	39
15	Preparation and Synthetic Applications of (S)- and (R)-N-Boc-N,O-isopropylidene-1-methylserinals: Asymmetric Synthesis of (S)- and (R)-2-Amino-2-methylbutanoic Acids (Iva). <i>Journal of Organic Chemistry</i> , 1999, 64, 8220-8225.	3.2	38
16	New synthesis of 7-azabicyclo[2.2.1]heptane-1-carboxylic acid. <i>Tetrahedron</i> , 2001, 57, 545-548.	1.9	38
17	Stereoselective Synthesis of Orthogonally Protected 1-Methylnorlanthionine. <i>Organic Letters</i> , 2006, 8, 2855-2858.	4.6	38
18	Synthesis of the four d,l-pairs of 2-amino-3-phenylnorbornane-2-carboxylic acids II. The use of 5(4H)-oxazolones as dienophiles.. <i>Tetrahedron</i> , 1993, 49, 677-684.	1.9	37

#	ARTICLE	IF	CITATIONS
19	Synthesis of new conformationally rigid phenylalanine analogues.. Tetrahedron, 1993, 49, 10987-10996.	1.9	37
20	Effect of Î²-O-Glucosylation on L-Ser and L-Thr Diamides: A Bias toward Î±-Helical Conformations. Chemistry - A European Journal, 2006, 12, 7864-7871.	3.3	36
21	Theoretical Evidence for Pyramidalized Bicyclic Serine Enolates in Highly Diastereoselective Alkylations. Chemistry - A European Journal, 2007, 13, 4840-4848.	3.3	36
22	Serine versus Threonine Glycosylation with Î±-GalNAc: Unexpected Selectivity in Their Molecular Recognition with Lectins. Chemistry - A European Journal, 2014, 20, 12616-12627.	3.3	36
23	Synthesis of a new enantiomerically pure constrained homoserine. Tetrahedron: Asymmetry, 1996, 7, 721-728.	1.8	35
24	Mucin architecture behind the immune response: design, evaluation and conformational analysis of an antitumor vaccine derived from an unnatural MUC1 fragment. Chemical Science, 2016, 7, 2294-2301.	7.4	35
25	Asymmetric synthesis of all isomers of Î±-methyl-Î²-phenylserine. Tetrahedron: Asymmetry, 2000, 11, 2195-2204.	1.8	33
26	The Use of Fluoroproline in MUC1 Antigen Enables Efficient Detection of Antibodies in Patients with Prostate Cancer. Journal of the American Chemical Society, 2017, 139, 18255-18261.	13.7	33
27	Water Sculpts the Distinctive Shapes and Dynamics of the Tumor-Associated Carbohydrate Tn Antigens: Implications for Their Molecular Recognition. Journal of the American Chemical Society, 2018, 140, 9952-9960.	13.7	33
28	SN2 Reaction of Sulfur Nucleophiles with Hindered Sulfamidates: Î± Enantioselective Synthesis of Î±-Methylisocysteine. Journal of Organic Chemistry, 2006, 71, 1692-1695.	3.2	32
29	Tn Antigen Mimics Based on ² -Iminosugars with Affinity for an anti-MUC1 Antibody. Organic Letters, 2016, 18, 3890-3893.	4.6	32
30	Asymmetric Diels-Alder Reactions of Chiral (E)-2-Cyanocinnamates. 2. Synthesis of the Four 1-Amino-2-phenyl-1-cyclohexanecarboxylic Acids in Enantiomerically Pure Form. Journal of Organic Chemistry, 1994, 59, 7774-7778.	3.2	31
31	exo-2-Phenyl-7-azabicyclo[2.2.1]heptane-1-carboxylic acid: A new constrained proline analogue. Tetrahedron Letters, 1995, 36, 7123-7126.	1.4	31
32	A straightforward synthesis of both enantiomers of Î±-vinylalanine and Î±-ethynylalanine. Tetrahedron: Asymmetry, 1999, 10, 4653-4661.	1.8	30
33	Regioselective Ring-Opening Metathesis Cross Metathesis of Bridgehead-Substituted 7-Azanorbornene. Organic Letters, 2007, 9, 1235-1238.	4.6	30
34	Synthesis of Cyclobutane Serine Analogues. Journal of Organic Chemistry, 2005, 70, 330-333.	3.2	29
35	Insights into the Geometrical Features Underlying Î²-GlcNAc Glycosylation: Water Pockets Drastically Modulate the Interactions between the Carbohydrate and the Peptide Backbone. Chemistry - A European Journal, 2009, 15, 7297-7301.	3.3	29
36	Bifunctional Chiral Dehydroalanines for Peptide Coupling and Stereoselective S-Michael Addition. Organic Letters, 2016, 18, 2796-2799.	4.6	29

#	ARTICLE	IF	CITATIONS
37	Correlations of rate and selectivity of a Diels-Alder reaction with Sp parameters. <i>Journal of Physical Organic Chemistry</i> , 1990, 3, 414-418.	1.9	28
38	Asymmetric Hetero Diels-Alder as an Access to Carbacephams. <i>Journal of Organic Chemistry</i> , 2002, 67, 598-601.	3.2	28
39	Reactivity of (Z)-4-arylidene-5(4H)-oxazolones: [4+2] cycloaddition versus [4+3] cycloaddition/nucleophilic trapping. <i>Tetrahedron Letters</i> , 2002, 43, 4167-4170.	1.4	28
40	A Convenient Enantioselective Synthesis of (S)- β -Trifluoromethylisoserine. <i>Journal of Organic Chemistry</i> , 2005, 70, 5721-5724.	3.2	28
41	Role of the Counteraction in Diastereoselective Alkylations of Pyramidalized Bicyclic Serine Enolates. An Easy Approach to β -Benzylserine. <i>Journal of Organic Chemistry</i> , 2007, 72, 5399-5402.	3.2	28
42	Cyclobutane Amino Acid Analogues of Furanomycin Obtained by a Formal [2 + 2] Cycloaddition Strategy Promoted by Methylaluminoxane. <i>Journal of Organic Chemistry</i> , 2010, 75, 545-552.	3.2	27
43	Asymmetric Diels-Alder reactions of chiral (E)-2-cyanocinnamates with cyclopentadiene. <i>Journal of Organic Chemistry</i> , 1992, 57, 4664-4669.	3.2	25
44	β -Turn modulation by the cyclohexane analogues of phenylalanine. <i>Tetrahedron Letters</i> , 1998, 39, 7841-7844.	1.4	25
45	Evidence of Metabolic Transformations of Amino Acids into Higher Alcohols through ^{13}C NMR Studies of Wine Alcoholic Fermentation. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 4923-4927.	5.2	25
46	Stereocontrolled Ring-Opening of a Hindered Sulfamidate with Nitrogen-Containing Aromatic Heterocycles: Synthesis of Chiral Quaternary Imidazole Derivatives. <i>Journal of Organic Chemistry</i> , 2011, 76, 4034-4042.	3.2	25
47	NMR Study of Histidine Metabolism during Alcoholic and Malolactic Fermentations of Wine and Their Influence on Histamine Production. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 9464-9469.	5.2	25
48	Synthesis of β -hydroxy- β -amino acids by directed hydroxylation via a dihydro-1,3-oxazine intermediate.. <i>Tetrahedron</i> , 1994, 50, 10021-10028.	1.9	24
49	A new efficient synthesis of 2-phenyl-4-oxo-1-amino-cyclohexanecarboxylic acids. <i>Tetrahedron</i> , 1994, 50, 12989-12998.	1.9	24
50	New synthesis of all four 1-amino-2-hydroxycyclohexanecarboxylic acids. <i>Tetrahedron</i> , 2001, 57, 2745-2755.	1.9	24
51	Non-natural Amino Acids as Modulating Agents of the Conformational Space of Model Glycopeptides. <i>Chemistry - A European Journal</i> , 2008, 14, 7042-7058.	3.3	24
52	Rational design of a Tn antigen mimic. <i>Chemical Communications</i> , 2011, 47, 5319.	4.1	24
53	Synthesis, conformational analysis and <i>in vivo</i> assays of an anti-cancer vaccine that features an unnatural antigen based on an sp^2 -iminosugar fragment. <i>Chemical Science</i> , 2020, 11, 3996-4006.	7.4	24
54	Asymmetric synthesis of conformationally constrained 4-hydroxyprolines and their applications to the formal synthesis of (+)-epibatidine. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 3999-4007.	1.8	23

#	ARTICLE	IF	CITATIONS
55	A Novel Multistep Mechanism for the Stereocontrolled Ring Opening of Hindered Sulfamidates: Mild, Green, and Efficient Reactivity with Alcohols. <i>Chemistry - A European Journal</i> , 2009, 15, 9810-9823.	3.3	23
56	The use of 4-hetaryliden- and 4-arylidene-5-oxazolones as dienophiles. Appropriate reagents for the synthesis of cyclic analogues of natural amino acids. <i>Journal of Heterocyclic Chemistry</i> , 1997, 34, 1099-1110.	2.6	22
57	Synthesis of enantiopure analogues of 3-hydroxyproline and derivatives. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 625-632.	1.8	22
58	Highly chemoselective reactions on hindered sulfamidates with oxygenated nucleophiles. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 443-449.	1.8	22
59	The Nature and Sequence of the Amino Acid Aglycone Strongly Modulates the Conformation and Dynamics Effects of Tn Antigen's Clusters. <i>Chemistry - A European Journal</i> , 2009, 15, 3863-3874.	3.3	22
60	A Biomimetic Approach to Lanthionines. <i>Organic Letters</i> , 2012, 14, 334-337.	4.6	21
61	A Double Diastereoselective Michael-Type Addition as an Entry to Conformationally Restricted Tn Antigen Mimics. <i>Journal of Organic Chemistry</i> , 2013, 78, 10968-10977.	3.2	21
62	Asymmetric synthesis of meso- and (2R,4R)-2,4-diaminoglutaric acids. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 863-871.	1.8	20
63	Chemoselectivity Control in the Reactions of 1,2-Cyclic Sulfamidates with Amines. <i>Chemistry - A European Journal</i> , 2013, 19, 6831-6839.	3.3	20
64	Design of α -S-Neoglycopeptides Derived from MUC1 with a Flexible and Solvent-Exposed Sugar Moiety. <i>Journal of Organic Chemistry</i> , 2016, 81, 5929-5941.	3.2	20
65	5(4H)-Oxazolones as Dienophiles in the Synthesis of 2-Amino-2-bicycloalkanecarboxylic Acids. <i>Synthesis</i> , 1990, 1990, 1114-1116.	2.3	19
66	Convenient Procedures for the Synthesis of N-BOC-D-Serinal Acetonide from L-Serine. <i>Synthesis</i> , 1997, 1997, 1146-1150.	2.3	19
67	An alternative approach to (S)- and (R)-2-methylglycidol O-benzyl ether derivatives. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1383-1388.	1.8	19
68	Conformational Analysis of 2-Substituted Cyclobutane- α -amino Acid Derivatives. A Synergistic Experimental and Computational Study. <i>Journal of Organic Chemistry</i> , 2006, 71, 1869-1878.	3.2	19
69	Ring-Rearrangement Metathesis of 1-Substituted 7-Azanorbornenes as an Entry to 1-Azaspiro[4.5]decane systems. <i>Journal of Organic Chemistry</i> , 2011, 76, 3381-3391.	3.2	19
70	Engineering α -Glycosylation Points in Non-extended Peptides: Implications for the Molecular Recognition of Short Tumor-Associated Glycopeptides. <i>Chemistry - A European Journal</i> , 2011, 17, 3105-3110.	3.3	19
71	On the synthesis of 3(5)-carbomethoxy-4-hetarylpyrazoles. <i>Journal of Heterocyclic Chemistry</i> , 1988, 25, 851-855.	2.6	18
72	Synthesis of a New Constrained Homoserine. <i>Synlett</i> , 1995, 1995, 891-892.	1.8	18

#	ARTICLE	IF	CITATIONS
73	Synthesis of enantiopure ($\hat{1}\pm$ Me)Dip and other $\hat{1}\pm$ -methylated $\hat{1}^2$ -branched amino acid derivatives. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 399-405.	1.8	18
74	Understanding the Unusual Regioselectivity in the Nucleophilic Ring-Opening Reactions of gem-Disubstituted Cyclic Sulfates. Experimental and Theoretical Studies. <i>Journal of Organic Chemistry</i> , 2003, 68, 4506-4513.	3.2	18
75	Reactivity of 2-acylaminoacrylates with ketene diethyl acetal; [2 + 2] cycloadditions vs. tandem condensations. Electronic supplementary information (ESI) available: general procedures. See http://www.rsc.org/suppdata/cc/b3/b302000b/ . <i>Chemical Communications</i> , 2003, , 1376.	4.1	18
76	Diastereoselective Synthesis of (S)- and (R)- $\hat{1}\pm$ -Phenylserine by a Sulfinimine-Mediated Strecker Reaction. <i>Synthesis</i> , 2005, 2005, 575-578.	2.3	18
77	Synthesis of Mixed $\hat{1}\pm/\hat{1}^2$ -Peptides by Site-Selective Ring-Opening of Cyclic Quaternary Sulfamidates. <i>Organic Letters</i> , 2015, 17, 5804-5807.	4.6	18
78	Synthesis of the four dl-pairs of 2-amino-3-phenylbornane-2-carboxylic acids. <i>Tetrahedron</i> , 1989, 45, 3923-3934.	1.9	17
79	New Efficient Synthesis of 4-Amino-3-arylphenols. <i>Synthesis</i> , 1995, 1995, 671-674.	2.3	17
80	Resolution of (1R,2R)- and (1S,2S)-cyclic constrained phenylalanine analogues (c6Phe). Conformations of (1R,2R)- and (1S,2S)-c6Phe containing peptides. <i>Tetrahedron</i> , 1998, 54, 11659-11674.	1.9	17
81	Synthesis of 1-amino-4-hydroxycyclohexane-1-carboxylic acids. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999, , 3375-3379.	0.9	17
82	Incorporation of Ahc into Model Dipeptides as an Inducer of a $\hat{1}^2$ -Turn with a Distorted Amide Bond. Conformational Analysis. <i>Journal of Organic Chemistry</i> , 2002, 67, 4241-4249.	3.2	17
83	$\hat{1}\pm$ -Methylserinals as an access to $\hat{1}\pm$ -methyl- $\hat{1}^2$ -hydroxyamino acids: application in the synthesis of all stereoisomers of $\hat{1}\pm$ -methylthreonine. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 719-724.	1.8	17
84	Synthesis of meso-2,4-diaminoglutaric acid.. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 1555-1558.	1.8	16
85	Cell-Penetrating Peptides Containing Fluorescent Cysteines. <i>Chemistry - A European Journal</i> , 2018, 24, 7991-8000.	3.3	16
86	Natural amino acids as chiral auxiliaries in asymmetric Diels-Alder reactions. <i>Canadian Journal of Chemistry</i> , 1988, 66, 2826-2829.	1.1	15
87	Molecular Recognition of $\hat{1}^2$ -O-GlcNAc Glycopeptides by a Lectin-Like Receptor: Binding Modulation by the Underlying Ser or Thr Amino Acids. <i>ChemBioChem</i> , 2011, 12, 110-117.	2.6	15
88	Synthesis and Conformational Analysis of Hybrid $\hat{1}\pm/\hat{1}^2$ -Dipeptides Incorporating $\hat{1}^2$ -Glycosylated Amino Acids. <i>Chemistry - A European Journal</i> , 2015, 21, 1156-1168.	3.3	15
89	Synthesis of enantiomerically pure constrained $\hat{1}^3$ -hydroxy- $\hat{1}\pm$ -amino acids by directed hydroxylation. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 1123-1129.	1.8	14
90	Stabilizing unusual conformations in small peptides and glucopeptides using a hydroxylated cyclobutane amino acid. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2885.	2.8	14

#	ARTICLE	IF	CITATIONS
91	Quaternary Chiral β -Amino Acids with Pyridinium and Imidazolium Substituents. <i>Chemistry - A European Journal</i> , 2012, 18, 15822-15830.	3.3	14
92	Reaction of 2,3-dimethyl-1,3-butadiene with chiral (E)-2-cyanocinnamates.. <i>Tetrahedron: Asymmetry</i> , 1992, 3, 913-919.	1.8	13
93	Synthesis of a new type of conformationally constrained α,β -disubstituted- β -amino acids and β -lactams in enantiomerically pure form. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 1409-1418.	1.8	13
94	Addition of organolithium reagents to AHC methyl ester. An approach to new α -amino ketones. <i>Tetrahedron</i> , 2002, 58, 10167-10171.	1.9	13
95	Enantiopure Synthesis of All Four Stereoisomers of Carbapenam-3-carboxylic Acid Methyl Ester. <i>Journal of Organic Chemistry</i> , 2003, 68, 2889-2894.	3.2	13
96	Synthesis of 2-methyl- and 2-methylenecyclobutane amino acids. <i>Tetrahedron</i> , 2005, 61, 4165-4172.	1.9	13
97	Synthesis of Azabicyclo[2.2.n]alkane Systems as Analogues of 3-[1-Methyl-2-(S)-pyrrolidinyl-methoxy]pyridine (A-84543). <i>Journal of Organic Chemistry</i> , 2007, 72, 3112-3115.	3.2	13
98	Conformational Effects of the Non-natural α -Methylserine on Small Peptides and Glycopeptides. <i>Journal of Organic Chemistry</i> , 2009, 74, 9305-9313.	3.2	13
99	Dynamics and Hydration Properties of Small Antifreeze-like Glycopeptides Containing Non-natural Amino Acids. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 3525-3532.	2.4	13
100	Proton Nuclear Magnetic Resonance Spectroscopy as a Technique for Gentamicin Drug Susceptibility Studies with <i>Escherichia coli</i> ATCC 25922. <i>Journal of Clinical Microbiology</i> , 2015, 53, 2433-2438.	3.9	13
101	Conformationally-locked C-glycosides: tuning aglycone interactions for optimal chaperone behaviour in Gaucher fibroblasts. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1473-1484.	2.8	13
102	Synthesis of α -Substituted α,β -Diamino Acids via Stereoselective α -Michael Additions to a Chiral Bicyclic Dehydroalanine. <i>Journal of Organic Chemistry</i> , 2020, 85, 3134-3145.	3.2	13
103	Toward Enantiomerically Pure β -Seleno- α -amino Acids via Stereoselective α -Michael Additions to Chiral Dehydroalanines. <i>Organic Letters</i> , 2021, 23, 1955-1959.	4.6	13
104	Reaction of cyclopentadiene with (E)-2-cyanocinnamate of (S)-ethyl lactate.. <i>Tetrahedron: Asymmetry</i> , 1990, 1, 765-768.	1.8	12
105	New syntheses of enantiopure 2-methyl isoserines. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 131-137.	1.8	12
106	A Highly Regioselective Ring-Opening Metathesis-Cross Metathesis Process Modulated by the Electronic Effects of the Cross Metathesis Partner: An Entry to Quaternary Prolines. <i>Journal of Organic Chemistry</i> , 2009, 74, 1736-1739.	3.2	12
107	Ring-Rearrangement Metathesis of β -Azabornenes as an Entry to α -Azabicyclo[α .n.3.0]alkenones. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3817-3824.	2.4	12
108	Tn Antigen Mimics by Ring-Opening of Chiral Cyclic Sulfamidates with Carbohydrate C1- α - and C1- β -Nucleophiles. <i>Journal of Organic Chemistry</i> , 2018, 83, 4973-4980.	3.2	12

#	ARTICLE	IF	CITATIONS
109	Conformational Preferences of Chiral Acyclic Homooligomeric α -Peptides. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 1225-1234.	2.1	11
110	Synthesis of a new conformationally constrained glycoamino acid building block. <i>Tetrahedron Letters</i> , 2003, 44, 6413-6416.	1.4	10
111	Conformational analysis of N-Boc-N,O-isopropylidene- α -serinals. A combined DFT and NMR study. <i>Tetrahedron</i> , 2003, 59, 5713-5718.	1.9	10
112	α -Alkylation versus retro-O-Michael/ β -alkylation of bicyclic N,O-acetals: an entry to α -methylthreonine. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2829-2834.	1.8	10
113	A Domino Michael/Dieckmann Process as an Entry to α -(Hydroxymethyl)glutamic Acid. <i>Journal of Organic Chemistry</i> , 2011, 76, 6990-6996.	3.2	10
114	Substituent Effects on the Reactivity of Cyclic Tertiary Sulfamidates. <i>Journal of Organic Chemistry</i> , 2017, 82, 13250-13255.	3.2	10
115	Synthesis of conformationally constrained hydroxy- α -amino acids by intramolecular conjugate addition. <i>Amino Acids</i> , 2000, 18, 117-127.	2.7	9
116	β -Turn modulation by the incorporation of c6Ser into Xaa-Pro dipeptide. <i>Tetrahedron Letters</i> , 2002, 43, 1429-1432.	1.4	9
117	Mechanistic study of the ring-size modulation in Michael-Dieckmann type reactions of 2-acylaminoacrylates with ketene diethyl acetal. <i>New Journal of Chemistry</i> , 2007, 31, 224-229.	2.8	9
118	The use of 1-amino-2-phenyl-1-cyclohexanecarboxylic acids as chiral auxiliaries in asymmetric Diels-Alder reactions. <i>Tetrahedron</i> , 1996, 52, 4839-4848.	1.9	8
119	Synthesis, activity and theoretical study of ABT-418 analogues. <i>Tetrahedron</i> , 2002, 58, 4505-4511.	1.9	8
120	Synthesis of 7-azabicyclo[2.2.1]heptane derivatives via bridgehead radicals. <i>Tetrahedron</i> , 2002, 58, 1193-1197.	1.9	8
121	Diastereoselective synthesis of protected 4-epi-vancosamine from (S)-N-Boc-N,O-isopropylidene- α -methylserinal. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1037-1043.	1.8	8
122	Nuclear magnetic resonance applied to antimicrobial drug susceptibility. <i>Future Microbiology</i> , 2013, 8, 537-547.	2.0	8
123	Asymmetric synthesis of exo-norbornane-2-carboxylic acids. <i>Tetrahedron: Asymmetry</i> , 1992, 3, 343-346.	1.8	7
124	Structure-based Design of Anti-cancer Vaccines: The Significance of Antigen Presentation to Boost the Immune Response. <i>Current Medicinal Chemistry</i> , 2022, 29, 1258-1270.	2.4	7
125	Unequivocal Synthesis of the Four, l-Pairs of 3-Substituted 2-Aminonorbornane-2-carboxylic Acids. <i>Bulletin of the Chemical Society of Japan</i> , 1989, 62, 3766-3767.	3.2	6
126	Ab initio calculations for N-methyl-1-(N ² -acetyl-amino)- α -2-phenylcyclohexane- α -1-carboxamide: a β -turn mimetic. <i>Tetrahedron</i> , 1999, 55, 1399-1406.	1.9	6

#	ARTICLE	IF	CITATIONS
127	SN2 vs E2 on Quaternary Centers: An Easy Approach to Chiral β , γ -Amino Acids from Cyclic Sulfamidates. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 1459-1460.	1.6	5
128	Influence of Amino Acid Stereocenters on the Formation of Bicyclic β -N, γ -Acetals. Journal of Organic Chemistry, 2014, 79, 2556-2563.	3.2	5
129	Oxygen by Carbon Replacement at the Glycosidic Linkage Modulates the Sugar Conformation in Tn Antigen Mimics. ACS Omega, 2018, 3, 18142-18152.	3.5	5
130	Solvent-based strategy improves the direct determination of key parameters in edible fats and oils by ^1H NMR. Journal of the Science of Food and Agriculture, 2020, 100, 1726-1734.	3.5	5
131	Monitoring of the Rioja red wine production process by ^1H NMR spectroscopy. Journal of the Science of Food and Agriculture, 2022, 102, 3808-3816.	3.5	5
132	Synthesis and conformational analysis of neoglycoconjugates derived from O- and S-glucose. Carbohydrate Research, 2013, 373, 1-8.	2.3	4
133	Aspartame analogues containing 1-amino-2-phenylcyclohexanecarboxylic acids (c6Phe). Tetrahedron, 2002, 58, 4899-4905.	1.9	3
134	Applications of ^1H Nuclear Magnetic Resonance Spectroscopy in Clinical Microbiology. , 2016, , .		3
135	Bioorthogonal Self-Immolative Linker Based on Grob Fragmentation. Organic Letters, 2021, 23, 8580-8584.	4.6	3
136	Synthesis of 2-amino-1,3-diols incorporating the cyclobutane ring. Tetrahedron, 2008, 64, 9088-9092.	1.9	2
137	Nuclear Magnetic Resonance (NMR) as a tool for the study of the metabolism of Rickettsia slovaca. Microbes and Infection, 2015, 17, 850-855.	1.9	2
138	Cyclobutane serine amino acid derivatives as 5-hydroxyproline precursors. Arkivoc, 2009, 2010, 191-202.	0.5	2
139	Synthesis of β , γ -Amino Acids by Stereoselective Alkylation of Isoleucine Derivatives Followed by Nucleophilic Ring Opening of Quaternary Sulfamidates. Journal of Organic Chemistry, 2022, 87, 8730-8743.	3.2	2
140	Synthesis of methyl 2-exo-cyano-3-exo-phenyl-5,6-endo (or) (exo)-epoxybicyclo[2.2.1]heptane Asymmetry, 1993, 4, 1677-1682.	1.8	1
141	Formal [2+2] Cycloaddition of 2-(Acylamino)acrylates with Vinyl Sulfides: An Approach to Cyclobutane β -Amino Acids as S-Phenylcysteine Analogues. Synthesis, 2008, 2008, 743-746.	2.3	1
142	Synthesis of Enantiopure Quaternary Prolines by a Metathesis Process of 2,5-Ethenoproline Derivatives. Synthesis, 2010, 2010, 3353-3357.	2.3	1
143	Cyclohexane Ring as a Tool to Select the Presentation of the Carbohydrate Moiety in Glycosyl Amino Acids. Chemistry - A European Journal, 2012, 18, 5096-5104.	3.3	1
144	Conformational Analysis of Peptides and Glycopeptides Derived from the Consensus Sequence for β -O-Glycosylation. Current Topics in Medicinal Chemistry, 2015, 14, 2712-2721.	2.1	1

#	ARTICLE	IF	CITATIONS
145	Addition of Organolithium Reagents to Amino Methyl Ester. An Approach to New α -Amino Ketones.. ChemInform, 2003, 34, no.	0.0	0
146	Reactivity of 2-Acyaminoacrylates with Ketene Diethyl Acetal; [2 + 2] Cycloadditions vs. Tandem Condensations.. ChemInform, 2003, 34, no.	0.0	0
147	Selective Michael-Aldol Reaction by Use of Sterically Hindered Aluminum Aryloxides as Lewis Acids: An Easy Approach to Cyclobutane Amino Acids.. ChemInform, 2005, 36, no.	0.0	0
148	Strategies for the Synthesis of Selenocysteine Derivatives. Synthesis, 0, , .	2.3	0