Eusebio Juaristi

List of Publications by Year
in descending order

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192 papers	6,649 citations	70961 41 h-index	88477 70 g-index
211 all docs	211 docs citations	211 times ranked	4096 citing authors

#	Article	IF	Citations
1	Recent studies of the anomeric effect. Tetrahedron, 1992, 48, 5019-5087.	1.0	535
2	Recent efforts directed to the development of more sustainable asymmetric organocatalysis. Chemical Communications, 2012, 48, 5396.	2.2	237
3	Addition of Chiral Glycine, Methionine, and Vinylglycine Enolate Derivatives to Aldehydes and Ketones in the Preparation of Enantiomerically Pure ?-Amino-?-Hydroxy Acids. Helvetica Chimica Acta, 1987, 70, 237-261.	1.0	198
4	Recent Advances in the Enantioselective Synthesis of Î²-Amino Acids. Current Medicinal Chemistry, 1999, 6, 983-1004.	1.2	193
5	Recent applications of Î±-phenylethylamine (Î±-PEA) in the preparation of enantiopure compounds. Part 3: Î±-PEA as chiral auxiliary. Part 4: Î±-PEA as chiral reagent in the stereodifferentiation of prochiral substrates. Tetrahedron: Asymmetry, 1999, 10, 2441-2495.	1.8	173
6	Enantioselective Aldol and Michael Additions of Achiral Enolates in the Presence of Chiral Lithium Amides and Amines. Synthesis, 1993, 1993, 1271-1290.	1.2	169
7	Asymmetric Aldol Reaction Organocatalyzed by (S)-Proline-Containing Dipeptides: Improved Stereoinduction under Solvent-Free Conditions. Journal of Organic Chemistry, 2011, 76, 1464-1467.	1.7	166
8	Recent applications of Î±-phenylethylamine (Î±-PEA) in the preparation of enantiopure compounds. Part 1: Incorporation in chiral catalysts. Part 2: Î±-PEA and derivatives as resolving agents. Tetrahedron: Asymmetry, 1998, 9, 715-740.	1.8	147
9	Mechanochemical and Mechanoenzymatic Synthesis of Pharmacologically Active Compounds: A Green Perspective. ACS Sustainable Chemistry and Engineering, 2020, 8, 8881-8893.	3.2	125
10	Solvent-free asymmetric aldol reaction organocatalyzed by (S)-proline-containing thiodipeptides under ball-milling conditions. Tetrahedron, 2012, 68, 92-97.	1.0	119
11	Structure and Reactivity of Five- and Six-Ring N, N-, N, O-, and O, O-acetals: A lesson in allylic 1, 3-strain (A1, 3strain). Helvetica Chimica Acta, 1992, 75, 913-934.	1.0	114
12	Green Synthesis of Î±,Î²- and Î²,Î²-Dipeptides under Solvent-Free Conditions. Journal of Organic Chemistry, 2010, 75, 7107-7111.	1.7	110
13	Chiral 1,2-Amino Alcohols and 1,2-Diamines Derived from Cyclohexene Oxide: Recent Applications in Asymmetric Synthesis. Synlett, 2006, 2006, 2699-2715.	1.0	94
14	Efficient ball-mill procedure in the â€˜greenâ€™ asymmetric aldol reaction organocatalyzed by (S)-proline-containing dipeptides in the presence of water. Tetrahedron, 2011, 67, 6953-6959.	1.0	94
15	Manifestation of Stereoelectronic Effects on the Calculated Carbonâ‹¯Hydrogen Bond Lengths and One Bond1JC-HNMR Coupling Constants in Cyclohexane, Six-Membered Heterocycles, and Cyclohexanone Derivatives. Journal of the American Chemical Society, 2002, 124, 13088-13096.	6.6	92
16	Stereoelectronic Interpretation for the Anomalous 1H NMR Chemical Shifts and One-Bond C-H Coupling Constants (Perlin Effects) in 1,3-Dioxanes, 1,3-Oxathianes, and 1,3-Dithianes. Spectroscopic and Theoretical Observations. Journal of the American Chemical Society, 1994, 116, 5796-5804.	6.6	87
17	Use of 4-biphenylmethanol, 4-biphenylacetic acid and 4-biphenylcarboxylic acid/triphenylmethane as indicators in the titration of lithium alkyls. Study of the dianion of 4-biphenylmethanol. Journal of Organic Chemistry, 1983, 48, 2603-2606.	1.7	83
18	Enantioselective synthesis of .beta.-amino acids. 2. Preparation of the like stereoisomers of 2-methyl- and 2-benzyl-3-aminobutanoic acid. Journal of Organic Chemistry, 1992, 57, 2396-2398.	1.7	83

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19	Asymmetric synthesis of .beta.-amino acids. 1. Highly diastereoselective addition of a racemic .beta.-alanine enolate derivative to electrophiles. Journal of Organic Chemistry, 1991, 56, 2553-2557.	1.7	79
20	The attractive and repulsive gauche effects. Journal of Chemical Education, 1979, 56, 438.	1.1	75
21	Density Functional Calculation of 1JC-H Coupling Constants in Cyclohexane and Diheterocyclohexanes. Repercussion of Stereoelectronic Effects on Coupling Constants. Journal of Physical Chemistry A, 1999, 103, 932-937.	1.1	68
22	Stereoelectronic Interactions as a Probe for the Existence of the Intramolecular Î±-Effect. Journal of the American Chemical Society, 2017, 139, 10799-10813.	6.6	66
23	Enantioselective synthesis of Î²-amino acids. 7. Preparation of enantiopure Î±-substituted Î²-amino acids from 1-benzoyl-2(S)-tert-butyl-3-methylperhydropyrimidin-4-one.1,2. Tetrahedron: Asymmetry, 1996, 7, 2233-2246.	1.8	64
24	Improving the Catalytic Performance of (S)-Proline as Organocatalyst in Asymmetric Aldol Reactions in the Presence of Solvate Ionic Liquids: Involvement of a Supramolecular Aggregate. Organic Letters, 2017, 19, 1108-1111.	2.4	60
25	Recent applications of mechanochemistry in enantioselective synthesis. Tetrahedron Letters, 2019, 60, 1749-1757.	0.7	59
26	Synthesis of Ugi 4â€CR and Passerini 3â€CR Adducts under Mechanochemical Activation. European Journal of Organic Chemistry, 2016, 2016, 1095-1102.	1.2	54
27	Effect of Solvent on Aggregation and Reactivity of Two Lithium Enolates1. Organic Letters, 2000, 2, 3739-3741.	2.4	52
28	Use ofN,Nâ€²-Dimethylpropyleneurea (DMPU) as Solvent in the Efficient Preparation of Enantiomerically Pure Secondary Amines. Synthesis, 1993, 1993, 1243-1246.	1.2	50
29	Mechanochemical enzymatic resolution of N-benzylated-Î²3-amino esters. Beilstein Journal of Organic Chemistry, 2017, 13, 1728-1734.	1.3	50
30	Recent developments in next generation (S)-proline-derived chiral organocatalysts. Tetrahedron, 2021, 88, 132143.	1.0	50
31	Manifestations of Stereoelectronic Interactions in 1JCâ€“H One-Bond Coupling Constants. Accounts of Chemical Research, 2007, 40, 961-970.	7.6	49
32	The Origin of One-Bond C-H Coupling Constants in OCH Fragments: Not Primarily nOâ†'${{m sigma}{{ast hfill atop {m CH}hfill}}}$ Delocalization. Angewandte Chemie - International Edition, 2005, 44, 2360-2364.	7.2	48
33	Structurally simple chiral thioureas as chiral solvating agents in the enantiodiscrimination of Î±-hydroxy and Î±-amino carboxylic acids. Tetrahedron, 2007, 63, 7673-7678.	1.0	48
34	Organocatalytic activity of Î±,Î±-dipeptide derivatives of (S)-proline in the asymmetric aldol reaction in absence of solvent. Evidence for non-covalent Ï€â€“Ï€ interactions in the transition state. Tetrahedron Letters, 2015, 56, 1144-1148.	0.7	47
35	Synthesis and Evaluation of (S)â€Prolineâ€Containing Î±,Î²â€Dipeptides as Organocatalysts in Solventâ€Free Asymmetric Aldol Reactions Under Ballâ€Milling Conditions. Asian Journal of Organic Chemistry, 2015, 4, 46-53.	1.3	47
36	Experimental and Computational Thermochemical Study of Sulfur-Containing Amino Acids: <scp>l</scp>-Cysteine, <scp>l</scp>-Cystine, and <scp>l</scp>-Cysteine-Derived Radicals. Sâˆ'S, Sâˆ'H, and Câˆ'S Bond Dissociation Enthalpies. Journal of Physical Chemistry B, 2010, 114, 10530-10540.	1.2	46

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37	Î²-amino acid analogs of an insect neuropeptide feature potent bioactivity and resistance to peptidase hydrolysis. Biopolymers, 2007, 88, 76-82.	1.2	45
38	Stereoelectronic interpretation of the unusual perlin effects and 1H NMR chemical shifts in 1,3-oxathiane. Tetrahedron Letters, 1992, 33, 6927-6930.	0.7	43
39	Preparation and assignment of configuration of 1-benzoyl-(2S)-tert-butyl-3-methyl-perhydropyrimidin-4-one. Useful starting material for the enantioselective synthesis of Î±-substituted Î²-amino acids. Tetrahedron: Asymmetry, 1992, 3, 723-726.	1.8	43
40	Asymmetric allylation of N-benzoylhydrazones promoted by novel C2-symmetric bis-sulfoxide organocatalysts. Tetrahedron Letters, 2006, 47, 8235-8238.	0.7	43
41	Reverse Perlin effects for all Cî—¸H bonds in 1,3-Dithiane.. Tetrahedron Letters, 1992, 33, 1847-1850.	0.7	42
42	A Density Functional Study of 2-Lithio-1,3-dithiane and 2-Lithio-2-phenyl-1,3-dithiane:Â Conformational Preference of the Câ^'Li Bond and Structural Analysis. Journal of the American Chemical Society, 1997, 119, 7545-7549.	6.6	42
43	Novel Methodologies for Chemical Activation in Organic Synthesis under Solvent-Free Reaction Conditions. Molecules, 2020, 25, 3579.	1.7	42
44	Enantioselective Amination of Î±-Phenyl-Î±-cyanoacetate Catalyzed by Chiral Amines Incorporating the Î±-Phenylethyl Auxiliary. Journal of Organic Chemistry, 2007, 72, 1522-1525.	1.7	41
45	Mechanoenzymatic resolution of racemic chiral amines, a green technique for the synthesis of pharmaceutical building blocks. Tetrahedron, 2018, 74, 6453-6458.	1.0	41
46	Î±-Alkylation of (S)-Asparagine with Self-Regeneration of the Stereogenic Center:Â Enantioselective Synthesis of Î±-Substituted Aspartic Acids1,2. Journal of Organic Chemistry, 1998, 63, 4706-4710.	1.7	38
47	Calorimetric, Computational (G2(MP2) and G3) and Conceptual Study of the Energetics of the Isomeric 1,3- and 1,4-Dithianesâ€. Journal of Organic Chemistry, 1999, 64, 9328-9336.	1.7	38
48	Synthesis of 2-Substituted-5-halo-2,3-dihydro-4(H)-pyrimidin-4-ones and Their Derivatization Utilizing the Sonogashira Coupling Reaction in the Enantioselective Synthesis of Î±-Substituted Î²-Amino Acids. Journal of Organic Chemistry, 2007, 72, 4822-4825.	1.7	37
49	Synthesis of three novel chiral diamines derived from (S)-proline and their evaluation as precursors of diazaborolidines for the catalytic borane-mediated enantioselective reduction of prochiral ketones. Tetrahedron, 2008, 64, 9992-9998.	1.0	37
50	Mechanochemical Synthesis of Dipeptides Using Mgâ€Al Hydrotalcite as Activating Agent under Solventâ€Free Reaction Conditions. European Journal of Organic Chemistry, 2017, 2017, 687-694.	1.2	37
51	Highly diastereoselective alkylation, acylation and aldol condensation of cis- and trans-(N-acyloyl)hexahydrobenzoxazolidin-2-ones. Tetrahedron: Asymmetry, 2001, 12, 69-79.	1.8	36
52	Thermophysical properties of sulfur heterocycles: Thiane and thiophene derivatives. Thermochimica Acta, 2006, 441, 20-26.	1.2	36
53	Conformational analysis. 37. Gauche-repulsive interactions in 5-methoxy- and 5-methylthio-1,3-dithianes. Journal of the American Chemical Society, 1978, 100, 6114-6119.	6.6	35
54	Synthesis of Î²-lactams and cyclo-Î²-dipeptides from Î²-amino acids: experimental observations and theoretical analysis. Tetrahedron, 2001, 57, 1883-1890.	1.0	35

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55	Calorimetric and computational study of sulfur-containing six-membered rings. Chemical Society Reviews, 2005, 34, 347.	18.7	35
56	Enantioselective synthesis of Î²-amino acids. 6. High 1,2-stereoinduction in the preparation of enantiopure 2(R)-hydroxy-3(R)-N-benzoylamino-3-phenylpropionic acid (like stereoisomer of taxol's side) Tj ETQq0 0 0 rgBT /Overlock 10	0.7	34
57	Sulfur-carbon-phosphorus anomeric interactions. 4. Conformational analysis of 2-(diphenylphosphinoyl)-1,3-dithiane. Journal of the American Chemical Society, 1986, 108, 2000-2005.	6.6	33
58	Conformational analysis of six-membered, sulfur-containing saturated heterocycles. Accounts of Chemical Research, 1989, 22, 357-364.	7.6	33
59	Axial preference of 2-[1,3-dithianyl]diphenylphosphine oxide. A strong S-C-P anomeric interaction. Journal of Organic Chemistry, 1982, 47, 5038-5039.	1.7	32
60	Conformational analysis of 5-substituted 1,3-dioxanes. 6. Study of the attractive gauche effect in O-C-C-O segments. Tetrahedron, 1992, 48, 5941-5950.	1.0	32
61	Enantioselective synthesis of Î²-amino acids. Part 9: Preparation of enantiopure Î±,Î±-disubstituted Î²-amino acids from 1-benzoyl-2(S)-tert-butyl-3-methylperhydropyrimidin-4-one. Tetrahedron: Asymmetry, 1998, 9, 3881-3888.	1.8	32
62	Enantioselective synthesis of Î²-amino acids. Part 11: Diastereoselective alkylation of chiral derivatives of Î²-aminopropionic acid containing the Î±-phenethyl group. Tetrahedron, 2001, 57, 6487-6496.	1.0	32
63	Conformational analysis of 1,3-dioxanes with sulfide, sulfoxide and sulfone substitution at C(5). Finding an eclipsed conformation in cis-2-tert-butyl-5-(tert-butylsulfonyl)-1,3-dioxane. Journal of Organic Chemistry, 1987, 52, 3806-3811.	1.7	31
64	Enantioselective alkylation and protonation of prochiral enolates in the asymmetric synthesis of Î²-amino acids. Tetrahedron, 2003, 59, 4223-4229.	1.0	31
65	Î²-Amino Acids in Natural Products. , 2005, , 19-91.		31
66	Application of (1S,4S)-2,5-diazabicyclo[2.2.1]heptane derivatives in asymmetric organocatalysis: the Biginelli reaction. Arkivoc, 2008, 2008, 61-72.	0.3	30
67	Calorimetric and Computational Study of 1,3,5-Trithianeâ€. Journal of Organic Chemistry, 2001, 66, 5343-5351.	1.7	29
68	Manifestation of Stereoelectronic Effects on the Calculated Carbonâ‹¯Hydrogen Bond Lengths and One-Bond 1JC-H NMR Coupling Constants. Relative Acceptor Ability of the Carbonyl (CO), Thiocarbonyl (CS), and Methylidene (CCH2) Groups toward Câ‹¯H Donor Bonds. Journal of Organic Chemistry, 2004, 69, 7266-7276.	1.7	29
69	The existence of second-row anomeric interactions. Conformational analysis of 2-substituted 5-methyl-5-aza-1,3-dithiacyclohexanes. Journal of the American Chemical Society, 1989, 111, 6745-6749.	6.6	28
70	Enantioselective synthesis of .beta.-amino acids. 4. 1,2 Asymmetric induction in the alkylation of 1-benzoyl-3,6(S)-dimethylperhydropyrimidin-4-one. Preparation of the like and unlike stereoisomers of 2-methyl- and 2-benzyl-3(S)-aminobutanoic acid. Journal of Organic Chemistry, 1993, 58, 2282-2285.	1.7	28
71	Calorimetric and Computational Study of Thiacyclohexane 1-Oxide and Thiacyclohexane 1,1-Dioxide (Thiane Sulfoxide and Thiane Sulfone). Enthalpies of Formation and the Energy of the SO Bond. Journal of Organic Chemistry, 2003, 68, 1762-1770.	1.7	28
72	Diastereoselective Electrophilic Amination of Chiral 1-Benzoyl-2,3,5,6-tetrahydro-3-methyl-2-(1-methylethyl)pyrimidin-4(1H)-one for the Asymmetric Syntheses ofÎ±-SubstitutedÎ±,Î²-Diaminopropanoic Acids. Helvetica Chimica Acta, 2004, 87, 1016-1024.	1.0	28

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73	Thermochemistry of 1,3-Dithiacyclohexane 1-Oxide (1,3-Dithiane Sulfoxide):Â Calorimetric and Computational Study. Journal of Organic Chemistry, 2004, 69, 5454-5459.	1.7	28
74	Molecular Modeling of Salt (Lithium Chloride) Effects on the Enantioselectivity of Diethylzinc Addition to Benzaldehyde in the Presence of Chiral Î²-Amino Alcohols. Journal of Organic Chemistry, 2003, 68, 2369-2375.	1.7	27
75	Synthesis of Novel Derivatives of (1S,4S)â€²2,5â€ Diazabicyclo[2.2.1]heptane and Their Evaluation as Potential Ligands in Asymmetric Catalysis. European Journal of Organic Chemistry, 2008, 2008, 655-672.	1.2	27
76	Integrin Ligands with Î±/Î²â€Hybrid Peptide Structure: Design, Bioactivity, and Conformational Aspects. Medicinal Research Reviews, 2016, 36, 389-424.	5.0	27
77	Enantioselective synthesis of Î²-amino acids. Part 10: Preparation of novel Î±,Î±- and Î²,Î²-disubstituted Î²-amino acids from (S)-asparagine. Tetrahedron: Asymmetry, 1999, 10, 3493-3505.	1.8	26
78	Anomeric Effect in Saturated Heterocyclic Ring Systems. Advances in Heterocyclic Chemistry, 2012, 105, 189-222.	0.9	26
79	Theoretical Evidence for the Relevance of n(F) â†' Ïƒ*(Câ€“X) (X = H, C, O, S) Stereoelectronic Interactions. Journal of Organic Chemistry, 2016, 81, 1192-1197.	1.7	26
80	Conformational analysis of sulfur-carbon-phosphorus anomeric interactions. 2. X-ray crystallographic evidence against the importance of nS .fwdarw. .sigma.C-P conjugation in axial 2-[1,3]dithianyldiphenylphosphine oxide. Journal of Organic Chemistry, 1984, 49, 3026-3027.	1.7	25
81	Preparation of enantiomerically pure cis- and trans-N-(propionyl)hexahydrobenzoxazolidin-2-ones. Tetrahedron: Asymmetry, 1997, 8, 1075-1082.	1.8	25
82	Dual Mechanoenzymatic Kinetic Resolution of (Â±)â€Ketorolac. ChemCatChem, 2020, 12, 1782-1788.	1.8	25
83	An Alternative Synthesis of Chiral (S)â€Proline Derivatives that Contain a Thiohydantoin Moiety and Their Application as Organocatalysts in the Asymmetric Michael Addition Reaction under Solventâ€Free Conditions.. Asian Journal of Organic Chemistry, 2014, 3, 487-496.	1.3	23
84	Asymmetric Michael addition reaction organocatalyzed by stereoisomeric pyrrolidine sulfinamides under neat conditions. A brief study of self-disproportionation of enantiomers. Tetrahedron, 2017, 73, 4707-4718.	1.0	23
85	Asymmetric Michael Addition Organocatalyzed by Î±,Î²-Dipeptides under Solvent-Free Reaction Conditions. Molecules, 2017, 22, 1328.	1.7	23
86	Enantioselective Synthesis ob b-Amino Acids. 5. Stereoselective Reaction of Chiral Pyrimidinone Enolates with Aldehydes. Heterocycles, 1994, 39, 319.	0.4	23
87	Enantioselective Synthesis of Î±-Amino Acids from Chiral 1,4-Benzodiazepine-2,5-diones Containing the Î±-Phenethyl Group. Journal of Organic Chemistry, 1999, 64, 2914-2918.	1.7	22
88	Computational Study of 1,3-Dithiane 1,1-Dioxide (1,3-Dithiane Sulfone). Description of the Inversion Process and Manifestation of Stereoelectronic Effects on 1JC-H Coupling Constants. Journal of Physical Chemistry A, 2006, 110, 7703-7712.	1.1	22
89	Mechanoenzymology: State of the Art and Challenges towards Highly Sustainable Biocatalysis. ChemSusChem, 2021, 14, 2682-2688.	3.6	22
90	Conformational analysis of sulfur-carbon-phosphorus anomeric interactions. 3. The conformational preference of the diphenylphosphinoyl group in cyclohexane. Journal of Organic Chemistry, 1986, 51, 1357-1360.	1.7	21

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91	Conformational analysis of 1,3-dithian-2-yltrimethylphosphonium chloride. Origin of the S-C-P anomeric effect. Journal of the American Chemical Society, 1993, 115, 1313-1316.	6.6	21
92	Identification of selective and non-selective, biostable Î²-amino acid agonists of recombinant insect kinin receptors from the southern cattle tick Boophilus microplus and mosquito Aedes aegypti. Peptides, 2008, 29, 302-309.	1.2	21
93	Theoretical Examination of the Sâ€“Câ€“P Anomeric Effect. Journal of Organic Chemistry, 2015, 80, 2879-2883.	1.7	21
94	In search of diamine analogs of the Î±,Î±-diphenyl prolinol privileged chiral organocatalyst. Synthesis of diamine derivatives of Î±,Î±-diphenyl-(S)-prolinol and their application as organocatalysts in the asymmetric Michael and Mannich reactions. Tetrahedron, 2016, 72, 379-391.	1.0	21
95	Enantioselective Synthesis of -Amino Acids, Partâ€...13. Helvetica Chimica Acta, 2002, 85, 4189-4199.	1.0	20
96	Conformational Analysis of 5-Substituted 1,3-Dioxanes. 7. Effect of Lithium Bromide Additionâ€‚1. Journal of Organic Chemistry, 1997, 62, 4029-4035.	1.7	19
97	Calorimetric and Computational Study of 1,3- and 1,4-Oxathiane Sulfones. Journal of Organic Chemistry, 2007, 72, 1143-1147.	1.7	19
98	Relative reactivity of 2-diphenylphosphinoyl- and 2-diphenyl-thiophosphinoyl-2-[1,3]dithianyllithium as reagents wittig-horner/corey-seebach. Tetrahedron, 1986, 42, 1963-1970.	1.0	18
99	Sulfur-carbon-phosphorus anomeric interactions. 5. Conformational preference of the diphenylthiophosphinoyl group [(C6H5)2P(S)] in cyclohexane and in the 1,3-dithian-2-yl ring. Journal of Organic Chemistry, 1987, 52, 5185-5189.	1.7	18
100	Stereochemistry of Electrophilic Reactions of 4â€•t â€Butylâ€1â€phenylcyclohexyllithium, â€sodium, â€potassium and â€cesium. Israel Journal of Chemistry, 1989, 29, 171-186.	1.0	18
101	Thermodynamics of the Axial â‡Œ Equatorial Conformational Equilibria of tert-Butylcyclohexane and tert-Butyl-Substituted Six-Membered Heterocycles. Theoretical Estimation of Non-Zero Entropy Changes. Journal of Organic Chemistry, 1996, 61, 6465-6469.	1.7	18
102	Enantioselective addition of Et2Zn to benzaldehyde catalyzed by N-(S)-Î±-methylbenzyl-Î²-aminoalcohols. Tetrahedron: Asymmetry, 1996, 7, 1915-1918.	1.8	18
103	Stereoselective alkylation of C2-symmetric chiral N-phthaloylglycinamides in the preparation of enantiopure Î±-amino acids. Tetrahedron: Asymmetry, 2000, 11, 1411-1423.	1.8	18
104	Enthalpic and Entropic Contributions to the Conformational Free Energies of Methylthio, Methylsulfinyl, Methylsulfonyl, Phenylthio, Phenylsulfinyl, and Phenylsulfonyl [S(O)nR,n= 0, 1, 2; R = CH3, Ph] Groups in Cyclohexane. Journal of Organic Chemistry, 2000, 65, 969-973.	1.7	18
105	Calorimetric and Computational Study of 1,3-Dithiacyclohexane 1,1-Dioxide (1,3-Dithiane Sulfone). Journal of Organic Chemistry, 2004, 69, 1670-1675.	1.7	18
106	Biostable Î²-amino acid PK/PBAN analogs: Agonist and antagonist properties. Peptides, 2009, 30, 608-615.	1.2	18
107	Second-row anomeric interactions: The involvement of phosphorus. Heteroatom Chemistry, 1990, 1, 267-276.	0.4	17
108	Conformational analysis of 5-substituted 1,3-dioxanes. 5. Bond eclipsing in tert-butylsulfonyl substituted 1,3-dioxanes and cyclohexanes. X-ray diffraction studies, MMP2 calculations, and interpretation. Journal of the American Chemical Society, 1992, 114, 2157-2162.	6.6	17

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109	Enthalpic anomeric effect in 2-Y-1,3-dithianes (Y = SC6H5, CO2CH2CH3, and COC6H5). Experimental and theoretical evaluation. Solvent effects. Tetrahedron, 1999, 55, 359-372.	1.0	17
110	Enantioselective protonation of prochiral enolates in the asymmetric synthesis of (S)-naproxen. Tetrahedron Letters, 2003, 44, 2023-2026.	0.7	17
111	Enantioselective synthesis of (S)-2-amino-3-phosphonopropionic acid, (S)-AP-3, and (R)-2-amino-4-phosphonobutanoic acid, (R)-AP-4, via diastereoselective azidation of (4R,5R)-trans-N-[(diethoxyphosphoryl)propionyl]- and (4R,5R)-trans-N-[(diethoxyphosphoryl)butanoyl]hexahydrobenzoxazolidin-2-one. Tetrahedron, 2006, 62, 9404-9409.	1.0	17
112	Synthesis of Novel Chiral (Thio)ureas and Their Application as Organocatalysts and Ligands in Asymmetric Synthesis. Australian Journal of Chemistry, 2008, 61, 364.	0.5	17
113	Looking for Treasure in Stereochemistry-Land. A Path Marked by Curiosity, Obstinacy, and Serendipity. Journal of Organic Chemistry, 2012, 77, 4861-4884.	1.7	17
114	Structural features of N-benzylated-Î²-amino acid methyl esters essential for enantiodifferentiation by lipase B from Candida antarctica in hydrolytic reactions. Tetrahedron: Asymmetry, 2015, 26, 325-332.	1.8	17
115	Synthesis and evaluation of (S)-proline-containing dipeptidic organocatalysts bound to MBHA resin in asymmetric aldol reactions. Tetrahedron Letters, 2015, 56, 6047-6051.	0.7	17
116	Highly stereoselective additions of certain 2-lithio-1,3-dithianes to cyclohexanones. Solvent effects. Tetrahedron Letters, 1977, 18, 543-546.	0.7	16
117	Reexamination of the conformational preference of the benzyl group in cyclohexane. Enthalpic and entropic contributions to .DELTA.G.degree.(CH2Ph). Journal of Organic Chemistry, 1991, 56, 4802-4804.	1.7	16
118	Convenient Synthesis of the Antibiotic Linezolid via an Oxazolidineâ€2,4â€dione Intermediate Derived from the Chiral Building Block Isoserine. European Journal of Organic Chemistry, 2014, 2014, 7614-7620.	1.2	16
119	Chiral Imidazolium Ionic Liquids Derived from (S)â€Prolinamine as Organocatalysts in the Asymmetric Michael Reaction and Michaelâ€Aldol Cascade Reaction under Solventâ€Free Conditions. European Journal of Organic Chemistry, 2017, 2017, 2692-2697.	1.2	16
120	Thermal and Mechanical Stability of Immobilized Candida antarctica Lipase B: an Approximation to Mechanochemical Energetics in Enzyme Catalysis.. ChemCatChem, 2020, 12, 803-811.	1.8	16
121	Green synthesis of bioactive oligopeptides promoted by recyclable nanocrystalline hydroxyapatite. Future Medicinal Chemistry, 2020, 12, 479-491.	1.1	16
122	Conformational analysis of 5-substituted 1,3-dioxanes. 4. The use of precise structural information for the understanding of the conformational behavior of cis-5-(tert-butylsulfonyl)- and cis-5-(tert-butylsulfinyl)-2-tert-butyl-1,3-dioxane. Journal of Organic Chemistry, 1989, 54, 5963-5967.	1.7	15
123	Sulfur-carbon phosphorus anomeric interactions. 9. Effect of the coordination at phosphorus in the conformational equilibria of 2-P-substituted-1,3-dithianes. Journal of Organic Chemistry, 1991, 56, 5919-5924.	1.7	15
124	Highly Diastereoselective Alkylation of 1-Benzoyl-2-alkyl-3-(1'-methylbenzyl)imidazolidin-4-ones. Journal of Organic Chemistry, 1995, 60, 6408-6415.	1.7	15
125	NMR and X-ray crystallographic studies of axial and equatorial 2-ethoxy-2-oxo-1,4,2-oxazaphosphinane. Tetrahedron, 2002, 58, 8973-8978.	1.0	15
126	Tandem reactions initiated by the oxidative decarboxylation of 1-benzoyl-2(S)-tert-butyl-6(S)-carboxyperhydropyrimidin-4-one. Tetrahedron Letters, 2002, 43, 5297-5300.	0.7	15

#	Article	IF	Citations
127	Alternative procedure for the synthesis of enantiopure 1-benzoyl-2(S)-tert-butyl-3-methylperhydropyrimidin-4-one, a useful starting material for the enantioselective synthesis of Î±-substituted Î²-amino acids. Tetrahedron: Asymmetry, 2003, 14, 577-580.	1.8	15
128	Enantioselective synthesis of beta-amino acids using hexahydrobenzoxazolidinones as chiral auxiliaries. Tetrahedron: Asymmetry, 2008, 19, 2839-2849.	1.8	15
129	Synthesis of a New Nâ€Diaminophosphorylâ€Nâ€²â€[(2S)â€2â€pyrrolidinylmethyl]thiourea as a Chiral Organocatalyst for the Stereoselective Michael Addition of Cyclohexanone to Nitrostyrenes and Chalcones â€“ Application in Cascade Processes for the Synthesis of Polycyclic Systems. European Journal of Organic Chemistry, 2018, 2018, 6890-6900.	1.2	15
130	â€œAlternative method for the resolution of 1-benzoyl-2-tert-butyl-3-methyl-1,3-imidazolidin-4-oneâ€. Tetrahedron: Asymmetry, 1991, 2, 821-826.	1.8	14
131	The Diamino Analogues of Privileged Coreyâ€“Bakshiâ€“Shibata and JÃ¸rgensenâ€“Hayashi Catalysts: A Comparison of Their Performance. Synthesis, 2016, 48, 3890-3906.	1.2	14
132	Enthalpic and entropic contributions to the s-c-p-(o) anomeric effect. Tetrahedron Letters, 1992, 33, 2271-2274.	0.7	13
133	Preparation of (R)- and (S)-Î±-methyldopa from a chiral hydantoin containing the Î±-phenylethyl group. Chirality, 2002, 14, 144-150.	1.3	13
134	Calorimetric and Computational Study of 1,4-Dithiacyclohexane 1,1-Dioxide (1,4-Dithiane Sulfone). Journal of Organic Chemistry, 2006, 71, 2581-2586.	1.7	13
135	(2S,4R)-Hyp-(S)-Phe-OMe dipeptide supported on imidazolium tagged molecules as recoverable organocatalysts for asymmetric aldol reactions using water as reaction medium. Tetrahedron, 2017, 73, 5373-5380.	1.0	13
136	Synthesis of Versatile Bifunctional Derivatives of Chiral Diamines Obtained through Anchimerically Assisted Nucleophilic Substitution Reactions on Diastereomeric Phenylprolinols. Heterocycles, 2012, 86, 1275.	0.4	12
137	One-Pot Lipase-Catalyzed Enantioselective Synthesis of (R)-(â^')-N-Benzyl-3-(benzylamino)butanamide: The Effect of Solvent Polarity on Enantioselectivity. Molecules, 2017, 22, 2189.	1.7	12
138	Density Functional Theory Computational Reexamination of the Anomeric Effect in 2-Methoxy- and 2-Cyano-1,3-dioxanes and 1,3-Dithianes. Stereoelectronic Interactions Involving the Cyano (Câ‰¡N:) Group Revealed by Natural Bond Orbital (NBO) Analysis. Journal of Organic Chemistry, 2018, 83, 10326-10333.	1.7	12
139	Mechanochemically Activated Liebeskindâ€“Srogl (L-S) Cross-Coupling Reaction: Green Synthesis of meso-Substituted BODIPYs. Organometallics, 2020, 39, 2561-2564.	1.1	12
140	Enantioselective synthesis of beta-Amino acids. 12. experimental and theoretical study of the diastereoselectivity of alkylation of the dianion of N',N'-Bis(alpha-phenylethyl)-N -carbobenzyloxypropionamide. Journal of the Brazilian Chemical Society, 2001, 12, 652-660.	0.6	11
141	Stereoselective Synthesis of Chiral Pyrrolidine Derivatives of (+)-Î±-Pinene Containing a Î²-Amino Acid Moiety. Synthesis, 2013, 45, 2458-2468.	1.2	11
142	Stereoelectronic Interactions Exhibited by ¹J_{Câ€“H} One-Bond Coupling Constants and Examination of the Possible Existence of the Intramolecular Î±-Effect in Six-Membered Oxygen-Containing Heterocycles. Journal of Organic Chemistry, 2018, 83, 3293-3298.	1.7	11
143	Proline-Glycine Dipeptidic Derivatives of Chiral Phosphoramides as Organocatalysts for the Enantiodivergent Aldol Reaction of Aryl Aldehydes and Isatins with Cyclohexanone in the Presence of Water. Synthesis, 2018, 50, 3445-3459.	1.2	11
144	Stereoselective tandem Michael-intramolecular cyclization approach to functionalized pyrroloisoindolones. Tetrahedron, 1999, 55, 11187-11202.	1.0	10

#	Article	IF	Citations
145	Preparation of chiral derivatives of Î²-Ala containing the Î±-phenylethyl group: useful starting materials for the asymmetric synthesis of Î²-amino acids. Nature Protocols, 2007, 2, 2759-2766.	5.5	10
146	(R)- and (S)-Proline-Derived Chiral Phosphoramides as OrganoÂcatalysts for the Enantiodivergent Aldol Reaction of Isatins with Cyclohexanone in the Presence of Water. Synthesis, 2018, 50, 1827-1840.	1.2	10
147	cis- and trans-N-(Benzylsulfinyl)hexahydrobenzoxazolidin-2-ones as novel chiral sulfinyl transfer reagents. Tetrahedron, 2004, 60, 12147-12152.	1.0	9
148	Solid phase synthesis of novel Î±/Î²â€tetrapeptides, electrospray ionization mass spectrometric evaluation of their metal cation complexation behavior, and conformational analysis using density functional theory (DFT). Journal of Physical Organic Chemistry, 2008, 21, 349-358.	0.9	9
149	Solution-phase synthesis of novel seven-membered cyclic dipeptides containing Î±- and Î²-amino acids. Tetrahedron, 2012, 68, 9842-9852.	1.0	9
150	Synthesis of novel isoindolone derivatives via cascade reactions. Contrasting diastereoselectivity under solution-phase vis-a-vis solvent-free ball-milling reaction conditions. Tetrahedron, 2019, 75, 130594.	1.0	9
151	Î±â€Amino Acids and Î±,Î²â€Dipeptides Intercalated into Hydrotalcite: Efficient Catalysts in the Asymmetric Michael Addition Reaction of Aldehydes to Nâ€Substituted Maleimides. European Journal of Organic Chemistry, 2021, 2021, 5117-5126.	1.2	9
152	Increased Enantioselectivity in the Addition of Diethylzinc to Benzaldehyde by the Use of Chiral Ligands Containing the Î±-Phenylethylamino Group in Combination with Achiral Ligands. Journal of Organic Chemistry, 2003, 68, 3781-3785.	1.7	8
153	Diastereoselective alkylation of cyclo-Î²-dipeptides en route to enantiopure Î²-amino acids. Pure and Applied Chemistry, 2005, 77, 1235-1241.	0.9	8
154	Preparation of both enantiomers of Î²2-(3,4-dihydroxybenzyl)-Î²-alanine, higher homologues of Dopa. Tetrahedron, 2005, 61, 8372-8381.	1.0	8
155	Functionalization of (2S)â€isopropylâ€5â€iodoâ€2,3â€dihydroâ€4(H)â€pyrimidinâ€4â€ones by a Suzukiâ€“Miyaura Crossâ€Coupling Reaction Using Aryltrifluoroborate Salts: Convenient Enantioselective Preparation of Î±â€Substituted Î²â€Amino Acids. European Journal of Organic Chemistry, 2010, 2010, 6393-6403.	1.2	8
156	Computational reexamination of the eclipsed conformation in cis-2-tert-butyl-5-(tert-butylsulfonyl)-1,3-dioxane. Structural Chemistry, 2013, 24, 1855-1862.	1.0	8
157	Multifunctional phosphoramide-(S)-prolinamide derivatives as efficient organocatalysts in asymmetric aldol and Michael reactions. New Journal of Chemistry, 2019, 43, 5455-5465.	1.4	8
158	New Mesoporous Silica-Supported Organocatalysts Based on (2S)-(1,2,4-Triazol-3-yl)-Proline: Efficient, Reusable, and Heterogeneous Catalysts for the Asymmetric Aldol Reaction. Molecules, 2020, 25, 4532.	1.7	8
159	Computational determination of the enthalpic and entropic contributions to the conformational preference of monosubstituted cyclohexanes. Molecular mechanics, semiempirical and density functional theory methods andab initiocalculations. Journal of Physical Organic Chemistry, 2002, 15, 808-819.	0.9	7
160	An electrochemical interpretation of the mechanism of the chemical decarboxylation of 6-carboxyperhydropyrimidin-4-ones. Tetrahedron, 2004, 60, 3605-3610.	1.0	7
161	Functionalization of 2-(S)-isopropyl-5-iodo-pyrimidin-4-ones through Cu(I)-mediated 1,3-dipolar azideâ€“alkyne cycloadditions. Tetrahedron Letters, 2011, 52, 6883-6886.	0.7	7
162	Asymmetric Allylation of Î±â€Ketoesterâ€Derived Nâ€Benzoylhydrazones Promoted by Chiral Sulfoxides/Nâ€Oxides Lewis Bases: Highly Enantioselective Synthesis of Quaternary Î±â€Substituted Î±â€Allylâ€Î±â€Amino Acids. Chirality, 2013, 25, 529-540.	1.3	7

#	Article	IF	Citations
163	Synthesis of a new chiral organocatalyst derived from (S)-proline containing a 1,2,4-triazolyl moiety and its application in the asymmetric aldol reaction. Importance of one molecule of water generated in situ. Tetrahedron Letters, 2019, 60, 151128.	0.7	7
164	Mechanochemistry as a Sustainable Method for the Preparation of Fluorescent Ugi BODIPY Adducts. European Journal of Organic Chemistry, 2021, 2021, 253-265.	1.2	7
165	USE of (S)-Î±-Methylbenzylamine in the Resolution of Racemic 2-Octanol and Î±-Methylbenzyl Alcohol. Synthetic Communications, 1995, 25, 1053-1058.	1.1	6
166	Convenient route for the preparation ofC2-symmetric (+)-(2R,3R)- and (?)-(2S,3S)-2,3-diphenylaziridine. Chirality, 1998, 10, 95-99.	1.3	6
167	Salt Effects on the Conformational Behavior of 5-Carboxy- and 5-Hydroxy-1,3-dioxane1. Journal of Organic Chemistry, 2004, 69, 9063-9072.	1.7	6
168	Dendrimeric Î±,Î²-dipeptidic conjugates as organocatalysts in the asymmetric Michael addition reaction of isobutyraldehyde to N-phenylmaleimides. Monatshefte FÃ¼r Chemie, 2019, 150, 777-788.	0.9	6
169	Conformational Interactions in 1,4-Heterobutane Segments. ACS Symposium Series, 1979, , 95-106.	0.5	5
170	Enantioselective Synthesis of Î²-Amino Acids via Stereoselective Hydrogenation of Î²-Aminoacrylic Acid Derivatives. , 2005, , 159-179.		5
171	Corrigendum to â€œEnantioselective alkylation and protonation of prochiral enolates in the asymmetric synthesis of Î²-amino acidsâ€•[Tetrahedron 59 (2003) 4223]. Tetrahedron, 2005, 61, 4329-4333.	1.0	4
172	Insertion of beta-alanine in model peptides for copper binding to His96 and His111 of the human prion protein. Journal of Inorganic Biochemistry, 2013, 126, 104-110.	1.5	4
173	transâ€Hexahydrobenzoxazolidinones in the Enantioselective Synthesis of Î²²â€Amino Acids Containing Proteinogenic Side Chains. European Journal of Organic Chemistry, 2014, 2014, 2275-2283.	1.2	4
174	Use of (R)-Mandelic Acid as Chiral Co-Catalyst in the Michael Addition Reaction Organocatalyzed by (1S,4S)-2-Tosyl-2,5-diazabicyclo[2.2.1]heptane under Solvent-Free Conditions. Asymmetric Catalysis, 2015, 2, .	0.2	4
175	Effect of the Substituent and Amino Group Position on the Lipaseâ€Catalyzed Resolution of Î³â€Amino Esters: A Molecular Docking Study Shedding Light on Candida antarctica lipase B Enantioselectivity. European Journal of Organic Chemistry, 2021, 2021, 4790-4802.	1.2	4
176	Enantiopure 1,2,3-Triazolyl-β-amino Acids via Click Cycloaddition Reaction on Racemic Alkynyl Precursors Followed by Separation of Stereoisomers. Current Topics in Medicinal Chemistry, 2014, 14, 1257-1270.	1.0	4
177	Fundamental Developments of Chiral Phase Chromatography in Connection with Enantioselective Synthesis of Î²â€Amino Acids. Israel Journal of Chemistry, 2017, 57, 896-912.	1.0	3
178	Synthesis of (2S)-isopropyl-5-alkynylpyrimidin-2-ones: precursors of Î²-aminoacids. Tetrahedron Letters, 2011, 52, 1014-1019.	0.7	2
179	Asymmetric Synthesis of Î²²â€homoâ€tertâ€Leucine via Radical Addition to Enantiopure Nâ€Fumaroylhexahydrobenzooxazolidinâ€2â€one. Helvetica Chimica Acta, 2012, 95, 1714-1722.	1.0	2
180	Preparation of aromatic Î³-hydroxyketones by means of Heck coupling of aryl halides and 2,3-dihydrofuran, catalyzed by a palladium(<scp>ii</scp>) glycine complex under microwave irradiation. New Journal of Chemistry, 2020, 44, 13382-13392.	1.4	2

#	Article	IF	Citations
181	Proline and 1-(2-(benzoxazole-2-yl)phenyl)-3-phenylthiourea supramolecular organocatalyst in asymmetric aldol reactions. Tetrahedron Letters, 2021, 79, 153301.	0.7	2
182	Optimized Methodologies in Asymmetric Organic Synthesis Applying Microwaves. Journal of the Mexican Chemical Society, 2019, 53, .	0.2	2
183	Theoretical Evidence for the Relevance of n(S) â†' Ïƒ*(C-P), Ïƒ(C-S) â†' Ïƒ*(C-P), and n(F) â†' Ïƒ*(C-X) (X = H, C, O, S) Stereoelectronic Interactions. ACS Symposium Series, 2017, , 3-18.	0.5	1
184	Biomimetic Non-Heme Iron-Catalyzed Epoxidation of Challenging Terminal Alkenes Using Aqueous H2O2 as an Environmentally Friendly Oxidant. Molecules, 2019, 24, 3182.	1.7	1
185	Mechanoenzymology in the Kinetic Resolution of Î²-Blockers: Propranolol as a Case Study. ACS Organic & Inorganic Au, 0, , .	1.9	1
186	Enantioselective Synthesis of Î²-Amino Acids. Part 13. Diastereoselective Alkylation of Dianions Derived from Chiral Analogues of Î²-Aminopropanoic Acid Containing the Î±-Phenylethyl Group.. ChemInform, 2003, 34, no.	0.1	0
187	Asymmetric Michael Addition Reactions with Chiral Î±Î²-Unsaturated N-Acyloxazolidinones. , 2003, , 288.		0
188	Calorimetric and Computational Study of Sulfur-Containing Six-Membered Rings. ChemInform, 2005, 36, no.	0.1	0
189	Synergy Between Theory and Experiment in Physical Chemistry: Studies on Thermochemistry, Sites of Ionization and Reaction Mechanisms. AIP Conference Proceedings, 2008, , .	0.3	0
190	The best of physical organic chemistry in Riviera Maya, MÃ©xico, November 20-24, 2011. Journal of Physical Organic Chemistry, 2012, 25, 892-893.	0.9	0
191	Reversible stereoisomerâ€specific Cotton effect of the ligand field transitions at a Cu(II) binding site of the prion protein. European Journal of Inorganic Chemistry, 0, , .	1.0	0
192	Los lÃquidos iÃ³nicos como prometedores catalizadores en sÃntesis orgÃ¡nica: una contribuciÃ³n a la quÃmica sostenible. Revista Lasallista De Investigacion, 2017, 14, 171.	0.2	0