Alma Viso

List of Publications by Year
in descending order

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87 papers	2,581 citations	201674 27 h-index	223800 46 g-index
87 all docs	87 docs citations	87 times ranked	2195 citing authors

#	Article	IF	Citations
1	Diastereodivergent Synthesis of 2-Ene-1,4-hydroxy Sulfides from 2-Sulfinyl Dienes via Tandem Sulfa-Michael/Sulfoxide-Sulfenate Rearrangement. Organic Letters, 2021, 23, 202-206.	4.6	4
2	Sulfinylâ€Mediated Stereoselective Functionalization of Acyclic Conjugated Dienes. Chemistry - A European Journal, 2020, 26, 4620-4632.	3.3	4
3	Oxidative reactions of sulfinyl dienes as an entry to functionalized carbohydrate-like products and furans. Tetrahedron, 2019, 75, 4287-4297.	1.9	1
4	Desulfinylation of Ag(I) Sulfinyl Mesoionic Carbenes: Preparation of C-Unsubstituted Au(I)â€“1,2,3-Triazole Carbene Complexes. Organic Letters, 2017, 19, 822-825.	4.6	14
5	Sulfur Groups Improve the Performance of Triazole- and Triazolium-Based Interaction Units in Anion Binding. Journal of Organic Chemistry, 2017, 82, 3341-3346.	3.2	5
6	Chiral Sulfur Functional Groups as Definers of the Chirality at theâ€‰Metal in Ir and Rh Halfâ€Sandwich Complexes: A Combined CD/Xâ€ray Study. Chemistry - A European Journal, 2017, 23, 14523-14531.	3.3	11
7	From Allylic Sulfoxides to Allylic Sulfenates: Fifty Years of a Never-Ending [2,3]-Sigmatropic Rearrangement. Chemical Reviews, 2017, 117, 14201-14243.	47.7	55
8	Gold(I)-Catalyzed Cycloisomerizationâ€“Dimerization Cascade of Benzene-Tethered 1,6-Enynes. Journal of Organic Chemistry, 2017, 82, 7546-7554.	3.2	13
9	Development of a Nucleotide Exchange Inhibitor That Impairs Ras Oncogenic Signaling. Chemistry - A European Journal, 2017, 23, 1676-1685.	3.3	13
10	Gold Sulfinyl Mesoionic Carbenes: Synthesis, Structure, and Catalytic Activity. Organic Letters, 2016, 18, 3570-3573.	4.6	38
11	Sulfinyl-Mediated Stereoselective Overman Rearrangements and Dielsâ€“Alder Cycloadditions. Journal of Organic Chemistry, 2016, 81, 4081-4097.	3.2	7
12	Synthesis of Enantiopure 3-Hydroxypiperidines from Sulfinyl Dienyl Amines by Diastereoselective Intramolecular Cyclization and [2,3]-Sigmatropic Rearrangement. Journal of Organic Chemistry, 2015, 80, 7674-7692.	3.2	13
13	Remote Stereocontrol in the Synthesis of Acyclic 1,4-Diols and 1,4-Aminoalcohols from 2-Sulfinyl Dienes. Organic Letters, 2014, 16, 5200-5203.	4.6	11
14	Sulfoxide-Directed Enantioselective Synthesis of Functionalized Tetrahydropyridines. Organic Letters, 2013, 15, 4936-4939.	4.6	18
15	An Approach to the Stereoselective Synthesis of Enantiopure Dihydropyrroles and Aziridines from a Common Sulfinyl-Sulfinamide Intermediate. Journal of Organic Chemistry, 2012, 77, 525-542.	3.2	29
16	Sulfinyl-Mediated Stereoselective Overman Rearrangements and Dielsâ€“Alder Cycloadditions. Organic Letters, 2012, 14, 3068-3071.	4.6	17
17	Enantiopure 1,4-Diols and 1,4-Aminoalcohols via Stereoselective Acyclic Sulfoxideâ^'Sulfenate Rearrangement. Organic Letters, 2011, 13, 2468-2471.	4.6	23
18	Development of Non-Peptide Ligands of Growth Factor Receptor-Bound Protein 2-Src Homology 2 Domain Using Molecular Modeling and NMR Spectroscopyâ€. Journal of Medicinal Chemistry, 2011, 54, 1096-1100.	6.4	6

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19	Update 1 of: Î±,Î²-Diamino Acids: Biological Significance and Synthetic Approaches. Chemical Reviews, 2011, 111, PR1-PR42.	47.7	102
20	Development of Chromanes as Novel Inhibitors of the Uncoupling Proteins. Chemistry and Biology, 2011, 18, 264-274.	6.0	24
21	Sulfoxide-Directed Intramolecular [4 + 2] Cycloadditions between 2-Sulfinyl Butadienes and Unactivated Alkynes. Journal of Organic Chemistry, 2010, 75, 1517-1533.	3.2	22
22	Development of Fluorescent Ligands for the Human 5-HT_{1A} Receptor. ACS Medicinal Chemistry Letters, 2010, 1, 249-253.	2.8	25
23	Development of Molecular Probes for the Human 5-HT6Receptor. Journal of Medicinal Chemistry, 2010, 53, 7095-7106.	6.4	14
24	Asymmetric Claisen Rearrangements on Chiral Vinyl Sulfoxides. Chemistry - A European Journal, 2009, 15, 697-709.	3.3	14
25	Stereoselective Functionalization of Dihydropyranâ€3â€ols: Application to the Synthesis of Enantiopure Ethyl Deoxymonate B. European Journal of Organic Chemistry, 2009, 2009, 2312-2322.	2.4	10
26	Synthesis of chiral sulfinamido-sulfonamides and their evaluation as ligands for the enantioselective ethylation of aldehydes. Tetrahedron, 2009, 65, 3757-3766.	1.9	11
27	Highly diastereoselective Barbier allylation and iminium cyclization: a simple entry to bicyclic and tricyclic piperazinones. Tetrahedron, 2008, 64, 11580-11588.	1.9	4
28	Sulfur-Directed Enantioselective Synthesis of Functionalized Dihydropyrans. Journal of Organic Chemistry, 2008, 73, 6716-6727.	3.2	28
29	[2,3]-Sigmatropic Rearrangements of 3-Sulfinyl Dihydropyrans: Application to the Syntheses of the Cores of ent-Dysiherbaine and Deoxymalayamicin A. Journal of Organic Chemistry, 2008, 73, 8929-8941.	3.2	30
30	Highly Diastereoselective Addition of Lithio Vinyl Sulfoxides to N-Sulfinimines: An Entry to Enantiopure 3-Sulfinyl-2,5-cis-dihydropyrroles. Organic Letters, 2008, 10, 4775-4778.	4.6	28
31	The Medicinal Chemistry of Agents Targeting Monoacylglycerol Lipase. Current Topics in Medicinal Chemistry, 2008, 8, 231-246.	2.1	30
32	Synthesis of enantiopure vicinal diaminoesters and ketopiperazines from N-sulfinylimidazolidines. Tetrahedron, 2007, 63, 8017-8026.	1.9	15
33	Formal synthesis of ent-dysiherbaine from sulfinyl dihydropyrans by sigmatropic rearrangement and tethered aminohydroxylation. Tetrahedron Letters, 2007, 48, 8141-8144.	1.4	19
34	Metal-Catalyzed Oxidation and Epoxidation of Î±-Hydroxy Vinyl and Dienyl Sulfoxides. Journal of Organic Chemistry, 2006, 71, 1569-1575.	3.2	24
35	Sulfur Participation in [3,3]-Sigmatropic Rearrangements. Topics in Current Chemistry, 2006, 275, 103-129.	4.0	23
36	Synthesis of Highly Substituted Enantiopure Piperazines and Ketopiperazines from VicinalN-Sulfinyl Diamines. Journal of Organic Chemistry, 2006, 71, 1442-1448.	3.2	39

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37	Nucleophilic epoxidation of Î³-alkoxy dienyl sulfoxide derivatives. Tetrahedron, 2006, 62, 2684-2692.	1.9	4
38	Highly diastereoselective Staudinger reaction on 5,6-dihydropyrazin-2-(1H)-ones. Synthesis of enantiopure fused oxopiperazino-Î²-lactams. Tetrahedron Letters, 2006, 47, 8911-8915.	1.4	20
39	Sulfur-Mediated Synthesis of Substituted Tetrahydrofurans: Application to the Synthesis of Goniofufurone. Heterocycles, 2006, 68, 1579.	0.7	13
40	Synthesis of Tetrahydrofurfurylamines Related to Muscarine. Heterocycles, 2006, 68, 1429.	0.7	4
41	Î±,Î²-Diamino Acids:â€‰ Biological Significance and Synthetic Approaches. Chemical Reviews, 2005, 105, 3167-3196.	47.7	264
42	Highly Diastereoselective Diels-Alder Reactions with Enantiopure Sulfinyl-Substituted 1-Hydroxymethyldienes. Chemistry - A European Journal, 2005, 11, 5136-5145.	3.3	24
43	Activation of the endocannabinoid system as a therapeutic approach in a murine model of multiple sclerosis. FASEB Journal, 2005, 19, 1338-1340.	0.5	120
44	Highly Diastereoselective [3+2] Cycloadditions Between Non-Racemic p-Tolylsulfinimines and Iminoesters: An Efficient Entry to Enantiopure Imidazolidines and Vicinal Diaminoalcohols. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 1229-1234.	1.6	1
45	Synthesis of Functionalized Tetrahydrofurans from Hydroxy Sulfinyl Dienes. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 1461-1462.	1.6	1
46	Reductive Cleavage of Tetrahydrofuryl Sulfur-Substituted Oxiranes:Â Application to the Formal Synthesis of Kumausyne and Kumausallene. Journal of Organic Chemistry, 2005, 70, 10693-10700.	3.2	24
47	Synthesis and Structureâ^'Activity Relationships of a New Model of Arylpiperazines. 8.1Computational Simulation of Ligandâ^'Receptor Interaction of 5-HT1AR Agonists with Selectivity over Î±1-Adrenoceptors. Journal of Medicinal Chemistry, 2005, 48, 2548-2558.	6.4	59
48	Characterization of an anandamide degradation system in prostate epithelial PC-3 cells: synthesis of new transporter inhibitors as tools for this study. British Journal of Pharmacology, 2004, 141, 457-467.	5.4	37
49	Sulfoxide-controlled SN2â€² displacements between cuprates and vinyl and alkynyl epoxy sulfoxides. Tetrahedron, 2004, 60, 8171-8180.	1.9	8
50	Synthesis and structureâ€“activity relationships of a new model of arylpiperazines. Part 7: Study of the influence of lipophilic factors at the terminal amide fragment on 5-HT1A affinity/selectivity. Bioorganic and Medicinal Chemistry, 2004, 12, 1551-1557.	3.0	22
51	Sulfur-Directed Synthesis of Enantiopure Hydroxy 2-Sulfinyl Butadienesâ€. Journal of Organic Chemistry, 2004, 69, 1978-1986.	3.2	14
52	Fine-Tuned Aminal Cleavage:Â A Concise Route to Differentially Protected Enantiopuresyn-Î±,Î²-Diamino Esters. Journal of Organic Chemistry, 2004, 69, 1542-1547.	3.2	42
53	Comparison of Anandamide Transport in FAAH Wild-Type and Knockout Neurons:â€‰ Evidence for Contributions by both FAAH and the CB1 Receptor to Anandamide Uptake. Biochemistry, 2004, 43, 8184-8190.	2.5	80
54	Highly Diastereoselective [3+2] Cycloadditions between Nonracemic p-Tolylsulfinimines and Iminoesters: An Efficient Entry to Enantiopure Imidazolidines and Vicinal Diaminoalcohols. Chemistry - A European Journal, 2003, 9, 2867-2876.	3.3	61

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55	Design and synthesis of S-(â˜)-2-[[4-(napht-1-yl)piperazin-1-yl]methyl]-1,4-dioxoperhydropyrrolo[1,2-a]pyrazine (CSP-2503) using computational simulation. A 5-HT1A receptor agonist. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 1429-1432.	2.2	16
56	Design, synthesis and biological evaluation of new endocannabinoid transporter inhibitors. European Journal of Medicinal Chemistry, 2003, 38, 403-412.	5.5	42
57	Nucleophilic Epoxidation of Î³-Hydroxyvinyl Sulfoxide Derivatives. Journal of Organic Chemistry, 2003, 68, 4797-4805.	3.2	19
58	Design, Synthesis, and Biological Evaluation of New Inhibitors of the Endocannabinoid Uptake:â€‰ Comparison with Effects on Fatty Acid Amidohydrolase. Journal of Medicinal Chemistry, 2003, 46, 1512-1522.	6.4	83
59	Inhibition of Fatty Acid Amidohydrolase, the Enzyme Responsible for the Metabolism of the Endocannabinoid Anandamide, by Analogues of Arachidonoyl-serotonin. Journal of Enzyme Inhibition and Medicinal Chemistry, 2003, 18, 225-231.	5.2	18
60	Arylpiperazine Derivatives Acting at 5-HT1A Receptors. Current Medicinal Chemistry, 2002, 9, 443-469.	2.4	144
61	Nucleophilic Epoxidation of Î±â€˜-Hydroxy Vinyl Sulfoxides. Journal of Organic Chemistry, 2002, 67, 8166-8177.	3.2	22
62	Benzimidazole Derivatives. 3. 3D-QSAR/CoMFA Model and Computational Simulation for the Recognition of 5-HT4Receptor Antagonists. Journal of Medicinal Chemistry, 2002, 45, 4806-4815.	6.4	35
63	UCM707, a potent and selective inhibitor of endocannabinoid uptake, potentiates hypokinetic and antinociceptive effects of anandamide. European Journal of Pharmacology, 2002, 449, 99-103.	3.5	63
64	Endocannabinoid Transporter Inhibitors. Current Medicinal Chemistry - Central Nervous System Agents, 2002, 2, 129-141.	0.5	8
65	Design, Synthesis and Biological Evaluation of Novel Arachidonic Acid Derivatives as Highly Potent and Selective Endocannabinoid Transporter Inhibitors. Journal of Medicinal Chemistry, 2001, 44, 4505-4508.	6.4	69
66	3-D-QSAR/CoMFA and recognition models of benzimidazole derivatives at the 5-HT4 receptor. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 2807-2811.	2.2	18
67	Study of the bioactive conformation of novel 5-HT4 receptor ligands: influence of an intramolecular hydrogen bond. Tetrahedron, 2001, 57, 6745-6749.	1.9	10
68	Pd(0) Amination of Benzimidazoles as an Efficient Method towards New (Benzimidazolyl)piperazines with High Affinity for the 5-HT1A Receptor. Tetrahedron, 2000, 56, 3245-3253.	1.9	25
69	Highly diastereoselective dihydroxylation of cis-substituted sulfonyl vinyl oxiranes. Tetrahedron Letters, 2000, 41, 2871-2874.	1.4	4
70	Sulfoxide-Controlled SN2â€˜ Displacements between Cyanocuprates and Epoxy Vinyl Sulfoxides1. Journal of Organic Chemistry, 2000, 65, 6462-6473.	3.2	26
71	Synthesis of new (benzimidazolyl)piperazines with affinity for the 5-HT1A receptor via Pd(0) amination of bromobenzimidazoles. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 2339-2342.	2.2	14
72	Benzimidazole derivatives. Part 1: Synthesis and structureâ€“activity relationships of new benzimidazole-4-carboxamides and carboxylates as potent and selective 5-HT4 receptor antagonists. Bioorganic and Medicinal Chemistry, 1999, 7, 2271-2281.	3.0	36

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73	Sulfoxide-controlled SN2â€² displacements between cyanocuprates and epoxy vinyl sulfoxides. Tetrahedron Letters, 1996, 37, 8031-8034.	1.4	23
74	Stereoselective nucleophilic epoxidation of hydroxy vinyl sulfoxide derivatives. Tetrahedron Letters, 1996, 37, 6793-6796.	1.4	10
75	Base-induced bridge cleavage of 1,5-dimethyl-7-oxabicyclo-[2.2.1]hept-5-ene systems. Tetrahedron Letters, 1995, 36, 6157-6158.	1.4	14
76	Kinetic resolution of racemic disubstituted 1-pyrrolines via asymmetric reduction with a chiral titanocene catalyst. Journal of the American Chemical Society, 1994, 116, 9373-9374.	13.7	58
77	Sulfone Directed Alkylative Bridge Cleavage of Oxabicyclic Vinyl Sulfones with Organolithium Reagents. Journal of Organic Chemistry, 1994, 59, 3906-3916.	3.2	39
78	A Stereodivergent Access to Naturally Occurring Aminocarba Sugars from (Phenylsulfonyl)-7-oxabicyclo[2.2.1]heptane Derivatives. Total Synthesis of Penta-N,O-Acetyl-(.+-.)-Validamine and Its C1 and C2 Stereoisomers. Journal of Organic Chemistry, 1994, 59, 6419-6424.	3.2	39
79	Temperature-controlled synthesis of 4,7-dioxatricyclo[3.2.1.03,6]octane derivatives. Journal of Organic Chemistry, 1992, 57, 772-774.	3.2	17
80	Strain-directed bridge cleavage of (phenylsulfonyl)-7-oxabicyclo[2.2.1]heptane derivatives: application to the total synthesis of carba-.alpha.-DL-glucopyranose. Journal of Organic Chemistry, 1992, 57, 1945-1946.	3.2	40
81	Evidence for â€œstableâ€•organocopper intermediates in the reaction between Me2CuLiÂ·LiI and allylic sulfinyl mesylates.. Tetrahedron Letters, 1992, 33, 4985-4988.	1.4	24
82	Fine-tuned remote control of electrophilic additions to substituted norbornenes. Journal of Organic Chemistry, 1991, 56, 6227-6229.	3.2	16
83	Asymmetric carbon-carbon bond formation via sulfoxide-directed SN2' displacements of acyclic allylic mesylates. Journal of Organic Chemistry, 1991, 56, 1349-1351.	3.2	34
84	Regio- and stereocontrolled synthesis of hydroxycyclohexenyl sulfones from oxanorbornenes. Tetrahedron Letters, 1990, 31, 1475-1478.	1.4	28
85	Regioselective electrophilic additions to 2-alkoxy- and 2-alkoxymethyl-7-oxabicyclo [2.2.1] hept-5-ene derivatives. Tetrahedron, 1990, 46, 8199-8206.	1.9	16
86	Regioselective electrophilic additions to 2-oxygenated-7-oxabicyclo[2.2.1]Hept-5-enes: A simple entry into the 4,7-dioxatricyclo[3.2.1.03,6]octaneskeleton. Tetrahedron, 1989, 45, 4565-4578.	1.9	19
87	Regio- and stereoselective electrophilic additions to and -2-hydroxy-2-methyl-7-oxabicyclo[2.2.1]hept-5-ene. Tetrahedron Letters, 1987, 28, 5549-5550.	1.4	10