

Alma Viso

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	$\hat{1}\pm, \hat{1}^2$ -Diamino Acids: Biological Significance and Synthetic Approaches. <i>Chemical Reviews</i> , 2005, 105, 3167-3196.	47.7	264
2	Arylpiperazine Derivatives Acting at 5-HT1A Receptors. <i>Current Medicinal Chemistry</i> , 2002, 9, 443-469.	2.4	144
3	Activation of the endocannabinoid system as a therapeutic approach in a murine model of multiple sclerosis. <i>FASEB Journal</i> , 2005, 19, 1338-1340.	0.5	120
4	Update 1 of: $\hat{1}\pm, \hat{1}^2$ -Diamino Acids: Biological Significance and Synthetic Approaches. <i>Chemical Reviews</i> , 2011, 111, PR1-PR42.	47.7	102
5	Design, Synthesis, and Biological Evaluation of New Inhibitors of the Endocannabinoid Uptake: Comparison with Effects on Fatty Acid Amidohydrolase. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 1512-1522.	6.4	83
6	Comparison of Anandamide Transport in FAAH Wild-Type and Knockout Neurons: Evidence for Contributions by both FAAH and the CB1 Receptor to Anandamide Uptake. <i>Biochemistry</i> , 2004, 43, 8184-8190.	2.5	80
7	Design, Synthesis and Biological Evaluation of Novel Arachidonic Acid Derivatives as Highly Potent and Selective Endocannabinoid Transporter Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 4505-4508.	6.4	69
8	UCM707, a potent and selective inhibitor of endocannabinoid uptake, potentiates hypokinetic and antinociceptive effects of anandamide. <i>European Journal of Pharmacology</i> , 2002, 449, 99-103.	3.5	63
9	Highly Diastereoselective [3+2] Cycloadditions between Nonracemic p-Tolylsulfonimines and Iminoesters: An Efficient Entry to Enantiopure Imidazolidines and Vicinal Diaminoalcohols. <i>Chemistry - A European Journal</i> , 2003, 9, 2867-2876.	3.3	61
10	Synthesis and Structure-Activity Relationships of a New Model of Arylpiperazines. 8.1 Computational Simulation of Ligand-Receptor Interaction of 5-HT1AR Agonists with Selectivity over $\hat{1}\pm 1$ -Adrenoceptors. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 2548-2558.	6.4	59
11	Kinetic resolution of racemic disubstituted 1-pyrrolines via asymmetric reduction with a chiral titanocene catalyst. <i>Journal of the American Chemical Society</i> , 1994, 116, 9373-9374.	13.7	58
12	From Allylic Sulfoxides to Allylic Sulfenates: Fifty Years of a Never-Ending [2,3]-Sigmatropic Rearrangement. <i>Chemical Reviews</i> , 2017, 117, 14201-14243.	47.7	55
13	Design, synthesis and biological evaluation of new endocannabinoid transporter inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2003, 38, 403-412.	5.5	42
14	Fine-Tuned Amino Acid Cleavage: A Concise Route to Differentially Protected Enantiopure syn- $\hat{1}\pm, \hat{1}^2$ -Diamino Esters. <i>Journal of Organic Chemistry</i> , 2004, 69, 1542-1547.	3.2	42
15	Strain-directed bridge cleavage of (phenylsulfonyl)-7-oxabicyclo[2.2.1]heptane derivatives: application to the total synthesis of carba- α -DL-glucopyranose. <i>Journal of Organic Chemistry</i> , 1992, 57, 1945-1946.	3.2	40
16	Sulfone Directed Alkylative Bridge Cleavage of Oxabicyclic Vinyl Sulfones with Organolithium Reagents. <i>Journal of Organic Chemistry</i> , 1994, 59, 3906-3916.	3.2	39
17	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. <i>Journal of Organic Chemistry</i> , 1994, 59, 6419-6424.	3.2	39
18	Synthesis of Highly Substituted Enantiopure Piperazines and Ketopiperazines from Vicinal N-Sulfinyl Diamines. <i>Journal of Organic Chemistry</i> , 2006, 71, 1442-1448.	3.2	39

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19	Gold Sulfinyl Mesoionic Carbenes: Synthesis, Structure, and Catalytic Activity. <i>Organic Letters</i> , 2016, 18, 3570-3573.	4.6	38
20	Characterization of an anandamide degradation system in prostate epithelial PC-3 cells: synthesis of new transporter inhibitors as tools for this study. <i>British Journal of Pharmacology</i> , 2004, 141, 457-467.	5.4	37
21	Benzimidazole derivatives. Part 1: Synthesis and structure-activity relationships of new benzimidazole-4-carboxamides and carboxylates as potent and selective 5-HT ₄ receptor antagonists. <i>Bioorganic and Medicinal Chemistry</i> , 1999, 7, 2271-2281.	3.0	36
22	Benzimidazole Derivatives. 3. 3D-QSAR/CoMFA Model and Computational Simulation for the Recognition of 5-HT ₄ Receptor Antagonists. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 4806-4815.	6.4	35
23	Asymmetric carbon-carbon bond formation via sulfoxide-directed SN ₂ ' displacements of acyclic allylic mesylates. <i>Journal of Organic Chemistry</i> , 1991, 56, 1349-1351.	3.2	34
24	[2,3]-Sigmatropic Rearrangements of 3-Sulfinyl Dihydropyrans: Application to the Syntheses of the Cores of ent-Dysiherbaine and Deoxymalayamicin A. <i>Journal of Organic Chemistry</i> , 2008, 73, 8929-8941.	3.2	30
25	The Medicinal Chemistry of Agents Targeting Monoacylglycerol Lipase. <i>Current Topics in Medicinal Chemistry</i> , 2008, 8, 231-246.	2.1	30
26	An Approach to the Stereoselective Synthesis of Enantiopure Dihydropyrroles and Aziridines from a Common Sulfinyl-Sulfinamide Intermediate. <i>Journal of Organic Chemistry</i> , 2012, 77, 525-542.	3.2	29
27	Regio- and stereocontrolled synthesis of hydroxycyclohexenyl sulfones from oxanorbornenes. <i>Tetrahedron Letters</i> , 1990, 31, 1475-1478.	1.4	28
28	Sulfur-Directed Enantioselective Synthesis of Functionalized Dihydropyrans. <i>Journal of Organic Chemistry</i> , 2008, 73, 6716-6727.	3.2	28
29	Highly Diastereoselective Addition of Lithio Vinyl Sulfoxides to N-Sulfinimines: An Entry to Enantiopure 3-Sulfinyl-2,5-cis-dihydropyrroles. <i>Organic Letters</i> , 2008, 10, 4775-4778.	4.6	28
30	Sulfoxide-Controlled SN ₂ Displacements between Cyanocuprates and Epoxy Vinyl Sulfoxides. <i>Journal of Organic Chemistry</i> , 2000, 65, 6462-6473.	3.2	26
31	Pd(0) Amination of Benzimidazoles as an Efficient Method towards New (Benzimidazolyl)piperazines with High Affinity for the 5-HT _{1A} Receptor. <i>Tetrahedron</i> , 2000, 56, 3245-3253.	1.9	25
32	Development of Fluorescent Ligands for the Human 5-HT _{1A} Receptor. <i>ACS Medicinal Chemistry Letters</i> , 2010, 1, 249-253.	2.8	25
33	Evidence for stable organocopper intermediates in the reaction between Me ₂ CuLi·LiI and allylic sulfinyl mesylates. <i>Tetrahedron Letters</i> , 1992, 33, 4985-4988.	1.4	24
34	Highly Diastereoselective Diels-Alder Reactions with Enantiopure Sulfinyl-Substituted 1-Hydroxymethyldienes. <i>Chemistry - A European Journal</i> , 2005, 11, 5136-5145.	3.3	24
35	Reductive Cleavage of Tetrahydrofuryl Sulfur-Substituted Oxiranes: Application to the Formal Synthesis of Kumausyne and Kumausallene. <i>Journal of Organic Chemistry</i> , 2005, 70, 10693-10700.	3.2	24
36	Metal-Catalyzed Oxidation and Epoxidation of β -Hydroxy Vinyl and Dienyl Sulfoxides. <i>Journal of Organic Chemistry</i> , 2006, 71, 1569-1575.	3.2	24

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37	Development of Chromanes as Novel Inhibitors of the Uncoupling Proteins. <i>Chemistry and Biology</i> , 2011, 18, 264-274.	6.0	24
38	Sulfoxide-controlled SN2 displacements between cyanocuprates and epoxy vinyl sulfoxides. <i>Tetrahedron Letters</i> , 1996, 37, 8031-8034.	1.4	23
39	Sulfur Participation in [3,3]-Sigmatropic Rearrangements. <i>Topics in Current Chemistry</i> , 2006, 275, 103-129.	4.0	23
40	Enantiopure 1,4-Diols and 1,4-Aminoalcohols via Stereoselective Acyclic Sulfoxide-Sulfenate Rearrangement. <i>Organic Letters</i> , 2011, 13, 2468-2471.	4.6	23
41	Nucleophilic Epoxidation of β -Hydroxy Vinyl Sulfoxides. <i>Journal of Organic Chemistry</i> , 2002, 67, 8166-8177.	3.2	22
42	Synthesis and structure-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. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 1551-1557.	3.0	22
43	Sulfoxide-Directed Intramolecular [4 + 2] Cycloadditions between 2-Sulfinyl Butadienes and Unactivated Alkynes. <i>Journal of Organic Chemistry</i> , 2010, 75, 1517-1533.	3.2	22
44	Highly diastereoselective Staudinger reaction on 5,6-dihydropyrazin-2-(1H)-ones. Synthesis of enantiopure fused oxopiperazino-lactams. <i>Tetrahedron Letters</i> , 2006, 47, 8911-8915.	1.4	20
45	Regioselective electrophilic additions to 2-oxygenated-7-oxabicyclo[2.2.1]hept-5-enes: A simple entry into the 4,7-dioxatricyclo[3.2.1.0 ^{3,6}]octaneskeleton. <i>Tetrahedron</i> , 1989, 45, 4565-4578.	1.9	19
46	Nucleophilic Epoxidation of β -Hydroxyvinyl Sulfoxide Derivatives. <i>Journal of Organic Chemistry</i> , 2003, 68, 4797-4805.	3.2	19
47	Formal synthesis of ent-dysiherbaine from sulfinyl dihydropyrans by sigmatropic rearrangement and tethered aminohydroxylation. <i>Tetrahedron Letters</i> , 2007, 48, 8141-8144.	1.4	19
48	3-D-QSAR/CoMFA and recognition models of benzimidazole derivatives at the 5-HT4 receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 2807-2811.	2.2	18
49	Inhibition of Fatty Acid Amidohydrolase, the Enzyme Responsible for the Metabolism of the Endocannabinoid Anandamide, by Analogues of Arachidonoyl-serotonin. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2003, 18, 225-231.	5.2	18
50	Sulfoxide-Directed Enantioselective Synthesis of Functionalized Tetrahydropyridines. <i>Organic Letters</i> , 2013, 15, 4936-4939.	4.6	18
51	Temperature-controlled synthesis of 4,7-dioxatricyclo[3.2.1.0 ^{3,6}]octane derivatives. <i>Journal of Organic Chemistry</i> , 1992, 57, 772-774.	3.2	17
52	Sulfinyl-Mediated Stereoselective Overman Rearrangements and Diels-Alder Cycloadditions. <i>Organic Letters</i> , 2012, 14, 3068-3071.	4.6	17
53	Regioselective electrophilic additions to 2-alkoxy- and 2-alkoxymethyl-7-oxabicyclo [2.2.1] hept-5-ene derivatives. <i>Tetrahedron</i> , 1990, 46, 8199-8206.	1.9	16
54	Fine-tuned remote control of electrophilic additions to substituted norbornenes. <i>Journal of Organic Chemistry</i> , 1991, 56, 6227-6229.	3.2	16

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55	Design and synthesis of S-($\hat{\alpha}$)-2-[[4-(naph-1-yl)piperazin-1-yl]methyl]-1,4-dioxoperhydropyrrolo[1,2-a]pyrazine (CSP-2503) using computational simulation. A 5-HT1A receptor agonist. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 1429-1432.	2.2	16
56	Synthesis of enantiopure vicinal diaminoesters and ketopiperazines from N-sulfinylimidazolidines. <i>Tetrahedron</i> , 2007, 63, 8017-8026.	1.9	15
57	Base-induced bridge cleavage of 1,5-dimethyl-7-oxabicyclo-[2.2.1]hept-5-ene systems. <i>Tetrahedron Letters</i> , 1995, 36, 6157-6158.	1.4	14
58	Synthesis of new (benzimidazolyl)piperazines with affinity for the 5-HT1A receptor via Pd(0) amination of bromobenzimidazoles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999, 9, 2339-2342.	2.2	14
59	Sulfur-Directed Synthesis of Enantiopure Hydroxy 2-Sulfinyl Butadienes. <i>Journal of Organic Chemistry</i> , 2004, 69, 1978-1986.	3.2	14
60	Asymmetric Claisen Rearrangements on Chiral Vinyl Sulfoxides. <i>Chemistry - A European Journal</i> , 2009, 15, 697-709.	3.3	14
61	Development of Molecular Probes for the Human 5-HT6 Receptor. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 7095-7106.	6.4	14
62	Desulfinylation of Ag(I) Sulfinyl Mesoionic Carbenes: Preparation of <i>C</i> -Unsubstituted Au(I)-1,2,3-Triazole Carbene Complexes. <i>Organic Letters</i> , 2017, 19, 822-825.	4.6	14
63	Sulfur-Mediated Synthesis of Substituted Tetrahydrofurans: Application to the Synthesis of Goniofufurone. <i>Heterocycles</i> , 2006, 68, 1579.	0.7	13
64	Synthesis of Enantiopure 3-Hydroxypiperidines from Sulfinyl Dienyl Amines by Diastereoselective Intramolecular Cyclization and [2,3]-Sigmatropic Rearrangement. <i>Journal of Organic Chemistry</i> , 2015, 80, 7674-7692.	3.2	13
65	Gold(I)-Catalyzed Cycloisomerization-Dimerization Cascade of Benzene-Tethered 1,6-Enynes. <i>Journal of Organic Chemistry</i> , 2017, 82, 7546-7554.	3.2	13
66	Development of a Nucleotide Exchange Inhibitor That Impairs Ras Oncogenic Signaling. <i>Chemistry - A European Journal</i> , 2017, 23, 1676-1685.	3.3	13
67	Synthesis of chiral sulfinamido-sulfonamides and their evaluation as ligands for the enantioselective ethylation of aldehydes. <i>Tetrahedron</i> , 2009, 65, 3757-3766.	1.9	11
68	Remote Stereocontrol in the Synthesis of Acyclic 1,4-Diols and 1,4-Aminoalcohols from 2-Sulfinyl Dienes. <i>Organic Letters</i> , 2014, 16, 5200-5203.	4.6	11
69	Chiral Sulfur Functional Groups as Definers of the Chirality at the Metal in Ir and Rh Half-Sandwich Complexes: A Combined CD/X-ray Study. <i>Chemistry - A European Journal</i> , 2017, 23, 14523-14531.	3.3	11
70	Regio- and stereoselective electrophilic additions to and -2-hydroxy-2-methyl-7-oxabicyclo[2.2.1]hept-5-ene. <i>Tetrahedron Letters</i> , 1987, 28, 5549-5550.	1.4	10
71	Stereoselective nucleophilic epoxidation of hydroxy vinyl sulfoxide derivatives. <i>Tetrahedron Letters</i> , 1996, 37, 6793-6796.	1.4	10
72	Study of the bioactive conformation of novel 5-HT4 receptor ligands: influence of an intramolecular hydrogen bond. <i>Tetrahedron</i> , 2001, 57, 6745-6749.	1.9	10

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73	Stereoselective Functionalization of Dihydropyranols: Application to the Synthesis of Enantiopure Ethyl Deoxymonate B. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 2312-2322.	2.4	10
74	Sulfoxide-controlled SN2 displacements between cuprates and vinyl and alkynyl epoxy sulfoxides. <i>Tetrahedron</i> , 2004, 60, 8171-8180.	1.9	8
75	Endocannabinoid Transporter Inhibitors. <i>Current Medicinal Chemistry - Central Nervous System Agents</i> , 2002, 2, 129-141.	0.5	8
76	Sulfinyl-Mediated Stereoselective Overman Rearrangements and Diels-Alder Cycloadditions. <i>Journal of Organic Chemistry</i> , 2016, 81, 4081-4097.	3.2	7
77	Development of Non-Peptide Ligands of Growth Factor Receptor-Bound Protein 2- Src Homology 2 Domain Using Molecular Modeling and NMR Spectroscopy. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 1096-1100.	6.4	6
78	Sulfur Groups Improve the Performance of Triazole- and Triazolium-Based Interaction Units in Anion Binding. <i>Journal of Organic Chemistry</i> , 2017, 82, 3341-3346.	3.2	5
79	Highly diastereoselective dihydroxylation of cis-substituted sulfonyl vinyl oxiranes. <i>Tetrahedron Letters</i> , 2000, 41, 2871-2874.	1.4	4
80	Nucleophilic epoxidation of β -alkoxy dienyl sulfoxide derivatives. <i>Tetrahedron</i> , 2006, 62, 2684-2692.	1.9	4
81	Highly diastereoselective Barbier allylation and iminium cyclization: a simple entry to bicyclic and tricyclic piperazinones. <i>Tetrahedron</i> , 2008, 64, 11580-11588.	1.9	4
82	Sulfinyl-Mediated Stereoselective Functionalization of Acyclic Conjugated Dienes. <i>Chemistry - A European Journal</i> , 2020, 26, 4620-4632.	3.3	4
83	Diastereodivergent Synthesis of 2-Ene-1,4-hydroxy Sulfides from 2-Sulfinyl Dienes via Tandem Sulfa-Michael/Sulfoxide-Sulfenate Rearrangement. <i>Organic Letters</i> , 2021, 23, 202-206.	4.6	4
84	Synthesis of Tetrahydrofurfurylamines Related to Muscarine. <i>Heterocycles</i> , 2006, 68, 1429.	0.7	4
85	Highly Diastereoselective [3+2] Cycloadditions Between Non-Racemic p-Tolylsulfinimines and Iminoesters: An Efficient Entry to Enantiopure Imidazolidines and Vicinal Diaminoalcohols. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005, 180, 1229-1234.	1.6	1
86	Synthesis of Functionalized Tetrahydrofurans from Hydroxy Sulfinyl Dienes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005, 180, 1461-1462.	1.6	1
87	Oxidative reactions of sulfinyl dienes as an entry to functionalized carbohydrate-like products and furans. <i>Tetrahedron</i> , 2019, 75, 4287-4297.	1.9	1