Mercedes Alvarez

List of Publications by Year
in descending order

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108	4,012	172457	128289
papers	citations	29 h-index	60 g-index

131	131	131	4213
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pyridoacridines in the 21st Century. European Journal of Organic Chemistry, 2019, 2019, 5043-5072.	2.4	15
2	Toward the Synthesis of Phormidolides. ACS Omega, 2018, 3, 2351-2362.	3.5	5
3	Structure-Driven Discovery of Î±,Î³-Diketoacid Inhibitors Against UL89 Herpesvirus Terminase. ACS Omega, 2018, 3, 8497-8505.	3.5	7
4	Role of the Nozakiâ€“Hiyamaâ€“Takaiâ€“Kishi Reaction in the Synthesis of Natural Products. Chemical Reviews, 2017, 117, 8420-8446.	47.7	136
5	Intercalative DNA binding of the marine anticancer drug variolin B. Scientific Reports, 2017, 7, 39680.	3.3	19
6	Sudemycin K: A Synthetic Antitumor Splicing Inhibitor Variant with Improved Activity and Versatile Chemistry. ACS Chemical Biology, 2017, 12, 163-173.	3.4	23
7	Enantioselective Synthesis of the Polyhydroxylated Chain of Oscillariolide and Phormidolides Aâ€“C. Organic Letters, 2016, 18, 4485-4487.	4.6	9
8	Synthesis of (E)â€4â€Bromoâ€3â€methoxybutâ€3â€enâ€2â€one, the Key Fragment in the Polyhydroxylated Chain Common to Oscillariolide and Phormidolides Aâ€“C. Chemistry - A European Journal, 2016, 22, 7033-7035.	3.3	8
9	Synthesis of (E)-4-Bromo-3-methoxybut-3-en-2-one, the Key Fragment in the Polyhydroxylated Chain Common to Oscillariolide and Phormidolides A-C. Chemistry - A European Journal, 2016, 22, 6993-6993.	3.3	0
10	Stereoselective Allylstannane Addition for a Convergent Synthesis of a Complex Molecule. Organic Letters, 2015, 17, 6246-6249.	4.6	7
11	Addition of Vinylmetallic Reagents to Chiral 2â€Formyltetrahydrofuran. European Journal of Organic Chemistry, 2015, 2015, 235-241.	2.4	7
12	Phormidolides B and C, Cytotoxic Agents from the Sea: Enantioselective Synthesis of the Macrocyclic Core. Chemistry - A European Journal, 2015, 21, 150-156.	3.3	26
13	Palladium-catalyzed coupling reactions for the preparation of concatenated azoles. Arkivoc, 2015, 2015, 34-43.	0.5	0
14	Thiopeptide Antibiotics: Retrospective and Recent Advances. Marine Drugs, 2014, 12, 317-351.	4.6	151
15	Dissecting the Structure of Thiopeptides: Assessment of Thiazoline and Tail Moieties of Baringolin and Antibacterial Activity Optimization. Journal of Medicinal Chemistry, 2014, 57, 4185-4195.	6.4	23
16	Selective Formation of a Z-Trisubstituted Double Bond Using a 1-(tert-Butyl)tetrazolyl Sulfone. Journal of Organic Chemistry, 2014, 79, 10648-10654.	3.2	9
17	Chiral Thiazoline and Thiazole Building Blocks for the Synthesis of Peptide- Derived Natural Products. Current Topics in Medicinal Chemistry, 2014, 14, 1244-1256.	2.1	14
18	From 2,6â€Dichloronicotinic Acid to Thiopeptide Cores. European Journal of Organic Chemistry, 2013, 2013, 6404-6419.	2.4	6

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19	Tetrahydrofuran-Containing Macrolides: A Fascinating Gift from the Deep Sea. Chemical Reviews, 2013, 113, 4567-4610.	47.7	275
20	Total Synthesis and Stereochemical Assignment of Baringolin. Angewandte Chemie - International Edition, 2013, 52, 7818-7821.	13.8	37
21	Orthogonal Protecting Groups in the Synthesis of Tryptophanylâ€Hexahydropyrroloindoles. European Journal of Organic Chemistry, 2012, 2012, 67-73.	2.4	10
22	Progress on lamellarins. MedChemComm, 2011, 2, 689-697.	3.4	80
23	Highly efficient, multigram and enantiopure synthesis of (S)-2-(2,4â€²-bithiazol-2-yl)pyrrolidine. Tetrahedron Letters, 2011, 52, 5435-5437.	1.4	10
24	Structure, Bioactivity and Synthesis of Natural Products with Hexahydropyrrolo[2,3â€b]indole. Chemistry - A European Journal, 2011, 17, 1388-1408.	3.3	429
25	The Sea as a Source of New Drugs. , 2010, , 237-249.		4
26	Isolation, Structural Assignment, and Total Synthesis of Barmumycin. Journal of Organic Chemistry, 2010, 75, 8508-8515.	3.2	33
27	Optical Tweezers Study of Topoisomerase Inhibition. Small, 2009, 5, 1269-1272.	10.0	5
28	Amino Acid-Protecting Groups. Chemical Reviews, 2009, 109, 2455-2504.	47.7	658
29	Lamellarin D Bioconjugates II: Synthesis and Cellular Internalization of Dendrimer and Nuclear Location Signal Derivatives. Bioconjugate Chemistry, 2009, 20, 1112-1121.	3.6	27
30	Lamellarin D Bioconjugates I: Synthesis and Cellular Internalization of PEG-Derivatives. Bioconjugate Chemistry, 2009, 20, 1100-1111.	3.6	23
31	Synthesis of the pyrrolo[2,3-c]carbazole core of the dictyodendrins. Organic and Biomolecular Chemistry, 2009, 7, 860.	2.8	38
32	1,2-Dimethylindole-3-sulfonyl (MIS) as protecting group for the side chain of arginine. Organic and Biomolecular Chemistry, 2009, 7, 2565.	2.8	13
33	The synthesis of 1,2,3,6,6a,7-hexahydro-7-methyl-5-imino-1H-pyrrolo[1,2-c]imidazolo[5,4-b]indole. Arkivoc, 2009, 2009, 260-269.	0.5	3
34	Phenyl-EDOTn derivatives as super acid labile carboxylic acid protecting groups for peptide synthesis. Tetrahedron Letters, 2008, 49, 3304-3307.	1.4	9
35	Synthesis of Natural Product Derivatives Containing 2,4â€Concatenated Oxazoles. European Journal of Organic Chemistry, 2008, 2008, 3389-3396.	2.4	22
36	EDOTn and MIM, new peptide backbone protecting groups. Biopolymers, 2008, 90, 444-449.	2.4	23

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37	THAL, a Sterically Unhindered Linker for the Solid-Phase Synthesis of Acid-Sensitive Protected Peptide Acids. Journal of Organic Chemistry, 2008, 73, 7342-7344.	3.2	5
38	Synthesis and Antitumor Activity of Mechercharmycin A Analogues. Journal of Medicinal Chemistry, 2008, 51, 5722-5730.	6.4	23
39	Advances in Solid-Phase Cycloadditions for Heterocyclic Synthesis. ACS Combinatorial Science, 2007, 9, 521-565.	3.3	36
40	Synthesis of IB-01211, a Cyclic Peptide Containing 2,4-Concatenated Thia- and Oxazoles, via Hantzsch Macrocyclizationâ€. Organic Letters, 2007, 9, 809-811.	4.6	42
41	Solid-Phase Synthesis of Oxathiocoraline by a Key Intermolecular Disulfide Dimer. Journal of the American Chemical Society, 2007, 129, 5322-5323.	13.7	46
42	p-Nitromandelic Acid as a Highly Acid-Stable Safety-Catch Linker for Solid-Phase Synthesis of Peptide and Depsipeptide Acids. Organic Letters, 2007, 9, 1429-1432.	4.6	14
43	Fmoc-2-mercaptobenzothiazole, for the introduction of the Fmoc moiety free of side-reactions. Biopolymers, 2007, 88, 733-737.	2.4	34
44	Regioselective Monobromination of Free and Protected Phenols. European Journal of Organic Chemistry, 2007, 2007, 1921-1924.	2.4	19
45	Preparation of penta-azole containing cyclopeptides: challenges in macrocyclization. Tetrahedron, 2007, 63, 9862-9870.	1.9	24
46	Beyond Azathiocoraline: Synthesis of Analogues. International Journal of Peptide Research and Therapeutics, 2007, 13, 295-306.	1.9	3
47	Convergent Approaches for the Synthesis of the Antitumoral Peptide, Kahalalide F. Study of Orthogonal Protecting Groups. Journal of Organic Chemistry, 2006, 71, 7196-7204.	3.2	27
48	Synthesis and Structureâ"Activity Relationship Study of Potent Cytotoxic Analogues of the Marine Alkaloid Lamellarin D. Journal of Medicinal Chemistry, 2006, 49, 3257-3268.	6.4	100
49	1-Hydroxy-6,7-dimethoxy-8-nitro-1,2,3,4-tetrahydroisoquinoline. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o2285-o2287.	0.2	0
50	Total Solid-Phase Synthesis of the Azathiocoraline Class of Symmetric Bicyclic Peptides. Chemistry - A European Journal, 2006, 12, 9001-9009.	3.3	27
51	p-Nitrobenzyloxycarbonyl (pNZ) as an Alternative to Fmoc for the Protection of Amines in Solid-Phase Peptide Synthesis. , 2006, , 116-117.		0
52	Solid-Phase Chemistry in the Total Synthesis of Non-Peptidic Natural Products. Mini-Reviews in Medicinal Chemistry, 2006, 6, 11-25.	2.4	17
53	5,6-Dihydropyrrolo[2,1-b]isoquinolines as scaffolds for synthesis of lamellarin analogues. Tetrahedron Letters, 2005, 46, 2041-2044.	1.4	41
54	Semipermanent p-nitrobenzyloxycarbonyl (pNZ) protection of Orn and Lys side chains: prevention of undesired Î±-Fmoc removal and application to the synthesis of cyclic peptides. Tetrahedron Letters, 2005, 46, 7733-7736.	1.4	12

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55	Use of p-nitrobenzyloxycarbonyl (pNZ) as a permanent protecting group in the synthesis of Kahalalide F analogs. Tetrahedron Letters, 2005, 46, 7737-7741.	1.4	18
56	A new approach to 3-hydroxyquinoline-2-carboxylic acid. Tetrahedron, 2005, 61, 1407-1411.	1.9	11
57	p-Nitrobenzyloxycarbonyl (pNZ) as a TemporaryNÎ±-Protecting Group in Orthogonal Solid-Phase Peptide Synthesis - Avoiding Diketopiperazine and Aspartimide Formation. European Journal of Organic Chemistry, 2005, 2005, 3031-3039.	2.4	50
58	A New Approach to 3-Hydroxyquinoline-2-carboxylic Acid.. ChemInform, 2005, 36, no.	0.0	0
59	Directly Linked Polyazoles: Important Moieties in Natural Products. ChemInform, 2005, 36, no.	0.0	0
60	Chapter 1 Lamellarins: Isolation, activity and synthesis. Progress in Heterocyclic Chemistry, 2005, 16, 1-26.	0.5	21
61	Chloromethoxymethyl Polystyrene (CMM Resin), an Acid Labile Resin for Anchoring/Cleavage of N-Heterocycles and Oxygen Aromatic Compounds. Letters in Organic Chemistry, 2005, 2, 371-373.	0.5	3
62	Modular Total Synthesis of Lamellarin D. Journal of Organic Chemistry, 2005, 70, 8231-8234.	3.2	108
63	Synthesis of Polyheterocyclic Nitrogen-Containing Marine Natural Products. Monatshefte FÃ¼r Chemie, 2004, 135, 615-627.	1.8	41
64	Gaining diversity in solid-phase synthesis by modulation of cleavage conditions from hydroxymethyl-based supports. Application to lamellarin synthesis. Tetrahedron, 2004, 60, 8669-8675.	1.9	24
65	A Combination of Different Spectroscopic Techniques to Monitor theâ€œin situâ€•Solid-phase Synthesis of Organic Molecules. QSAR and Combinatorial Science, 2004, 23, 61-68.	1.4	7
66	Synthesis of Polyheterocyclic Nitrogen-Containing Marine Natural Products.. ChemInform, 2004, 35, no.	0.0	1
67	Solid-phase synthesis of 4H-2-(3-hydroxy-4-methoxyphenyl)-naphtho[1,2-b]pyran-1-one. Tetrahedron Letters, 2004, 45, 7311-7314.	1.4	3
68	Solid-phase synthesis of lamellarins Q and O. Tetrahedron, 2004, 60, 8659-8668.	1.9	51
69	Solid-Phase Syntheses of Furopyridine and Furoquinoline Systems. Organic Letters, 2004, 6, 1405-1408.	4.6	38
70	Derivatives of pyrido[3Â´,2Â´:4,5]pyrrolo[1,2-c]pyrimidones. Arkivoc, 2004, 2004, 74-85.	0.5	0
71	Synthesis of variolin B. Tetrahedron Letters, 2003, 44, 6191-6194.	1.4	20
72	Solid-Phase Total Synthesis of the Pentacyclic System Lamellarins U and L. Organic Letters, 2003, 5, 2959-2962.	4.6	74

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73	Total Syntheses of Variolin B and Deoxyvariolin B1. Journal of Organic Chemistry, 2003, 68, 10020-10029.	3.2	52
74	Synthesis of 5-arylpyrrolo[1,2-c]pyrimidin-1(2H)-ones. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 471-475.	1.3	6
75	Cyclic ureas as ortho directing substituents. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 2012-2021.	1.3	22
76	Synthesis of deoxyvariolin B. Tetrahedron Letters, 2001, 42, 315-317.	1.4	39
77	Ellipticine, uleine, apparicine, and related alkaloids. The Alkaloids Chemistry and Biology, 2001, 57, 235-272.	2.0	14
78	Synthesis of Ascididemine and an Isomer. European Journal of Organic Chemistry, 2000, 2000, 849-855.	2.4	28
79	Preparation of New Pyridoacridine Derivatives and Formal Synthesis of 11-Hydroxyascididemine. Tetrahedron, 2000, 56, 3703-3708.	1.9	12
80	1H NMR spectroscopy with internal and external standards for the quantification of libraries. Molecular Diversity, 2000, 6, 165-168.	3.9	6
81	Synthesis of 3-Aryl- and 3-Heteroaryl-7-azaindoles. Synthesis, 1999, 1999, 615-620.	2.3	29
82	Syntheses of Batzelline A, Batzeline B, Isobatzelline A, and Isobatzelline B. European Journal of Organic Chemistry, 1999, 1999, 1173-1183.	2.4	27
83	Synthesis of 1,2-dihydropyrrolo[1,2-c]pyrimidin-1-ones. Journal of the Chemical Society Perkin Transactions 1, 1999, , 249-256.	0.9	26
84	Synthesis of two pyranoquinolinones. What is the structure of cherimoline ?. Tetrahedron, 1998, 54, 4405-4412.	1.9	11
85	Synthesis of isobatzelline B. Tetrahedron Letters, 1998, 39, 679-680.	1.4	15
86	Synthesis of Pyrrolo[4,3,2-de]quinolines from 6,7-Dimethoxy-4-methylquinoline. Formal Total Syntheses of Damirones A and B, Batzelline C, Isobatzelline C, Discorhabdin C, and Makaluvamines Aâ^'D. Journal of Organic Chemistry, 1997, 62, 568-577.	3.2	55
87	Conversion of a 4-quinolone into a 1,6-diazaphenalene. Tetrahedron, 1997, 53, 4511-4520.	1.9	10
88	Synthesis of pyrido[2,3-b]acridine-5,11,12-triones. Tetrahedron, 1997, 53, 341-356.	1.9	8
89	Synthesis of Methyl 2-Acetylamino-5-(1,3-dithian-2-yl)thiazole-4-carboxylate. Heterocycles, 1997, 45, 1299.	0.7	1
90	Synthesis of 6-chloro-1,3,4,5-tetrahydro-7,8-dimethoxy-1-methylpyrrolo[4,3,2-de]quinoline from a quinoline; Formal total syntheses of batzelline C, isobatzelline C, discorhabdin C and makaluvamine D. Tetrahedron Letters, 1996, 37, 1509-1512.	1.4	29

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91	Nucleophilic Substitution of 7-Chloro-1-Methyl-4-Quinolone. Synthetic Communications, 1995, 25, 2507-2513.	2.1	3
92	Synthesis of a 1,3,4,5-Tetrahydropyrrolo[4,3,2-de]quinoline. Tetrahedron, 1994, 50, 7879-7888.	1.9	15
93	Synthesis of damirones A and B from a quinoline. Tetrahedron Letters, 1994, 35, 7857-7860.	1.4	10
94	Synthesis of Some Pyrrolo[4,3,2-de]quinolines. Journal of Organic Chemistry, 1994, 59, 4571-4575.	3.2	22
95	Synthesis of benz[b]acridine-6,11,12-triones. Journal of the Chemical Society Perkin Transactions 1, 1994, , 917-919.	0.9	9
96	Synthesis of a 1,3,4,5-tetrahydropyrrolo[4,3,2-de]quinoline from a Quinoline. Tetrahedron Letters, 1993, 34, 5495-5496.	1.4	13
97	Reactions of 1-methyl-4-quinolone with 2-lithio-1,3-dithianes. Journal of the Chemical Society Perkin Transactions 1, 1992, , 1223.	0.9	10
98	Hetero-ring lithiation of N-methyl-4-quinolone and N-methylquinoline-4-thione. Journal of the Chemical Society Perkin Transactions 1, 1992, , 351.	0.9	27
99	An improved annelation method with methyl2-(1,3-dithian-2-yl)benzoate as a bidentate synthon. Tetrahedron Letters, 1992, 33, 3679-3682.	1.4	11
100	Synthesis of Pyridoacridines. Heterocycles, 1992, 34, 2385.	0.7	19
101	Studies on the synthesis of indole alkaloids. Tetrahedron, 1991, 47, 5269-5276.	1.9	11
102	Marine, Nitrogen-containing Heterocyclic Natural Products â€" Structures and Syntheses of Compounds Containing Indole Units. Heterocycles, 1991, 32, 1391.	0.7	72
103	Marine, Nitrogen-containing Heterocyclic Natural Products. Structures and Syntheses of Compounds Containing Quinoline and/or Isoqiunoline Units. Heterocycles, 1991, 32, 759.	0.7	48
104	Dimethyl(methylthio)sulfonium fluoroborate induced cyclization of dithioacetals upon 2,3-disubstituted indoles. Tetrahedron Letters, 1990, 31, 3453-3456.	1.4	22
105	General method for the synthesis of bridged indole alkaloids. Nucleophilic addition of indoleacetic ester enolates to N-alkylpyridinium salts. Journal of Organic Chemistry, 1990, 55, 1156-1168.	3.2	41
106	A new strategy for the synthesis of pentacyclic Strychnos alkaloids: synthesis of (Â±)-tubifolidine. Journal of the Chemical Society Chemical Communications, 1988, , 420-421.	2.0	19
107	Studies on the synthesis of strychnos indole alkaloids. Tetrahedron, 1987, 43, 2513-2522.	1.9	8
108	Studies on the synthesis of indole alkaloids. A direct entry to 4-ethylidene-hexahydro-1,5-methanoazocino[4,3-]indoles. Tetrahedron Letters, 1987, 28, 4457-4460.	1.4	20