Mercedes Alvarez

List of Publications by Year
in descending order

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	Amino Acid-Protecting Groups. Chemical Reviews, 2009, 109, 2455-2504.	47.7	658
2	Structure, Bioactivity and Synthesis of Natural Products with Hexahydropyrrolo[2,3â€b]indole. Chemistry - A European Journal, 2011, 17, 1388-1408.	3.3	429
3	Tetrahydrofuran-Containing Macrolides: A Fascinating Gift from the Deep Sea. Chemical Reviews, 2013, 113, 4567-4610.	47.7	275
4	Thiopeptide Antibiotics: Retrospective and Recent Advances. Marine Drugs, 2014, 12, 317-351.	4.6	151
5	Role of the Nozakiâ€“Hiyamaâ€“Takaiâ€“Kishi Reaction in the Synthesis of Natural Products. Chemical Reviews, 2017, 117, 8420-8446.	47.7	136
6	Modular Total Synthesis of Lamellarin D. Journal of Organic Chemistry, 2005, 70, 8231-8234.	3.2	108
7	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
8	Progress on lamellarins. MedChemComm, 2011, 2, 689-697.	3.4	80
9	Solid-Phase Total Synthesis of the Pentacyclic System Lamellarins U and L. Organic Letters, 2003, 5, 2959-2962.	4.6	74
10	Marine, Nitrogen-containing Heterocyclic Natural Products â€" Structures and Syntheses of Compounds Containing Indole Units. Heterocycles, 1991, 32, 1391.	0.7	72
11	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
12	Total Syntheses of Variolin B and Deoxyvariolin B1. Journal of Organic Chemistry, 2003, 68, 10020-10029.	3.2	52
13	Solid-phase synthesis of lamellarins Q and O. Tetrahedron, 2004, 60, 8659-8668.	1.9	51
14	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
15	Marine, Nitrogen-containing Heterocyclic Natural Products. Structures and Syntheses of Compounds Containing Quinoline and/or Isoqiunoline Units. Heterocycles, 1991, 32, 759.	0.7	48
16	Solid-Phase Synthesis of Oxathiocoraline by a Key Intermolecular Disulfide Dimer. Journal of the American Chemical Society, 2007, 129, 5322-5323.	13.7	46
17	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
18	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

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19	Synthesis of Polyheterocyclic Nitrogen-Containing Marine Natural Products. Monatshefte FÃ¼r Chemie, 2004, 135, 615-627.	1.8	41
20	5,6-Dihydropyrrolo[2,1-b]isoquinolines as scaffolds for synthesis of lamellarin analogues. Tetrahedron Letters, 2005, 46, 2041-2044.	1.4	41
21	Synthesis of deoxyvariolin B. Tetrahedron Letters, 2001, 42, 315-317.	1.4	39
22	Solid-Phase Syntheses of Furopyridine and Furoquinoline Systems. Organic Letters, 2004, 6, 1405-1408.	4.6	38
23	Synthesis of the pyrrolo[2,3-c]carbazole core of the dictyodendrins. Organic and Biomolecular Chemistry, 2009, 7, 860.	2.8	38
24	Total Synthesis and Stereochemical Assignment of Baringolin. Angewandte Chemie - International Edition, 2013, 52, 7818-7821.	13.8	37
25	Advances in Solid-Phase Cycloadditions for Heterocyclic Synthesis. ACS Combinatorial Science, 2007, 9, 521-565.	3.3	36
26	Fmoc-2-mercaptobenzothiazole, for the introduction of the Fmoc moiety free of side-reactions. Biopolymers, 2007, 88, 733-737.	2.4	34
27	Isolation, Structural Assignment, and Total Synthesis of Barmumycin. Journal of Organic Chemistry, 2010, 75, 8508-8515.	3.2	33
28	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
29	Synthesis of 3-Aryl- and 3-Heteroaryl-7-azaindoles. Synthesis, 1999, 1999, 615-620.	2.3	29
30	Synthesis of Ascididemine and an Isomer. European Journal of Organic Chemistry, 2000, 2000, 849-855.	2.4	28
31	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
32	Syntheses of Batzelline A, Batzeline B, Isobatzelline A, and Isobatzelline B. European Journal of Organic Chemistry, 1999, 1999, 1173-1183.	2.4	27
33	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
34	Total Solid-Phase Synthesis of the Azathiocoraline Class of Symmetric Bicyclic Peptides. Chemistry - A European Journal, 2006, 12, 9001-9009.	3.3	27
35	Lamellarin D Bioconjugates II: Synthesis and Cellular Internalization of Dendrimer and Nuclear Location Signal Derivatives. Bioconjugate Chemistry, 2009, 20, 1112-1121.	3.6	27
36	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

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37	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
38	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
39	Preparation of penta-azole containing cyclopeptides: challenges in macrocyclization. Tetrahedron, 2007, 63, 9862-9870.	1.9	24
40	EDOTn and MIM, new peptide backbone protecting groups. Biopolymers, 2008, 90, 444-449.	2.4	23
41	Synthesis and Antitumor Activity of Mechercharmycin A Analogues. Journal of Medicinal Chemistry, 2008, 51, 5722-5730.	6.4	23
42	Lamellarin D Bioconjugates I: Synthesis and Cellular Internalization of PEG-Derivatives. Bioconjugate Chemistry, 2009, 20, 1100-1111.	3.6	23
43	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
44	Sudemycin K: A Synthetic Antitumor Splicing Inhibitor Variant with Improved Activity and Versatile Chemistry. ACS Chemical Biology, 2017, 12, 163-173.	3.4	23
45	Dimethyl(methylthio)sulfonium fluoroborate induced cyclization of dithioacetals upon 2,3-disubstituted indoles. Tetrahedron Letters, 1990, 31, 3453-3456.	1.4	22
46	Synthesis of Some Pyrrolo[4,3,2-de]quinolines. Journal of Organic Chemistry, 1994, 59, 4571-4575.	3.2	22
47	Cyclic ureas as ortho directing substituents. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 2012-2021.	1.3	22
48	Synthesis of Natural Product Derivatives Containing 2,4â€Concatenated Oxazoles. European Journal of Organic Chemistry, 2008, 2008, 3389-3396.	2.4	22
49	Chapter 1 Lamellarins: Isolation, activity and synthesis. Progress in Heterocyclic Chemistry, 2005, 16, 1-26.	0.5	21
50	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
51	Synthesis of variolin B. Tetrahedron Letters, 2003, 44, 6191-6194.	1.4	20
52	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
53	Regioselective Monobromination of Free and Protected Phenols. European Journal of Organic Chemistry, 2007, 2007, 1921-1924.	2.4	19
54	Intercalative DNA binding of the marine anticancer drug variolin B. Scientific Reports, 2017, 7, 39680.	3.3	19

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55	Synthesis of Pyridoacridines. Heterocycles, 1992, 34, 2385.	0.7	19
56	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
57	Solid-Phase Chemistry in the Total Synthesis of Non-Peptidic Natural Products. Mini-Reviews in Medicinal Chemistry, 2006, 6, 11-25.	2.4	17
58	Synthesis of a 1,3,4,5-Tetrahydropyrrolo[4,3,2-de]quinoline. Tetrahedron, 1994, 50, 7879-7888.	1.9	15
59	Synthesis of isobatzelline B. Tetrahedron Letters, 1998, 39, 679-680.	1.4	15
60	Pyridoacridines in the 21st Century. European Journal of Organic Chemistry, 2019, 2019, 5043-5072.	2.4	15
61	Ellipticine, uleine, apparicine, and related alkaloids. The Alkaloids Chemistry and Biology, 2001, 57, 235-272.	2.0	14
62	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
63	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
64	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
65	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
66	Preparation of New Pyridoacridine Derivatives and Formal Synthesis of 11-Hydroxyascididemine. Tetrahedron, 2000, 56, 3703-3708.	1.9	12
67	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
68	Studies on the synthesis of indole alkaloids. Tetrahedron, 1991, 47, 5269-5276.	1.9	11
69	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
70	Synthesis of two pyranoquinolinones. What is the structure of cherimoline ?. Tetrahedron, 1998, 54, 4405-4412.	1.9	11
71	A new approach to 3-hydroxyquinoline-2-carboxylic acid. Tetrahedron, 2005, 61, 1407-1411.	1.9	11
72	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

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73	Synthesis of damirones A and B from a quinoline. Tetrahedron Letters, 1994, 35, 7857-7860.	1.4	10
74	Conversion of a 4-quinolone into a 1,6-diazaphenalene. Tetrahedron, 1997, 53, 4511-4520.	1.9	10
75	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
76	Orthogonal Protecting Groups in the Synthesis of Tryptophanylâ€Hexahydropyrroloindoles. European Journal of Organic Chemistry, 2012, 2012, 67-73.	2.4	10
77	Synthesis of benz[b]acridine-6,11,12-triones. Journal of the Chemical Society Perkin Transactions 1, 1994, , 917-919.	0.9	9
78	Phenyl-EDOTn derivatives as super acid labile carboxylic acid protecting groups for peptide synthesis. Tetrahedron Letters, 2008, 49, 3304-3307.	1.4	9
79	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
80	Enantioselective Synthesis of the Polyhydroxylated Chain of Oscillariolide and Phormidolides Aâ€“C. Organic Letters, 2016, 18, 4485-4487.	4.6	9
81	Studies on the synthesis of strychnos indole alkaloids. Tetrahedron, 1987, 43, 2513-2522.	1.9	8
82	Synthesis of pyrido[2,3-b]acridine-5,11,12-triones. Tetrahedron, 1997, 53, 341-356.	1.9	8
83	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
84	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
85	Stereoselective Allylstannane Addition for a Convergent Synthesis of a Complex Molecule. Organic Letters, 2015, 17, 6246-6249.	4.6	7
86	Addition of Vinylmetallic Reagents to Chiral 2â€Formyltetrahydrofuran. European Journal of Organic Chemistry, 2015, 2015, 235-241.	2.4	7
87	Structure-Driven Discovery of Î±,Î³-Diketoacid Inhibitors Against UL89 Herpesvirus Terminase. ACS Omega, 2018, 3, 8497-8505.	3.5	7
88	1H NMR spectroscopy with internal and external standards for the quantification of libraries. Molecular Diversity, 2000, 6, 165-168.	3.9	6
89	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
90	From 2,6â€Dichloronicotinic Acid to Thiopeptide Cores. European Journal of Organic Chemistry, 2013, 2013, 6404-6419.	2.4	6

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91	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
92	Optical Tweezers Study of Topoisomerase Inhibition. Small, 2009, 5, 1269-1272.	10.0	5
93	Toward the Synthesis of Phormidolides. ACS Omega, 2018, 3, 2351-2362.	3.5	5
94	The Sea as a Source of New Drugs. , 2010, , 237-249.		4
95	Nucleophilic Substitution of 7-Chloro-1-Methyl-4-Quinolone. Synthetic Communications, 1995, 25, 2507-2513.	2.1	3
96	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
97	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
98	Beyond Azathiocoraline: Synthesis of Analogues. International Journal of Peptide Research and Therapeutics, 2007, 13, 295-306.	1.9	3
99	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
100	Synthesis of Polyheterocyclic Nitrogen-Containing Marine Natural Products.. ChemInform, 2004, 35, no.	0.0	1
101	Synthesis of Methyl 2-Acetylamino-5-(1,3-dithian-2-yl)thiazole-4-carboxylate. Heterocycles, 1997, 45, 1299.	0.7	1
102	A New Approach to 3-Hydroxyquinoline-2-carboxylic Acid.. ChemInform, 2005, 36, no.	0.0	0
103	Directly Linked Polyazoles: Important Moieties in Natural Products. ChemInform, 2005, 36, no.	0.0	0
104	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
105	p-Nitrobenzyloxycarbonyl (pNZ) as an Alternative to Fmoc for the Protection of Amines in Solid-Phase Peptide Synthesis. , 2006, , 116-117.		0
106	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
107	Derivatives of pyrido[3Â´,2Â´:4,5]pyrrolo[1,2-c]pyrimidones. Arkivoc, 2004, 2004, 74-85.	0.5	0
108	Palladium-catalyzed coupling reactions for the preparation of concatenated azoles. Arkivoc, 2015, 2015, 34-43.	0.5	0