

Mercedes Alvarez

List of Publications by Year in descending order

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108
papers

4,012
citations

172207

29
h-index

128067

60
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131
all docs

131
docs citations

131
times ranked

4213
citing authors

#	ARTICLE	IF	CITATIONS
1	Amino Acid-Protecting Groups. <i>Chemical Reviews</i> , 2009, 109, 2455-2504.	23.0	658
2	Structure, Bioactivity and Synthesis of Natural Products with Hexahydropyrrolo[2,3- <i>b</i>]indole. <i>Chemistry - A European Journal</i> , 2011, 17, 1388-1408.	1.7	429
3	Tetrahydrofuran-Containing Macrolides: A Fascinating Gift from the Deep Sea. <i>Chemical Reviews</i> , 2013, 113, 4567-4610.	23.0	275
4	Thiopeptide Antibiotics: Retrospective and Recent Advances. <i>Marine Drugs</i> , 2014, 12, 317-351.	2.2	151
5	Role of the Nozaki-Hiyama-Takai-Kishi Reaction in the Synthesis of Natural Products. <i>Chemical Reviews</i> , 2017, 117, 8420-8446.	23.0	136
6	Modular Total Synthesis of Lamellarin D. <i>Journal of Organic Chemistry</i> , 2005, 70, 8231-8234.	1.7	108
7	Synthesis and Structure-Activity Relationship Study of Potent Cytotoxic Analogues of the Marine Alkaloid Lamellarin D. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 3257-3268.	2.9	100
8	Progress on lamellarins. <i>MedChemComm</i> , 2011, 2, 689-697.	3.5	80
9	Solid-Phase Total Synthesis of the Pentacyclic System Lamellarins U and L. <i>Organic Letters</i> , 2003, 5, 2959-2962.	2.4	74
10	Marine, Nitrogen-containing Heterocyclic Natural Products - Structures and Syntheses of Compounds Containing Indole Units. <i>Heterocycles</i> , 1991, 32, 1391.	0.4	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 A-D. <i>Journal of Organic Chemistry</i> , 1997, 62, 568-577.	1.7	55
12	Total Syntheses of Variolin B and Deoxyvariolin B1. <i>Journal of Organic Chemistry</i> , 2003, 68, 10020-10029.	1.7	52
13	Solid-phase synthesis of lamellarins Q and O. <i>Tetrahedron</i> , 2004, 60, 8659-8668.	1.0	51
14	p-Nitrobenzyloxycarbonyl (pNZ) as a Temporary N ¹ -Protecting Group in Orthogonal Solid-Phase Peptide Synthesis - Avoiding Diketopiperazine and Aspartimide Formation. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 3031-3039.	1.2	50
15	Marine, Nitrogen-containing Heterocyclic Natural Products. Structures and Syntheses of Compounds Containing Quinoline and/or Isoquinoline Units. <i>Heterocycles</i> , 1991, 32, 759.	0.4	48
16	Solid-Phase Synthesis of Oxathiocoraline by a Key Intermolecular Disulfide Dimer. <i>Journal of the American Chemical Society</i> , 2007, 129, 5322-5323.	6.6	46
17	Synthesis of IB-01211, a Cyclic Peptide Containing 2,4-Concatenated Thia- and Oxazoles, via Hantzsch Macrocyclization. <i>Organic Letters</i> , 2007, 9, 809-811.	2.4	42
18	General method for the synthesis of bridged indole alkaloids. Nucleophilic addition of indoleacetic ester enolates to N-alkylpyridinium salts. <i>Journal of Organic Chemistry</i> , 1990, 55, 1156-1168.	1.7	41

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19	Synthesis of Polyheterocyclic Nitrogen-Containing Marine Natural Products. Monatshefte für Chemie, 2004, 135, 615-627.	0.9	41
20	5,6-Dihydropyrrolo[2,1-b]isoquinolines as scaffolds for synthesis of lamellarin analogues. Tetrahedron Letters, 2005, 46, 2041-2044.	0.7	41
21	Synthesis of deoxyvariolin B. Tetrahedron Letters, 2001, 42, 315-317.	0.7	39
22	Solid-Phase Syntheses of Europyridine and Euroquinoline Systems. Organic Letters, 2004, 6, 1405-1408.	2.4	38
23	Synthesis of the pyrrolo[2,3-c]carbazole core of the dictyodendrins. Organic and Biomolecular Chemistry, 2009, 7, 860.	1.5	38
24	Total Synthesis and Stereochemical Assignment of Baringolin. Angewandte Chemie - International Edition, 2013, 52, 7818-7821.	7.2	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.	1.2	34
27	Isolation, Structural Assignment, and Total Synthesis of Barmumycin. Journal of Organic Chemistry, 2010, 75, 8508-8515.	1.7	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.	0.7	29
29	Synthesis of 3-Aryl- and 3-Heteroaryl-7-azaindoles. Synthesis, 1999, 1999, 615-620.	1.2	29
30	Synthesis of Ascididemine and an Isomer. European Journal of Organic Chemistry, 2000, 2000, 849-855.	1.2	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, Batzelline B, Isobatzelline A, and Isobatzelline B. European Journal of Organic Chemistry, 1999, 1999, 1173-1183.	1.2	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.	1.7	27
34	Total Solid-Phase Synthesis of the Azathiocoraline Class of Symmetric Bicyclic Peptides. Chemistry - A European Journal, 2006, 12, 9001-9009.	1.7	27
35	Lamellarin D Bioconjugates II: Synthesis and Cellular Internalization of Dendrimer and Nuclear Location Signal Derivatives. Bioconjugate Chemistry, 2009, 20, 1112-1121.	1.8	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. <i>Chemistry - A European Journal</i> , 2015, 21, 150-156.	1.7	26
38	Gaining diversity in solid-phase synthesis by modulation of cleavage conditions from hydroxymethyl-based supports. Application to lamellarin synthesis. <i>Tetrahedron</i> , 2004, 60, 8669-8675.	1.0	24
39	Preparation of penta-azole containing cyclopeptides: challenges in macrocyclization. <i>Tetrahedron</i> , 2007, 63, 9862-9870.	1.0	24
40	EDOTn and MIM, new peptide backbone protecting groups. <i>Biopolymers</i> , 2008, 90, 444-449.	1.2	23
41	Synthesis and Antitumor Activity of Mechercharmycin A Analogues. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5722-5730.	2.9	23
42	Lamellarin D Bioconjugates I: Synthesis and Cellular Internalization of PEG-Derivatives. <i>Bioconjugate Chemistry</i> , 2009, 20, 1100-1111.	1.8	23
43	Dissecting the Structure of Thiopeptides: Assessment of Thiazoline and Tail Moieties of Baringolin and Antibacterial Activity Optimization. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 4185-4195.	2.9	23
44	Sudemycin K: A Synthetic Antitumor Splicing Inhibitor Variant with Improved Activity and Versatile Chemistry. <i>ACS Chemical Biology</i> , 2017, 12, 163-173.	1.6	23
45	Dimethyl(methylthio)sulfonium fluoroborate induced cyclization of dithioacetals upon 2,3-disubstituted indoles. <i>Tetrahedron Letters</i> , 1990, 31, 3453-3456.	0.7	22
46	Synthesis of Some Pyrrolo[4,3,2-de]quinolines. <i>Journal of Organic Chemistry</i> , 1994, 59, 4571-4575.	1.7	22
47	Cyclic ureas as ortho directing substituents. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 2012-2021.	1.3	22
48	Synthesis of Natural Product Derivatives Containing 2,4-Concatenated Oxazoles. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3389-3396.	1.2	22
49	Chapter 1 Lamellarins: Isolation, activity and synthesis. <i>Progress in Heterocyclic Chemistry</i> , 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. <i>Tetrahedron Letters</i> , 1987, 28, 4457-4460.	0.7	20
51	Synthesis of variolin B. <i>Tetrahedron Letters</i> , 2003, 44, 6191-6194.	0.7	20
52	A new strategy for the synthesis of pentacyclic Strychnos alkaloids: synthesis of (±)-tubifolidine. <i>Journal of the Chemical Society Chemical Communications</i> , 1988, , 420-421.	2.0	19
53	Regioselective Monobromination of Free and Protected Phenols. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 1921-1924.	1.2	19
54	Intercalative DNA binding of the marine anticancer drug variolin B. <i>Scientific Reports</i> , 2017, 7, 39680.	1.6	19

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55	Synthesis of Pyridoacridines. <i>Heterocycles</i> , 1992, 34, 2385.	0.4	19
56	Use of p-nitrobenzyloxycarbonyl (pNZ) as a permanent protecting group in the synthesis of Kahalalide F analogs. <i>Tetrahedron Letters</i> , 2005, 46, 7737-7741.	0.7	18
57	Solid-Phase Chemistry in the Total Synthesis of Non-Peptidic Natural Products. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006, 6, 11-25.	1.1	17
58	Synthesis of a 1,3,4,5-Tetrahydropyrrolo[4,3,2-de]quinoline. <i>Tetrahedron</i> , 1994, 50, 7879-7888.	1.0	15
59	Synthesis of isobatzelline B. <i>Tetrahedron Letters</i> , 1998, 39, 679-680.	0.7	15
60	Pyridoacridines in the 21st Century. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5043-5072.	1.2	15
61	Ellipticine, uleine, apparicine, and related alkaloids. <i>The Alkaloids Chemistry and Biology</i> , 2001, 57, 235-272.	0.8	14
62	p-Nitromandelic Acid as a Highly Acid-Stable Safety-Catch Linker for Solid-Phase Synthesis of Peptide and Depsipeptide Acids. <i>Organic Letters</i> , 2007, 9, 1429-1432.	2.4	14
63	Chiral Thiazoline and Thiazole Building Blocks for the Synthesis of Peptide-Derived Natural Products. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 1244-1256.	1.0	14
64	Synthesis of a 1,3,4,5-tetrahydropyrrolo[4,3,2-de]quinoline from a Quinoline. <i>Tetrahedron Letters</i> , 1993, 34, 5495-5496.	0.7	13
65	1,2-Dimethylindole-3-sulfonyl (MIS) as protecting group for the side chain of arginine. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2565.	1.5	13
66	Preparation of New Pyridoacridine Derivatives and Formal Synthesis of 11-Hydroxyascidideminine. <i>Tetrahedron</i> , 2000, 56, 3703-3708.	1.0	12
67	Semipermanent p-nitrobenzyloxycarbonyl (pNZ) protection of Orn and Lys side chains: prevention of undesired \pm -Fmoc removal and application to the synthesis of cyclic peptides. <i>Tetrahedron Letters</i> , 2005, 46, 7733-7736.	0.7	12
68	Studies on the synthesis of indole alkaloids. <i>Tetrahedron</i> , 1991, 47, 5269-5276.	1.0	11
69	An improved annelation method with methyl 2-(1,3-dithian-2-yl)benzoate as a bidentate synthon. <i>Tetrahedron Letters</i> , 1992, 33, 3679-3682.	0.7	11
70	Synthesis of two pyranoquinolinones. What is the structure of cherimoline ?. <i>Tetrahedron</i> , 1998, 54, 4405-4412.	1.0	11
71	A new approach to 3-hydroxyquinoline-2-carboxylic acid. <i>Tetrahedron</i> , 2005, 61, 1407-1411.	1.0	11
72	Reactions of 1-methyl-4-quinolone with 2-lithio-1,3-dithianes. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1992, 1223.	0.9	10

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73	Synthesis of damirones A and B from a quinoline. <i>Tetrahedron Letters</i> , 1994, 35, 7857-7860.	0.7	10
74	Conversion of a 4-quinolone into a 1,6-diazaphenalene. <i>Tetrahedron</i> , 1997, 53, 4511-4520.	1.0	10
75	Highly efficient, multigram and enantiopure synthesis of (S)-2-(2,4-bithiazol-2-yl)pyrrolidine. <i>Tetrahedron Letters</i> , 2011, 52, 5435-5437.	0.7	10
76	Orthogonal Protecting Groups in the Synthesis of Tryptophanyl-Hexahydropyrroloindoles. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 67-73.	1.2	10
77	Synthesis of benz[b]acridine-6,11,12-triones. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1994, , 917-919.	0.9	9
78	Phenyl-EDOTn derivatives as super acid labile carboxylic acid protecting groups for peptide synthesis. <i>Tetrahedron Letters</i> , 2008, 49, 3304-3307.	0.7	9
79	Selective Formation of a <i>Z</i> -Trisubstituted Double Bond Using a 1-(<i>tert</i> -Butyl)tetrazolyl Sulfone. <i>Journal of Organic Chemistry</i> , 2014, 79, 10648-10654.	1.7	9
80	Enantioselective Synthesis of the Polyhydroxylated Chain of Oscillariolide and Phormidolides A-C. <i>Organic Letters</i> , 2016, 18, 4485-4487.	2.4	9
81	Studies on the synthesis of strychnos indole alkaloids. <i>Tetrahedron</i> , 1987, 43, 2513-2522.	1.0	8
82	Synthesis of pyrido[2,3-b]acridine-5,11,12-triones. <i>Tetrahedron</i> , 1997, 53, 341-356.	1.0	8
83	Synthesis of (E)-4-bromo-3-methoxybut-2-ene, the Key Fragment in the Polyhydroxylated Chain Common to Oscillariolide and Phormidolides A-C. <i>Chemistry - A European Journal</i> , 2016, 22, 7033-7035.	1.7	8
84	A Combination of Different Spectroscopic Techniques to Monitor the <i>in situ</i> Solid-phase Synthesis of Organic Molecules. <i>QSAR and Combinatorial Science</i> , 2004, 23, 61-68.	1.5	7
85	Stereoselective Allylstannane Addition for a Convergent Synthesis of a Complex Molecule. <i>Organic Letters</i> , 2015, 17, 6246-6249.	2.4	7
86	Addition of Vinylmetallic Reagents to Chiral 2-Formyltetrahydrofuran. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 235-241.	1.2	7
87	Structure-Driven Discovery of β , γ -Diketoacid Inhibitors Against UL89 Herpesvirus Terminase. <i>ACS Omega</i> , 2018, 3, 8497-8505.	1.6	7
88	¹ H NMR spectroscopy with internal and external standards for the quantification of libraries. <i>Molecular Diversity</i> , 2000, 6, 165-168.	2.1	6
89	Synthesis of 5-arylpyrrolo[1,2-c]pyrimidin-1(2H)-ones. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 471-475.	1.3	6
90	From 2,6-Dichloronicotinic Acid to Thiopeptide Cores. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6404-6419.	1.2	6

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91	THAL, a Sterically Unhindered Linker for the Solid-Phase Synthesis of Acid-Sensitive Protected Peptide Acids. <i>Journal of Organic Chemistry</i> , 2008, 73, 7342-7344.	1.7	5
92	Optical Tweezers Study of Topoisomerase Inhibition. <i>Small</i> , 2009, 5, 1269-1272.	5.2	5
93	Toward the Synthesis of Phormidolides. <i>ACS Omega</i> , 2018, 3, 2351-2362.	1.6	5
94	The Sea as a Source of New Drugs. , 2010, , 237-249.		4
95	Nucleophilic Substitution of 7-Chloro-1-Methyl-4-Quinolone. <i>Synthetic Communications</i> , 1995, 25, 2507-2513.	1.1	3
96	Solid-phase synthesis of 4H-2-(3-hydroxy-4-methoxyphenyl)-naphtho[1,2-b]pyran-1-one. <i>Tetrahedron Letters</i> , 2004, 45, 7311-7314.	0.7	3
97	Chloromethoxymethyl Polystyrene (CMM Resin), an Acid Labile Resin for Anchoring/Cleavage of N-Heterocycles and Oxygen Aromatic Compounds. <i>Letters in Organic Chemistry</i> , 2005, 2, 371-373.	0.2	3
98	Beyond Azathiocoraline: Synthesis of Analogues. <i>International Journal of Peptide Research and Therapeutics</i> , 2007, 13, 295-306.	0.9	3
99	The synthesis of 1,2,3,6,6a,7-hexahydro-7-methyl-5-imino-1H-pyrrolo[1,2-c]imidazo[5,4-b]indole. <i>Arkivoc</i> , 2009, 2009, 260-269.	0.3	3
100	Synthesis of Polyheterocyclic Nitrogen-Containing Marine Natural Products.. <i>ChemInform</i> , 2004, 35, no.	0.1	1
101	Synthesis of Methyl 2-Acetylamino-5-(1,3-dithian-2-yl)thiazole-4-carboxylate. <i>Heterocycles</i> , 1997, 45, 1299.	0.4	1
102	A New Approach to 3-Hydroxyquinoline-2-carboxylic Acid.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
103	Directly Linked Polyazoles: Important Moieties in Natural Products. <i>ChemInform</i> , 2005, 36, no.	0.1	0
104	1-Hydroxy-6,7-dimethoxy-8-nitro-1,2,3,4-tetrahydroisoquinoline. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 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. <i>Chemistry - A European Journal</i> , 2016, 22, 6993-6993.	1.7	0
107	Derivatives of pyrido[3,2-b:4,5]pyrrolo[1,2-c]pyrimidones. <i>Arkivoc</i> , 2004, 2004, 74-85.	0.3	0
108	Palladium-catalyzed coupling reactions for the preparation of concatenated azoles. <i>Arkivoc</i> , 2015, 2015, 34-43.	0.3	0