Fernando Albericio

List of Publications by Year
in descending order

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835	30,367	6254	12946
papers	citations	80 h-index	131 g-index

942	942	942	24476
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Peptide Coupling Reagents, More than a Letter Soup. Chemical Reviews, 2011, 111, 6557-6602.	47.7	922
2	Amino Acid-Protecting Groups. Chemical Reviews, 2009, 109, 2455-2504.	47.7	658
3	Multifaceted Roles of Disulfide Bonds. Peptides as Therapeutics. Chemical Reviews, 2014, 114, 901-926.	47.7	477
4	Structure, Bioactivity and Synthesis of Natural Products with Hexahydropyrrolo[2,3â€b]indole. Chemistry - A European Journal, 2011, 17, 1388-1408.	3.3	429
5	Preparation and application of the 5-(4-(9-fluorenylmethyloxycarbonyl)aminomethyl-3,5-dimethoxyphenoxy)-valeric acid (PAL) handle for the solid-phase synthesis of C-terminal peptide amides under mild conditions. Journal of Organic Chemistry, 1990, 55, 3730-3743.	3.2	343
6	Advantageous applications of azabenzotriazole (triazolopyridine)-based coupling reagents to solid-phase peptide synthesis. Journal of the Chemical Society Chemical Communications, 1994, , 201.	2.0	329
7	Oxyma: An Efficient Additive for Peptide Synthesis to Replace the Benzotriazoleâ€Based HOBt and HOAt with a Lower Risk of Explosion^[1]. Chemistry - A European Journal, 2009, 15, 9394-9403.	3.3	326
8	Peptide and Amide Bond-Containing Dendrimers. Chemical Reviews, 2005, 105, 1663-1682.	47.7	321
9	Backbone Amide Linker (BAL) Strategy for Solid-Phase Synthesis of C-Terminal-Modified and Cyclic Peptides1,2,3. Journal of the American Chemical Society, 1998, 120, 5441-5452.	13.7	292
10	Tetrahydrofuran-Containing Macrolides: A Fascinating Gift from the Deep Sea. Chemical Reviews, 2013, 113, 4567-4610.	47.7	275
11	Therapeutic peptides. Future Medicinal Chemistry, 2012, 4, 1527-1531.	2.3	261
12	COMU: A Safer and More Effective Replacement for Benzotriazoleâ€Based Uronium Coupling Reagents. Chemistry - A European Journal, 2009, 15, 9404-9416.	3.3	260
13	A novel, convenient, three-dimensional orthogonal strategy for solid-phase synthesis of cyclic peptides. Tetrahedron Letters, 1993, 34, 1549-1552.	1.4	250
14	Use of Onium Salt-Based Coupling Reagents in Peptide Synthesis1. Journal of Organic Chemistry, 1998, 63, 9678-9683.	3.2	245
15	Targeted PLGA nano- but not microparticles specifically deliver antigen to human dendritic cells via DC-SIGN in vitro. Journal of Controlled Release, 2010, 144, 118-126.	9.9	242
16	ChemMatrix, a Poly(ethylene glycol)-Based Support for the Solid-Phase Synthesis of Complex Peptides. ACS Combinatorial Science, 2006, 8, 213-220.	3.3	241
17	Amphiphilic peptides and their cross-disciplinary role as building blocks for nanoscience. Chemical Society Reviews, 2010, 39, 241-263.	38.1	236
18	New peptide architectures through Câ€“H activation stapling between tryptophanâ€“phenylalanine/tyrosine residues. Nature Communications, 2015, 6, 7160.	12.8	235

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19	Developments in peptide and amide synthesis. Current Opinion in Chemical Biology, 2004, 8, 211-221.	6.1	234
20	Polymers and Drug Delivery Systems. Current Drug Delivery, 2012, 9, 367-394.	1.6	210
21	Convergent solid-phase peptide synthesis. Tetrahedron, 1993, 49, 11065-11133.	1.9	205
22	Occurrence and Minimization of Cysteine Racemization during Stepwise Solid-Phase Peptide Synthesis1,2. Journal of Organic Chemistry, 1997, 62, 4307-4312.	3.2	205
23	Racemization studies during solid-phase peptide synthesis using azabenzotriazole-based coupling reagents. Tetrahedron Letters, 1994, 35, 2279-2282.	1.4	199
24	Efficiency in Peptide Coupling: 1-Hydroxy-7-azabenzotriazole vs 3,4-Dihydro-3-hydroxy-4-oxo-1,2,3-benzotriazine. Journal of Organic Chemistry, 1995, 60, 3561-3564.	3.2	192
25	Chemical Protein Synthesis Using a Second-Generation N-Acylurea Linker for the Preparation of Peptide-Thioester Precursors. Journal of the American Chemical Society, 2015, 137, 7197-7209.	13.7	179
26	CuAAC: An Efficient Click Chemistry Reaction on Solid Phase. ACS Combinatorial Science, 2016, 18, 1-14.	3.8	178
27	From Production of Peptides in Milligram Amounts for Research to Multi-Tons Quantities for Drugs of the Future. Current Pharmaceutical Biotechnology, 2004, 5, 29-43.	1.6	174
28	The road to the synthesis of â€œdifficult peptidesâ€• Chemical Society Reviews, 2016, 45, 631-654.	38.1	171
29	Postsynthetic Modification of Peptides: Chemoselective Câ€Arylation of Tryptophan Residues. Chemistry - A European Journal, 2010, 16, 1124-1127.	3.3	159
30	On the use of PyAOP, a phosphonium salt derived from HOAt, in solid-phase peptide synthesis. Tetrahedron Letters, 1997, 38, 4853-4856.	1.4	157
31	Use of Alloc-amino acids in solid-phase peptide synthesis. Tandem deprotection-coupling reactions using neutral conditions. Tetrahedron Letters, 1997, 38, 7275-7278.	1.4	156
32	Manufacturing peptides as active pharmaceutical ingredients. Future Medicinal Chemistry, 2009, 1, 361-377.	2.3	151
33	Thiopeptide Antibiotics: Retrospective and Recent Advances. Marine Drugs, 2014, 12, 317-351.	4.6	151
34	Backbone Amide Linker (BAL) Strategy forNÎ±-9-Fluorenylmethoxycarbonyl (Fmoc) Solid-Phase Synthesis of Unprotected Peptidep-Nitroanilides and Thioesters1. Journal of Organic Chemistry, 1999, 64, 8761-8769.	3.2	149
35	Three-dimensional orthogonal protection scheme for solid-phase peptide synthesis under mild conditions. Journal of the American Chemical Society, 1985, 107, 4936-4942.	13.7	141
36	Engineering Advanced Capsosomes: Maximizing the Number of Subcompartments, Cargo Retention, and Temperature-Triggered Reaction. ACS Nano, 2010, 4, 1351-1361.	14.6	139

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37	Role of the Nozakiâ€“Hiyamaâ€“Takaiâ€“Kishi Reaction in the Synthesis of Natural Products. Chemical Reviews, 2017, 117, 8420-8446.	47.7	136
38	Stapled Peptides by Lateâ€Stage C(sp³)âˆ’H Activation. Angewandte Chemie - International Edition, 2017, 56, 314-318.	13.8	132
39	Peptides and metallic nanoparticles for biomedical applications. Nanomedicine, 2007, 2, 287-306.	3.3	129
40	Adenosine A_{2A} Receptor-Antagonist/Dopamine D₂ Receptor-Agonist Bivalent Ligands as Pharmacological Tools to Detect A_{2A}-D₂ Receptor Heteromers. Journal of Medicinal Chemistry, 2009, 52, 5590-5602.	6.4	129
41	Automated Allyl Cleavage for Continuous-Flow Synthesis of Cyclic and Branched Peptides. Analytical Biochemistry, 1993, 212, 303-310.	2.4	128
42	Preparation and applications of polyethylene glycol-polystyrene graft resin supports for solid-phase peptide synthesis. Reactive & Functional Polymers, 1994, 22, 243-258.	0.8	128
43	Stepwise Automated Solid Phase Synthesis of Naturally Occurring Peptaibols Using FMOC Amino Acid Fluorides. Journal of Organic Chemistry, 1995, 60, 405-410.	3.2	127
44	Synthesis and Structure Determination of Kahalalide F1,2. Journal of the American Chemical Society, 2001, 123, 11398-11401.	13.7	127
45	Covalent immobilization of hLf1-11 peptide on a titanium surface reduces bacterial adhesion and biofilm formation. Acta Biomaterialia, 2014, 10, 3522-3534.	8.3	125
46	The Pharmaceutical Industry in 2019. An Analysis of FDA Drug Approvals from the Perspective of Molecules. Molecules, 2020, 25, 745.	3.8	121
47	Spacer-free BODIPY fluorogens in antimicrobial peptides for direct imaging of fungal infection in human tissue. Nature Communications, 2016, 7, 10940.	12.8	112
48	Peptide Dendrimers Based on Polyproline Helices. Journal of the American Chemical Society, 2002, 124, 8876-8883.	13.7	111
49	Capsosomes with Multilayered Subcompartments: Assembly and Loading with Hydrophobic Cargo. Advanced Functional Materials, 2010, 20, 59-66.	14.9	111
50	Targeting Nanoparticles to Dendritic Cells for Immunotherapy. Methods in Enzymology, 2012, 509, 143-163.	1.0	110
51	Formation of Disulfide Bonds in Synthetic Peptides and Proteins. , 1994, 35, 91-170.		109
52	Modular Total Synthesis of Lamellarin D. Journal of Organic Chemistry, 2005, 70, 8231-8234.	3.2	108
53	Choosing the Right Coupling Reagent for Peptides: A Twenty-Five-Year Journey. Organic Process Research and Development, 2018, 22, 760-772.	2.7	108
54	Solid-phase synthesis and characterization of N-methyl-rich peptides. Chemical Biology and Drug Design, 2008, 65, 153-166.	1.1	107

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55	Synthesis of C-2 Arylated Tryptophan Amino Acids and Related Compounds through Palladium-Catalyzed Câ€“H Activation. Journal of Organic Chemistry, 2013, 78, 8129-8135.	3.2	107
56	The 2,2,4,6,7-pentamethyldihydrobenzofuran-5-sulfonyl group (Pbf) as arginine side chain protectant. Tetrahedron Letters, 1993, 34, 7829-7832.	1.4	106
57	An acidâ€labile anchoring linkage for solidâ€phase synthesis of Câ€terminal peptide amides under mild conditions*. International Journal of Peptide and Protein Research, 1987, 30, 206-216.	0.1	106
58	Design, synthesis, and conformational analysis of azacycloalkane amino acids as conformationally constrained probes for mimicry of peptide secondary structures. Biopolymers, 2000, 55, 101-122.	2.4	105
59	Enolase as a plasminogen binding protein in Leishmania mexicana. Parasitology Research, 2007, 101, 1511-1516.	1.6	104
60	Improving the brain delivery of gold nanoparticles by conjugation with an amphipathic peptide. Nanomedicine, 2010, 5, 897-913.	3.3	103
61	Fmoc Solid-Phase Synthesis of Peptide Thioesters by Masking as Trithioortho Esters. Organic Letters, 2003, 5, 2951-2953.	4.6	102
62	Cell-Penetratingcis-Î³-Amino-l-Proline-Derived Peptides. Journal of the American Chemical Society, 2005, 127, 9459-9468.	13.7	102
63	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
64	Synthesis and In Vivo Evaluation of the Biodistribution of a ¹⁸F-Labeled Conjugate Gold-Nanoparticle-Peptide with Potential Biomedical Application. Bioconjugate Chemistry, 2012, 23, 399-408.	3.6	100
65	Orthogonal protecting groups forNÎ±-amino andC-terminal carboxyl functions in solid-phase peptide synthesis. Biopolymers, 2000, 55, 123-139.	2.4	99
66	Peptide Therapeutics 2.0. Molecules, 2020, 25, 2293.	3.8	98
67	A New Class of Foldamers Based oncis-Î³-Amino-l-proline1,2. Journal of the American Chemical Society, 2004, 126, 6048-6057.	13.7	97
68	COMU: A third generation of uroniumâ€type coupling reagents. Journal of Peptide Science, 2010, 16, 6-9.	1.4	97
69	The Pharmaceutical Industry in 2018. An Analysis of FDA Drug Approvals from the Perspective of Molecules. Molecules, 2019, 24, 809.	3.8	95
70	The Pharmaceutical Industry in 2017. An Analysis of FDA Drug Approvals from the Perspective of Molecules. Molecules, 2018, 23, 533.	3.8	94
71	[7] Coupling reagents and activation. Methods in Enzymology, 1997, 289, 104-126.	1.0	91
72	Microalgae of different phyla display antioxidant, metal chelating and acetylcholinesterase inhibitory activities. Food Chemistry, 2012, 131, 134-140.	8.2	91

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73	Antibiotic Resistance: From the Bench to Patients. Antibiotics, 2019, 8, 129.	3.7	91
74	Disulfide Formation Strategies in Peptide Synthesis. European Journal of Organic Chemistry, 2014, 2014, 3519-3530.	2.4	87
75	The Pharmaceutical Industry in 2020. An Analysis of FDA Drug Approvals from the Perspective of Molecules. Molecules, 2021, 26, 627.	3.8	87
76	Structural studies of reagents for peptide bond formation: Crystal and molecular structures of HBTU and HATU. International Journal of Peptide Research and Therapeutics, 1994, 1, 57-67.	0.1	86
77	Total Synthesis of Dehydrodidemnin B. Use of Uronium and Phosphonium Salt Coupling Reagents in Peptide Synthesis in Solution. Journal of Organic Chemistry, 1997, 62, 354-366.	3.2	86
78	Solid-Phase Synthesis with Tris(alkoxy)benzyl Backbone Amide Linkage (BAL) [â‰]. Chemistry - A European Journal, 1999, 5, 2787-2795.	3.3	86
79	Cyclization of disulfideâ€containing peptides in solidâ€phase synthesis^{â€}. International Journal of Peptide and Protein Research, 1991, 37, 402-413.	0.1	85
80	Targeting Nanosystems to Human DCs via Fc Receptor as an Effective Strategy to Deliver Antigen for Immunotherapy. Molecular Pharmaceutics, 2011, 8, 104-116.	4.6	85
81	Green Solid-Phase Peptide Synthesis 2. 2-Methyltetrahydrofuran and Ethyl Acetate for Solid-Phase Peptide Synthesis under Green Conditions. ACS Sustainable Chemistry and Engineering, 2016, 4, 6809-6814.	6.7	85
82	Greening Fmoc/tBu solid-phase peptide synthesis. Green Chemistry, 2020, 22, 996-1018.	9.0	85
83	Synthesis of defined peptide-oligonucleotide hybrids containing a nuclear transport signal sequence.. Tetrahedron, 1991, 47, 4113-4120.	1.9	84
84	Identification of New Activators of Mitochondrial Fusion Reveals a Link between Mitochondrial Morphology and Pyrimidine Metabolism. Cell Chemical Biology, 2018, 25, 268-278.e4.	5.2	84
85	Solid-phase synthesis of â€œhead-to-tailâ€•cyclic peptides via lysine side-chain anchoring. Tetrahedron Letters, 1994, 35, 9633-9636.	1.4	81
86	Progress on lamellarins. MedChemComm, 2011, 2, 689-697.	3.4	80
87	Thiopeptide Engineering: A Multidisciplinary Effort towards Future Drugs. Angewandte Chemie - International Edition, 2014, 53, 6602-6616.	13.8	80
88	Phenolic composition, antioxidant potential and in vitro inhibitory activity of leaves and acorns of Quercus suber on key enzymes relevant for hyperglycemia and Alzheimer's disease. Industrial Crops and Products, 2015, 64, 45-51.	5.2	80
89	On the use of s-t-butylsulphenyl group for protection of cysteine in solid-phase peptide synthesis using fmoc-amino acids. Tetrahedron, 1987, 43, 2675-2680.	1.9	77
90	Solid-Phase Peptide Synthesis in Water Using Microwave-Assisted Heating. Organic Letters, 2009, 11, 4488-4491.	4.6	77

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91	Synthesis and Biological Evaluation of a Teixobactin Analogue. Organic Letters, 2015, 17, 6182-6185.	4.6	77
92	Improved approach for anchoring NÎ±â€9â€fluorenylmethyloxycarbonylamino acids as pâ€alkoxybenzyl esters in solidâ€phase peptide synthesis. International Journal of Peptide and Protein Research, 1985, 26, 92-97.	0.1	76
93	Aspartimide formation in peptide chemistry: occurrence, prevention strategies and the role of N-hydroxylamines. Tetrahedron, 2011, 67, 8595-8606.	1.9	76
94	Synthesis in vitro of a seven amino acid peptide encoded in the leader RNA of Rous sarcoma virus. Journal of Molecular Biology, 1986, 190, 45-57.	4.2	75
95	Solid-Phase Total Synthesis of the Pentacyclic System Lamellarins U and L. Organic Letters, 2003, 5, 2959-2962.	4.6	74
96	Identification of Antimicrobial Peptides from the Microalgae Tetraselmis suecica (Kylin) Butcher and Bactericidal Activity Improvement. Marine Drugs, 2019, 17, 453.	4.6	74
97	Novel Peptide-Based Platform for the Dual Presentation of Biologically Active Peptide Motifs on Biomaterials. ACS Applied Materials & Interfaces, 2014, 6, 6525-6536.	8.0	73
98	Conjugation of Kahalalide F with Gold Nanoparticles to Enhance in Vitro Antitumoral Activity. Bioconjugate Chemistry, 2009, 20, 138-146.	3.6	71
99	Molecular cloning of cDNAs encoding a putative cell wall protein from Zea mays and immunological identification of related polypeptides. Plant Molecular Biology, 1988, 11, 483-493.	3.9	70
100	Multifunctionalized Gold Nanoparticles with Peptides Targeted to Gastrin-Releasing Peptide Receptor of a Tumor Cell Line. Bioconjugate Chemistry, 2010, 21, 1070-1078.	3.6	70
101	Peptide synthesis beyond DMF: THF and ACN as excellent and friendlier alternatives. Organic and Biomolecular Chemistry, 2015, 13, 2393-2398.	2.8	69
102	Deprotection Reagents in Fmoc Solid Phase Peptide Synthesis: Moving Away from Piperidine?. Molecules, 2016, 21, 1542.	3.8	69
103	2-Methyltetrahydrofuran and cyclopentyl methyl ether for green solid-phase peptide synthesis. Amino Acids, 2016, 48, 419-426.	2.7	69
104	NÎ±-Alloc temporary protection in solid-phase peptide synthesis. The use of amineâ€“borane complexes as allyl group scavengers. Journal of the Chemical Society Perkin Transactions 1, 1999, , 2871-2874.	0.9	68
105	Gold nanoparticle based double-labeling of melanoma extracellular vesicles to determine the specificity of uptake by cells and preferential accumulation in small metastatic lung tumors. Journal of Nanobiotechnology, 2020, 18, 20.	9.1	68
106	Solid-phase synthesis of C-terminal modified peptides. Biopolymers, 2003, 71, 454-477.	2.4	67
107	Stable Conjugates of Peptides with Gold Nanorods for Biomedical Applications with Reduced Effects on Cell Viability. ACS Applied Materials & Interfaces, 2013, 5, 4076-4085.	8.0	67
108	A Trp-BODIPY cyclic peptide for fluorescence labelling of apoptotic bodies. Chemical Communications, 2017, 53, 945-948.	4.1	67

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109	Green Transformation of Solid-Phase Peptide Synthesis. ACS Sustainable Chemistry and Engineering, 2019, 7, 3671-3683.	6.7	67
110	Handles for Fmoc Solid-Phase Synthesis of Protected Peptides. ACS Combinatorial Science, 2013, 15, 217-228.	3.8	66
111	Fatty acid composition and biological activities of Isochrysis galbana T-ISO, Tetraselmis sp. and Scenedesmus sp.: possible application in the pharmaceutical and functional food industries. Journal of Applied Phycology, 2014, 26, 151-161.	2.8	66
112	Use of N-tritylamino acids and PyAOP1 for the suppression of diketopiperazine formation in Fmoc/tBu solid-phase peptide synthesis using alkoxybenzyl ester anchoring linkages. Tetrahedron Letters, 1996, 37, 4195-4198.	1.4	65
113	Microwave-Assisted Green Solid-Phase Peptide Synthesis Using Î³-Valerolactone (GVL) as Solvent. ACS Sustainable Chemistry and Engineering, 2018, 6, 8034-8039.	6.7	65
114	Phytochemical Profile, Antioxidant and Cytotoxic Activities of the Carob Tree (Ceratonia siliqua L.) Germ Flour Extracts. Plant Foods for Human Nutrition, 2011, 66, 78-84.	3.2	64
115	Short AntiMicrobial Peptides (SAMPs) as a class of extraordinary promising therapeutic agents. Journal of Peptide Science, 2016, 22, 438-451.	1.4	64
116	Practical protocols for stepwise solid-phase synthesis of cysteine-containing peptides. Chemical Biology and Drug Design, 2002, 60, 292-299.	1.1	63
117	Solution- and solid-phase synthesis and anti-HIV activity of maslinic acid derivatives containing amino acids and peptides. Bioorganic and Medicinal Chemistry, 2009, 17, 1139-1145.	3.0	63
118	Constrained Cyclopeptides: Biaryl Formation through Pdâ€Catalyzed Câ€“H Activation in Peptidesâ€”Structural Control of the Cyclization vs. Cyclodimerization Outcome. Chemistry - A European Journal, 2016, 22, 13114-13119.	3.3	63
119	Active carbonate resins for solid-phase synthesis through the anchoring of a hydroxyl function. Synthesis of cyclic and alcohol peptides. Tetrahedron Letters, 1997, 38, 883-886.	1.4	61
120	Morpholine-Based Immonium and Halogenoamidinium Salts as Coupling Reagents in Peptide Synthesis¹. Journal of Organic Chemistry, 2008, 73, 2731-2737.	3.2	61
121	Green solid-phase peptide synthesis 4. Î³-Valerolactone and N -formylmorpholine as green solvents for solid phase peptide synthesis. Tetrahedron Letters, 2017, 58, 2986-2988.	1.4	61
122	3-(1-Piperidinyl)alanine formation during the preparation ofC-terminal cysteine peptides with the Fmoc/t-Bu strategy. International Journal of Peptide Research and Therapeutics, 1996, 3, 157-166.	0.1	60
123	Solid-Phase Peptide Synthesis in the Reverse (Nâ†'C) Direction. Organic Letters, 2000, 2, 1815-1817.	4.6	60
124	Oral Insulin-Mimetic Compounds That Act Independently of Insulin. Diabetes, 2007, 56, 486-493.	0.6	60
125	The Pharmaceutical Industry in 2021. An Analysis of FDA Drug Approvals from the Perspective of Molecules. Molecules, 2022, 27, 1075.	3.8	60
126	Use of BOP reagent for the suppression of diketopiperazine formation in boc/bzl solid-phase peptide synthesis. Tetrahedron Letters, 1990, 31, 7363-7366.	1.4	59

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127	The synergy of ChemMatrix resinÂ® and pseudoproline building blocks renders Rantes, a complex aggregated chemokine. Biopolymers, 2006, 84, 566-575.	2.4	59
128	Solid-phase synthesis of diketopiperazines, useful scaffolds for combinatorial chemistry. Tetrahedron Letters, 1998, 39, 2639-2642.	1.4	58
129	Practical approach to solidâ€phase synthesis of Câ€terminal peptide amides under mild conditions based on a photolysable anchoring linkage¹. International Journal of Peptide and Protein Research, 1990, 36, 31-45.	0.1	58
130	Preparation of a Trp-BODIPY fluorogenic amino acid to label peptides for enhanced live-cell fluorescence imaging. Nature Protocols, 2017, 12, 1588-1619.	12.0	58
131	Binding and toxicity of apamin. Characterization of the active site. FEBS Journal, 1991, 196, 639-645.	0.2	57
132	IBTM-Containing Gramicidin S Analogues:â€‰ Evidence for IBTM as a Suitable Type IIâ€˜ Î²-Turn Mimetic1,2. Journal of the American Chemical Society, 1997, 119, 10579-10586.	13.7	57
133	Convergent solid phase peptide synthesis. II. Synthesis of the 1â€“6 apamin protected segment on a NBB-resin. Synthesis of apamin. Tetrahedron, 1982, 38, 1193-1201.	1.9	56
134	The effect of N-methylation of amino acids (Ac-X-OMe) on solubility and conformation: a DFT study. Organic and Biomolecular Chemistry, 2015, 13, 9993-10006.	2.8	55
135	Isololiolide, a carotenoid metabolite isolated from the brown alga Cystoseira tamariscifolia, is cytotoxic and able to induce apoptosis in hepatocarcinoma cells through caspase-3 activation, decreased Bcl-2 levels, increased p53 expression and PARP cleavage. Phytomedicine, 2016, 23, 550-557.	5.3	55
136	Gated Mesoporous Silica Nanoparticles Using a Doubleâ€Role Circular Peptide for the Controlled and Targetâ€Preferential Release of Doxorubicin in CXCR4â€Expresing Lymphoma Cells. Advanced Functional Materials, 2015, 25, 687-695.	14.9	54
137	2019 FDA TIDES (Peptides and Oligonucleotides) Harvest. Pharmaceuticals, 2020, 13, 40.	3.8	54
138	Preparation and Applications of Xanthenylamide (XAL) Handles for Solid-Phase Synthesis of C-Terminal Peptide Amides under Particularly Mild Conditions1-3. Journal of Organic Chemistry, 1996, 61, 6326-6339.	3.2	53
139	ChemMatrix^{Â®} for complex peptides and combinatorial chemistry. Journal of Peptide Science, 2010, 16, 675-678.	1.4	53
140	Antioxidant and Cytotoxic Activities of Carob Tree Fruit Pulps Are Strongly Influenced by Gender and Cultivar. Journal of Agricultural and Food Chemistry, 2011, 59, 7005-7012.	5.2	53
141	S-2,4,6-trimethoxybenzyl (Tmob): a novel cysteine protecting group for the N.alpha.-(9-fluorenylmethoxycarbonyl) (Fmoc) strategy of peptide synthesis. Journal of Organic Chemistry, 1992, 57, 3013-3018.	3.2	52
142	Total Syntheses of Variolin B and Deoxyvariolin B1. Journal of Organic Chemistry, 2003, 68, 10020-10029.	3.2	52
143	Green Solid-Phase Peptide Synthesis (GSPPS) 3. Green Solvents for Fmoc Removal in Peptide Chemistry. Organic Process Research and Development, 2017, 21, 365-369.	2.7	52
144	Comparative study of supports for solid-phase coupling of protected-peptide segments. Journal of Organic Chemistry, 1989, 54, 360-366.	3.2	51

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145	Solid-phase synthesis of peptides using allylic anchoring groups. An investigation of their palladium-catalysed cleavage. Tetrahedron Letters, 1991, 32, 4207-4210.	1.4	51
146	Solid-phase synthesis of lamellarins Q and O. Tetrahedron, 2004, 60, 8659-8668.	1.9	51
147	Lysine Scanning of Arg₁₀â€"Teixobactin: Deciphering the Role of Hydrophobic and Hydrophilic Residues. ACS Omega, 2016, 1, 1262-1265.	3.5	51
148	2020 FDA TIDES (Peptides and Oligonucleotides) Harvest. Pharmaceuticals, 2021, 14, 145.	3.8	51
149	Stepwise solid-phase synthesis of oligonucleotide-peptide hybrids. Tetrahedron Letters, 1994, 35, 2733-2736.	1.4	50
150	Active carbonate resins: Application to the solid-phase synthesis of alcohol, carbamate and cyclic peptides. Tetrahedron, 1998, 54, 10125-10152.	1.9	50
151	Abbreviated nomenclature for cyclic and branched homo- and hetero-detic peptides. Chemical Biology and Drug Design, 2005, 65, 550-555.	1.1	50
152	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
153	Optimized Fmoc solidâ€phase synthesis of the cysteineâ€rich peptide linaclotide. Biopolymers, 2011, 96, 69-80.	2.4	50
154	Trimethoxyphenylthio as a Highly Labile Replacement for tert-Butylthio Cysteine Protection in Fmoc Solid Phase Synthesis. Organic Letters, 2012, 14, 5468-5471.	4.6	50
155	â€œHead-to-Side-Chainâ€•Cyclodepsipeptides of Marine Origin. Marine Drugs, 2013, 11, 1693-1717.	4.6	50
156	Stapled Peptides by Lateâ€Stage C(sp³)âˆ'H Activation. Angewandte Chemie, 2017, 129, 320-324.	2.0	50
157	Hydroxamate siderophores: Natural occurrence, chemical synthesis, iron binding affinity and use as Trojan horses against pathogens. European Journal of Medicinal Chemistry, 2020, 208, 112791.	5.5	50
158	A Re-evaluation of the Use of Rink, BAL, and PAL Resins and Linkers. QSAR and Combinatorial Science, 2004, 23, 145-152.	1.4	49
159	IB-01212, a New Cytotoxic Cyclodepsipeptide Isolated from the Marine FungusClonostachyssp. ESNA-A009. Journal of Organic Chemistry, 2006, 71, 3335-3338.	3.2	49
160	The first total synthesis of the cyclodepsipeptide pipecolidepsin A. Nature Communications, 2013, 4, 2352.	12.8	49
161	Inhibition of beta-amyloid toxicity by short peptides containing N-methyl amino acids. Chemical Biology and Drug Design, 2004, 63, 324-328.	1.1	48
162	Microwave irradiation and COMU: a potent combination for solid-phase peptide synthesis. Tetrahedron Letters, 2009, 50, 6200-6202.	1.4	48

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163	Linkers: An Assurance for Controlled Delivery of Antibody-Drug Conjugate. Pharmaceutics, 2022, 14, 396.	4.5	48
164	2021 FDA TIDES (Peptides and Oligonucleotides) Harvest. Pharmaceuticals, 2022, 15, 222.	3.8	48
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