

Fernando Albericio

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

815
papers

24,566
citations

72
h-index

119
g-index

942
ext. papers

27,463
ext. citations

5.4
avg, IF

7.35
L-index

#	Paper	IF	Citations
815	Peptide coupling reagents, more than a letter soup. <i>Chemical Reviews</i> , 2011 , 111, 6557-602	68.1	716
814	Amino acid-protecting groups. <i>Chemical Reviews</i> , 2009 , 109, 2455-504	68.1	535
813	Structure, bioactivity and synthesis of natural products with hexahydropyrrolo[2,3-b]indole. <i>Chemistry - A European Journal</i> , 2011 , 17, 1388-408	4.8	367
812	Multifaceted roles of disulfide bonds. Peptides as therapeutics. <i>Chemical Reviews</i> , 2014 , 114, 901-26	68.1	365
811	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. <i>Journal of Organic Chemistry</i> , 1990 , 55, 3730-3743	4.2	310
810	Peptide and amide bond-containing dendrimers. <i>Chemical Reviews</i> , 2005 , 105, 1663-81	68.1	296
809	Advantageous applications of azabenzotriazole (triazolopyridine)-based coupling reagents to solid-phase peptide synthesis. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 201		292
808	Backbone Amide Linker (BAL) Strategy for Solid-Phase Synthesis of C-Terminal-Modified and Cyclic Peptides ^{1,2,3} . <i>Journal of the American Chemical Society</i> , 1998 , 120, 5441-5452	16.4	273
807	Oxyma: an efficient additive for peptide synthesis to replace the benzotriazole-based HOBt and HOAt with a lower risk of explosion. <i>Chemistry - A European Journal</i> , 2009 , 15, 9394-403	4.8	268
806	Tetrahydrofuran-containing macrolides: a fascinating gift from the deep sea. <i>Chemical Reviews</i> , 2013 , 113, 4567-610	68.1	226
805	A novel, convenient, three-dimensional orthogonal strategy for solid-phase synthesis of cyclic peptides. <i>Tetrahedron Letters</i> , 1993 , 34, 1549-1552	2	223
804	Amphiphilic peptides and their cross-disciplinary role as building blocks for nanoscience. <i>Chemical Society Reviews</i> , 2010 , 39, 241-63	58.5	222
803	COMU: a safer and more effective replacement for benzotriazole-based uronium coupling reagents. <i>Chemistry - A European Journal</i> , 2009 , 15, 9404-16	4.8	219
802	Targeted PLGA nano- but not microparticles specifically deliver antigen to human dendritic cells via DC-SIGN in vitro. <i>Journal of Controlled Release</i> , 2010 , 144, 118-26	11.7	218
801	ChemMatrix, a poly(ethylene glycol)-based support for the solid-phase synthesis of complex peptides. <i>ACS Combinatorial Science</i> , 2006 , 8, 213-20		213
800	Developments in peptide and amide synthesis. <i>Current Opinion in Chemical Biology</i> , 2004 , 8, 211-21	9.7	208
799	Use of Onium Salt-Based Coupling Reagents in Peptide Synthesis ¹ . <i>Journal of Organic Chemistry</i> , 1998 , 63, 9678-9683	4.2	206

798	New peptide architectures through C-H activation stapling between tryptophan-phenylalanine/tyrosine residues. <i>Nature Communications</i> , 2015 , 6, 7160	17.4	184
797	Occurrence and Minimization of Cysteine Racemization during Stepwise Solid-Phase Peptide Synthesis(1),(2). <i>Journal of Organic Chemistry</i> , 1997 , 62, 4307-4312	4.2	182
796	Efficiency in Peptide Coupling: 1-Hydroxy-7-azabenzotriazole vs 3,4-Dihydro-3-hydroxy-4-oxo-1,2,3-benzotriazine. <i>Journal of Organic Chemistry</i> , 1995 , 60, 3561-3564	4.2	176
795	Polymers and drug delivery systems. <i>Current Drug Delivery</i> , 2012 , 9, 367-94	3.2	174
794	Racemization studies during solid-phase peptide synthesis using azabenzotriazole-based coupling reagents. <i>Tetrahedron Letters</i> , 1994 , 35, 2279-2282	2	172
793	Convergent solid-phase peptide synthesis. <i>Tetrahedron</i> , 1993 , 49, 11065-11133	2.4	151
792	From production of peptides in milligram amounts for research to multi-tons quantities for drugs of the future. <i>Current Pharmaceutical Biotechnology</i> , 2004 , 5, 29-43	2.6	142
791	Backbone Amide Linker (BAL) Strategy for N(alpha)-9-Fluorenylmethoxycarbonyl (Fmoc) Solid-Phase Synthesis of Unprotected Peptide p-Nitroanilides and Thioesters(1). <i>Journal of Organic Chemistry</i> , 1999 , 64, 8761-8769	4.2	140
790	CuAAC: An Efficient Click Chemistry Reaction on Solid Phase. <i>ACS Combinatorial Science</i> , 2016 , 18, 1-14	3.9	139
789	Postsynthetic modification of peptides: chemoselective C-arylation of tryptophan residues. <i>Chemistry - A European Journal</i> , 2010 , 16, 1124-7	4.8	138
788	Chemical Protein Synthesis Using a Second-Generation N-Acylurea Linker for the Preparation of Peptide-Thioester Precursors. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7197-209	16.4	137
787	On the use of PyAOP, a phosphonium salt derived from HOAt, in solid-phase peptide synthesis. <i>Tetrahedron Letters</i> , 1997 , 38, 4853-4856	2	137
786	Use of Alloc-amino acids in solid-phase peptide synthesis. Tandem deprotection-coupling reactions using neutral conditions. <i>Tetrahedron Letters</i> , 1997 , 38, 7275-7278	2	137
785	Engineering advanced capsosomes: maximizing the number of subcompartments, cargo retention, and temperature-triggered reaction. <i>ACS Nano</i> , 2010 , 4, 1351-61	16.7	129
784	Automated allyl cleavage for continuous-flow synthesis of cyclic and branched peptides. <i>Analytical Biochemistry</i> , 1993 , 212, 303-10	3.1	123
783	The road to the synthesis of "difficult peptides". <i>Chemical Society Reviews</i> , 2016 , 45, 631-54	58.5	122
782	Thiopeptide antibiotics: retrospective and recent advances. <i>Marine Drugs</i> , 2014 , 12, 317-51	6	122
781	Preparation and applications of polyethylene glycol-polystyrene graft resin supports for solid-phase peptide synthesis. <i>Reactive & Functional Polymers</i> , 1994 , 22, 243-258		118

780	Three-dimensional orthogonal protection scheme for solid-phase peptide synthesis under mild conditions. <i>Journal of the American Chemical Society</i> , 1985 , 107, 4936-4942	16.4	117
779	Adenosine A2A receptor-antagonist/dopamine D2 receptor-agonist bivalent ligands as pharmacological tools to detect A2A-D2 receptor heteromers. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 5590-602	8.3	116
778	Manufacturing peptides as active pharmaceutical ingredients. <i>Future Medicinal Chemistry</i> , 2009 , 1, 361-77.1	11.1	116
777	Directly Linked Polyazoles: Important Moieties in Natural Products. <i>Synthesis</i> , 2005 , 2005, 1907-1922	2.9	114
776	Stapled Peptides by Late-Stage C(sp ³)-H Activation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 314-318	16.4	113
775	Stepwise Automated Solid Phase Synthesis of Naturally Occurring Peptaibols Using Fmoc Amino Acid Fluorides. <i>Journal of Organic Chemistry</i> , 1995 , 60, 405-410	4.2	113
774	Peptides and metallic nanoparticles for biomedical applications. <i>Nanomedicine</i> , 2007 , 2, 287-306	5.6	109
773	Capsosomes with Multilayered Subcompartments: Assembly and Loading with Hydrophobic Cargo. <i>Advanced Functional Materials</i> , 2010 , 20, 59-66	15.6	106
772	Covalent immobilization of hLF1-11 peptide on a titanium surface reduces bacterial adhesion and biofilm formation. <i>Acta Biomaterialia</i> , 2014 , 10, 3522-34	10.8	104
771	Peptide dendrimers based on polyproline helices. <i>Journal of the American Chemical Society</i> , 2002 , 124, 8876-83	16.4	104
770	Synthesis and structure determination of kahalalide F (1,2). <i>Journal of the American Chemical Society</i> , 2001 , 123, 11398-401	16.4	103
769	Fmoc solid-phase synthesis of peptide thioesters by masking as trithioortho esters. <i>Organic Letters</i> , 2003 , 5, 2951-3	6.2	101
768	Design, synthesis, and conformational analysis of azacycloalkane amino acids as conformationally constrained probes for mimicry of peptide secondary structures. <i>Biopolymers</i> , 2000 , 55, 101-22	2.2	99
767	An acid-labile anchoring linkage for solid-phase synthesis of C-terminal peptide amides under mild conditions. <i>International Journal of Peptide and Protein Research</i> , 1987 , 30, 206-16		95
766	Solid-phase synthesis and characterization of N-methyl-rich peptides. <i>Chemical Biology and Drug Design</i> , 2005 , 65, 153-66		94
765	Modular total synthesis of lamellarin D. <i>Journal of Organic Chemistry</i> , 2005 , 70, 8231-4	4.2	94
764	Synthesis and structure-activity relationship study of potent cytotoxic analogues of the marine alkaloid Lamellarin D. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 3257-68	8.3	93
763	A new class of foldamers based on cis-gamma-amino-L-proline. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6048-57	16.4	92

762	Synthesis of C-2 arylated tryptophan amino acids and related compounds through palladium-catalyzed C-H activation. <i>Journal of Organic Chemistry</i> , 2013 , 78, 8129-35	4.2	91
761	The 2,2,4,6,7-pentamethyldihydrobenzofuran-5-sulfonyl group (Pbf) as arginine side chain protectant. <i>Tetrahedron Letters</i> , 1993 , 34, 7829-7832	2	91
760	Targeting nanoparticles to dendritic cells for immunotherapy. <i>Methods in Enzymology</i> , 2012 , 509, 143-63	1.7	90
759	Cell-penetrating cis-gamma-amino-l-proline-derived peptides. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9459-68	16.4	90
758	Formation of disulfide bonds in synthetic peptides and proteins. <i>Methods in Molecular Biology</i> , 1994 , 35, 91-169	1.4	87
757	Improving the brain delivery of gold nanoparticles by conjugation with an amphipathic peptide. <i>Nanomedicine</i> , 2010 , 5, 897-913	5.6	85
756	Role of the Nozaki-Hiyama-Takai-Kishi Reaction in the Synthesis of Natural Products. <i>Chemical Reviews</i> , 2017 , 117, 8420-8446	68.1	82
755	Synthesis and in vivo evaluation of the biodistribution of a 18F-labeled conjugate gold-nanoparticle-peptide with potential biomedical application. <i>Bioconjugate Chemistry</i> , 2012 , 23, 399-408	6.3	82
754	Spacer-free BODIPY fluorogens in antimicrobial peptides for direct imaging of fungal infection in human tissue. <i>Nature Communications</i> , 2016 , 7, 10940	17.4	81
753	Enolase as a plasminogen binding protein in <i>Leishmania mexicana</i> . <i>Parasitology Research</i> , 2007 , 101, 1511-6	1.6	81
752	Synthesis of defined peptide-oligonucleotide hybrids containing a nuclear transport signal sequence.. <i>Tetrahedron</i> , 1991 , 47, 4113-4120	2.4	78
751	The Pharmaceutical Industry in 2019. An Analysis of FDA Drug Approvals from the Perspective of Molecules. <i>Molecules</i> , 2020 , 25,	4.8	76
750	Orthogonal protecting groups for N(alpha)-amino and C-terminal carboxyl functions in solid-phase peptide synthesis. <i>Biopolymers</i> , 2000 , 55, 123-39	2.2	76
749	Solid-Phase Synthesis with Tris(alkoxy)benzyl Backbone Amide Linkage (BAL) \square <i>Chemistry - A European Journal</i> , 1999 , 5, 2787-2795	4.8	76
748	Structural studies of reagents for peptide bond formation: Crystal and molecular structures of HBTU and HATU. <i>International Journal of Peptide Research and Therapeutics</i> , 1994 , 1, 57-67		76
747	Solid-phase synthesis of bead-to-tail \square cyclic peptides via lysine side-chain anchoring. <i>Tetrahedron Letters</i> , 1994 , 35, 9633-9636	2	76
746	COMU: a third generation of uronium-type coupling reagents. <i>Journal of Peptide Science</i> , 2010 , 16, 6-9	2.1	73
745	Targeting nanosystems to human DCs via Fc receptor as an effective strategy to deliver antigen for immunotherapy. <i>Molecular Pharmaceutics</i> , 2011 , 8, 104-16	5.6	72

744	Coupling reagents and activation. <i>Methods in Enzymology</i> , 1997 , 289, 104-26	1.7	72
743	The Pharmaceutical Industry in 2018. An Analysis of FDA Drug Approvals from the Perspective of Molecules. <i>Molecules</i> , 2019 , 24,	4.8	70
742	Thiopeptide engineering: a multidisciplinary effort towards future drugs. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6602-16	16.4	70
741	Cyclization of disulfide-containing peptides in solid-phase synthesis. <i>International Journal of Peptide and Protein Research</i> , 1991 , 37, 402-13		70
740	Total Synthesis of Dehydrodidemnin B. Use of Uronium and Phosphonium Salt Coupling Reagents in Peptide Synthesis in Solution. <i>Journal of Organic Chemistry</i> , 1997 , 62, 354-366	4.2	70
739	Solid-phase total synthesis of the pentacyclic system lamellarins U and L. <i>Organic Letters</i> , 2003 , 5, 2959-62	6.2	70
738	On the use of s-t-butylsulphenyl group for protection of cysteine in solid-phase peptide synthesis using fmoc-amino acids. <i>Tetrahedron</i> , 1987 , 43, 2675-2680	2.4	70
737	Phenolic composition, antioxidant potential and in vitro inhibitory activity of leaves and acorns of <i>Quercus suber</i> on key enzymes relevant for hyperglycemia and Alzheimer's disease. <i>Industrial Crops and Products</i> , 2015 , 64, 45-51	5.9	69
736	Choosing the Right Coupling Reagent for Peptides: A Twenty-Five-Year Journey. <i>Organic Process Research and Development</i> , 2018 , 22, 760-772	3.9	69
735	Progress on lamellarins. <i>MedChemComm</i> , 2011 , 2, 689-697	5	69
734	Microalgae of different phyla display antioxidant, metal chelating and acetylcholinesterase inhibitory activities. <i>Food Chemistry</i> , 2012 , 131, 134-140	8.5	68
733	Conjugation of Kahalalide F with gold nanoparticles to enhance in vitro antitumoral activity. <i>Bioconjugate Chemistry</i> , 2009 , 20, 138-46	6.3	67
732	Synthesis and Biological Evaluation of a Teixobactin Analogue. <i>Organic Letters</i> , 2015 , 17, 6182-5	6.2	66
731	Improved approach for anchoring N alpha-9-fluorenylmethyloxycarbonylamino acids as p-alkoxybenzyl esters in solid-phase peptide synthesis. <i>International Journal of Peptide and Protein Research</i> , 1985 , 26, 92-7		66
730	Disulfide Formation Strategies in Peptide Synthesis. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 3519-3530	3.2	64
729	Molecular cloning of cDNAs encoding a putative cell wall protein from <i>Zea mays</i> and immunological identification of related polypeptides. <i>Plant Molecular Biology</i> , 1988 , 11, 483-93	4.6	64
728	Aspartimide formation in peptide chemistry: occurrence, prevention strategies and the role of N-hydroxylamines. <i>Tetrahedron</i> , 2011 , 67, 8595-8606	2.4	63
727	N-BAlloc temporary protection in solid-phase peptide synthesis. The use of amine-Borane complexes as allyl group scavengers. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999 , 2871-2874		63

726	Solid-phase peptide synthesis in water using microwave-assisted heating. <i>Organic Letters</i> , 2009 , 11, 4488-91	6.1	61
725	Practical protocols for stepwise solid-phase synthesis of cysteine-containing peptides. <i>Chemical Biology and Drug Design</i> , 2002 , 60, 292-9		61
724	Multifunctionalized gold nanoparticles with peptides targeted to gastrin-releasing peptide receptor of a tumor cell line. <i>Bioconjugate Chemistry</i> , 2010 , 21, 1070-8	6.3	60
723	Stable conjugates of peptides with gold nanorods for biomedical applications with reduced effects on cell viability. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 4076-85	9.5	59
722	Synthesis in vitro of a seven amino acid peptide encoded in the leader RNA of Rous sarcoma virus. <i>Journal of Molecular Biology</i> , 1986 , 190, 45-57	6.5	58
721	Novel peptide-based platform for the dual presentation of biologically active peptide motifs on biomaterials. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 6525-36	9.5	56
720	Solid-phase synthesis of diketopiperazines, useful scaffolds for combinatorial chemistry. <i>Tetrahedron Letters</i> , 1998 , 39, 2639-2642	2	56
719	Solid-phase synthesis of C-terminal modified peptides. <i>Biopolymers</i> , 2003 , 71, 454-77	2.2	56
718	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. <i>Tetrahedron Letters</i> , 1996 , 37, 4195-4198	2	56
717	Active carbonate resins for solid-phase synthesis through the anchoring of a hydroxyl function. Synthesis of cyclic and alcohol peptides. <i>Tetrahedron Letters</i> , 1997 , 38, 883-886	2	55
716	Morpholine-based immonium and halogenoamidinium salts as coupling reagents in Peptide synthesis1. <i>Journal of Organic Chemistry</i> , 2008 , 73, 2731-7	4.2	55
715	Green Solid-Phase Peptide Synthesis 2. 2-Methyltetrahydrofuran and Ethyl Acetate for Solid-Phase Peptide Synthesis under Green Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 6809-6814	8.3	55
714	Solution- and solid-phase synthesis and anti-HIV activity of maslinic acid derivatives containing amino acids and peptides. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 1139-45	3.4	54
713	Handles for Fmoc solid-phase synthesis of protected peptides. <i>ACS Combinatorial Science</i> , 2013 , 15, 217-38	3.8	53
712	Green Transformation of Solid-Phase Peptide Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 3671-3683	8.3	52
711	2-Methyltetrahydrofuran and cyclopentyl methyl ether for green solid-phase peptide synthesis. <i>Amino Acids</i> , 2016 , 48, 419-26	3.5	52
710	3-(1-Piperidinyl)alanine formation during the preparation of C-terminal cysteine peptides with the Fmoc/t-Bu strategy. <i>International Journal of Peptide Research and Therapeutics</i> , 1996 , 3, 157-166		52
709	Constrained Cyclopeptides: Biaryl Formation through Pd-Catalyzed C-H Activation in Peptides-Structural Control of the Cyclization vs. Cyclodimerization Outcome. <i>Chemistry - A European Journal</i> , 2016 , 22, 13114-9	4.8	51

708	IBTM-Containing Gramicidin S Analogues: Evidence for IBTM as a Suitable Type III Turn Mimetic. <i>Journal of the American Chemical Society</i> , 1997 , 119, 10579-10586	16.4	50
707	Oral insulin-mimetic compounds that act independently of insulin. <i>Diabetes</i> , 2007 , 56, 486-93	0.9	50
706	Solid-phase peptide synthesis in the reverse (N → C) direction. <i>Organic Letters</i> , 2000 , 2, 1815-7	6.2	50
705	Use of BOP reagent for the suppression of diketopiperazine formation in boc/bzl solid-phase peptide synthesis. <i>Tetrahedron Letters</i> , 1990 , 31, 7363-7366	2	50
704	Peptide synthesis beyond DMF: THF and ACN as excellent and friendlier alternatives. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 2393-8	3.9	49
703	Fatty acid composition and biological activities of <i>Isochrysis galbana</i> T-ISO, <i>Tetraselmis</i> sp. and <i>Scenedesmus</i> sp.: possible application in the pharmaceutical and functional food industries. <i>Journal of Applied Phycology</i> , 2014 , 26, 151-161	3.2	49
702	The synergy of ChemMatrix resin and pseudoproline building blocks renders RANTES, a complex aggregated chemokine. <i>Biopolymers</i> , 2006 , 84, 566-75	2.2	49
701	Binding and toxicity of apamin. Characterization of the active site. <i>FEBS Journal</i> , 1991 , 196, 639-45		49
700	ChemMatrix() for complex peptides and combinatorial chemistry. <i>Journal of Peptide Science</i> , 2010 , 16, 675-8	2.1	48
699	Solid-phase synthesis of peptides using allylic anchoring groups. An investigation of their palladium-catalysed cleavage. <i>Tetrahedron Letters</i> , 1991 , 32, 4207-4210	2	48
698	Deprotection Reagents in Fmoc Solid Phase Peptide Synthesis: Moving Away from Piperidine?. <i>Molecules</i> , 2016 , 21,	4.8	48
697	Gated Mesoporous Silica Nanoparticles Using a Double-Role Circular Peptide for the Controlled and Target-Preferential Release of Doxorubicin in CXCR4-Expressing Lymphoma Cells. <i>Advanced Functional Materials</i> , 2015 , 25, 687-695	15.6	47
696	Phytochemical profile, antioxidant and cytotoxic activities of the carob tree (<i>Ceratonia siliqua</i> L.) germ flour extracts. <i>Plant Foods for Human Nutrition</i> , 2011 , 66, 78-84	3.9	47
695	Active carbonate resins: Application to the solid-phase synthesis of alcohol, carbamate and cyclic peptides. <i>Tetrahedron</i> , 1998 , 54, 10125-10152	2.4	47
694	Total syntheses of variolin B and deoxyvariolin B. <i>Journal of Organic Chemistry</i> , 2003 , 68, 10020-9	4.2	47
693	Identification of New Activators of Mitochondrial Fusion Reveals a Link between Mitochondrial Morphology and Pyrimidine Metabolism. <i>Cell Chemical Biology</i> , 2018 , 25, 268-278.e4	8.2	46
692	Short AntiMicrobial Peptides (SAMPs) as a class of extraordinary promising therapeutic agents. <i>Journal of Peptide Science</i> , 2016 , 22, 438-51	2.1	46
691	Green solid-phase peptide synthesis 4. Valerolactone and N-formylmorpholine as green solvents for solid phase peptide synthesis. <i>Tetrahedron Letters</i> , 2017 , 58, 2986-2988	2	46

690	Solid-phase synthesis of lamellarins Q and O. <i>Tetrahedron</i> , 2004 , 60, 8659-8668	2.4	46
689	Comparative study of supports for solid-phase coupling of protected-peptide segments. <i>Journal of Organic Chemistry</i> , 1989 , 54, 360-366	4.2	46
688	Convergent solid phase peptide synthesis. II. Synthesis of the 18 apamin protected segment on a NBB-resin. Synthesis of apamin. <i>Tetrahedron</i> , 1982 , 38, 1193-1201	2.4	46
687	Lysine Scanning of Arg-Teixobactin: Deciphering the Role of Hydrophobic and Hydrophilic Residues. <i>ACS Omega</i> , 2016 , 1, 1262-1265	3.9	46
686	Stapled Peptides by Late-Stage C(sp ³) Activation. <i>Angewandte Chemie</i> , 2017 , 129, 320-324	3.6	45
685	Microwave-Assisted Green Solid-Phase Peptide Synthesis Using γ -Valerolactone (GVL) as Solvent. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8034-8039	8.3	45
684	Solid-phase synthesis of oxathiocoraline by a key intermolecular disulfide dimer. <i>Journal of the American Chemical Society</i> , 2007 , 129, 5322-3	16.4	45
683	A comparative study of different presentation strategies for an HIV peptide immunogen. <i>Bioconjugate Chemistry</i> , 2004 , 15, 112-20	6.3	45
682	Multicomponent reactions with dihydroazines: efficient synthesis of a diverse set of pyrido-fused tetrahydroquinolines. <i>ACS Combinatorial Science</i> , 2005 , 7, 33-41		45
681	Stepwise solid-phase synthesis of oligonucleotide-peptide hybrids. <i>Tetrahedron Letters</i> , 1994 , 35, 2733-2736		45
680	S-2,4,6-trimethoxybenzyl (Tmob): a novel cysteine protecting group for the N.alpha.-(9-fluorenylmethoxycarbonyl) (Fmoc) strategy of peptide synthesis. <i>Journal of Organic Chemistry</i> , 1992 , 57, 3013-3018	4.2	45
679	The effect of N-methylation of amino acids (Ac-X-OMe) on solubility and conformation: a DFT study. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 9993-10006	3.9	44
678	Greening Fmoc/tBu solid-phase peptide synthesis. <i>Green Chemistry</i> , 2020 , 22, 996-1018	10	44
677	Identification of Antimicrobial Peptides from the Microalgae (Kylin) Butcher and Bactericidal Activity Improvement. <i>Marine Drugs</i> , 2019 , 17,	6	44
676	Practical approach to solid-phase synthesis of C-terminal peptide amides under mild conditions based on a photolysable anchoring linkage. <i>International Journal of Peptide and Protein Research</i> , 1990 , 36, 31-45		44
675	Microwave irradiation and COMU: a potent combination for solid-phase peptide synthesis. <i>Tetrahedron Letters</i> , 2009 , 50, 6200-6202	2	44
674	Inhibition of beta-amyloid toxicity by short peptides containing N-methyl amino acids. <i>Chemical Biology and Drug Design</i> , 2004 , 63, 324-8		44
673	Isololiolide, a carotenoid metabolite isolated from the brown alga <i>Cystoseira tamariscifolia</i> , is cytotoxic and able to induce apoptosis in hepatocarcinoma cells through caspase-3 activation, decreased Bcl-2 levels, increased p53 expression and PARP cleavage. <i>Phytomedicine</i> , 2016 , 23, 550-7	6.5	43

- 672 Trimethoxyphenylthio as a highly labile replacement for tert-butylthio cysteine protection in Fmoc solid phase synthesis. *Organic Letters*, **2012**, 14, 5468-71 6.2 43
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- 670 Synthesis and SAR of alpha-acylaminoketone ligands for control of gene expression. *Bioorganic and Medicinal Chemistry Letters*, **2003**, 13, 475-8 2.9 43
- 669 Abbreviated nomenclature for cyclic and branched homo- and hetero-detic peptides. *Chemical Biology and Drug Design*, **2005**, 65, 550-5 43
- 668 p-Nitrobenzyloxycarbonyl (pNZ) as a Temporary N α -Protecting Group in Orthogonal Solid-Phase Peptide Synthesis Avoiding Diketopiperazine and Aspartimide Formation. *European Journal of Organic Chemistry*, **2005**, 2005, 3031-3039 3.2 43
- 667 Preparation and Applications of Xanthenylamide (XAL) Handles for Solid-Phase Synthesis of C-Terminal Peptide Amides under Particularly Mild Conditions(1-3). *Journal of Organic Chemistry*, **1996**, 61, 6326-6339 4.2 43
- 666 The first total synthesis of the cyclodepsipeptide pipercolidepsin A. *Nature Communications*, **2013**, 4, 23527.4 4.2
- 665 Use of the Npys thiol protection in solid phase peptide synthesis. Application to direct peptide-protein conjugation through cysteine residues. *International Journal of Peptide and Protein Research*, **1989**, 34, 124-8 4.1
- 664 Solid-phase total synthesis of trunkamide A(1). *Journal of Organic Chemistry*, **2001**, 66, 7568-74 4.2 4.1
- 663 A Trp-BODIPY cyclic peptide for fluorescence labelling of apoptotic bodies. *Chemical Communications*, **2017**, 53, 945-948 5.8 4.0
- 662 Optimized Fmoc solid-phase synthesis of the cysteine-rich peptide linaclotide. *Biopolymers*, **2011**, 96, 69-80 2.2 4.0
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