

# Beatriz G De La Torre

## List of Publications by Citations

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189  
papers

3,780  
citations

34  
h-index

49  
g-index

218  
ext. papers

4,528  
ext. citations

4.8  
avg, IF

6.04  
L-index

#	Paper	IF	Citations
189	Nanotechnology: carbon nanotubes with DNA recognition. <i>Nature</i> , <b>2002</b> , 420, 761	50.4	419
188	Enhanced mucosal immunoglobulin A response and solid protection against foot-and-mouth disease virus challenge induced by a novel dendrimeric peptide. <i>Journal of Virology</i> , <b>2008</b> , 82, 7223-30	6.6	82
187	The Pharmaceutical Industry in 2019. An Analysis of FDA Drug Approvals from the Perspective of Molecules. <i>Molecules</i> , <b>2020</b> , 25,	4.8	76
186	Activity of cecropin A-melittin hybrid peptides against colistin-resistant clinical strains of <i>Acinetobacter baumannii</i> : molecular basis for the differential mechanisms of action. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2006</b> , 50, 1251-6	5.9	73
185	The Pharmaceutical Industry in 2018. An Analysis of FDA Drug Approvals from the Perspective of Molecules. <i>Molecules</i> , <b>2019</b> , 24,	4.8	70
184	Synthesis and Biological Evaluation of a Teixobactin Analogue. <i>Organic Letters</i> , <b>2015</b> , 17, 6182-5	6.2	66
183	Bactericidal and membrane disruption activities of the eosinophil cationic protein are largely retained in an N-terminal fragment. <i>Biochemical Journal</i> , <b>2009</b> , 421, 425-34	3.8	61
182	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> , <b>2016</b> , 4, 6809-6814	8.3	55
181	Green Transformation of Solid-Phase Peptide Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 3671-3683	8.3	52
180	2-Methyltetrahydrofuran and cyclopentyl methyl ether for green solid-phase peptide synthesis. <i>Amino Acids</i> , <b>2016</b> , 48, 419-26	3.5	52
179	Peptide synthesis beyond DMF: THF and ACN as excellent and friendlier alternatives. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 2393-8	3.9	49
178	Structural Dissection of Crotalicidin, a Rattlesnake Venom Cathelicidin, Retrieves a Fragment with Antimicrobial and Antitumor Activity. <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 8553-63	8.3	46
177	Short AntiMicrobial Peptides (SAMPs) as a class of extraordinary promising therapeutic agents. <i>Journal of Peptide Science</i> , <b>2016</b> , 22, 438-51	2.1	46
176	Green solid-phase peptide synthesis 4. $\gamma$ -Valerolactone and N-formylmorpholine as green solvents for solid phase peptide synthesis. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 2986-2988	2	46
175	Viperidins: a novel family of cathelicidin-related peptides from the venom gland of South American pit vipers. <i>Amino Acids</i> , <b>2014</b> , 46, 2561-71	3.5	46
174	Lysine Scanning of Arg-Teixobactin: Deciphering the Role of Hydrophobic and Hydrophilic Residues. <i>ACS Omega</i> , <b>2016</b> , 1, 1262-1265	3.9	46
173	Microwave-Assisted Green Solid-Phase Peptide Synthesis Using $\gamma$ -Valerolactone (GVL) as Solvent. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 8034-8039	8.3	45

172	Stepwise solid-phase synthesis of oligonucleotide-peptide hybrids. <i>Tetrahedron Letters</i> , <b>1994</b> , 35, 2733-2736		45
171	Greening Fmoc/tBu solid-phase peptide synthesis. <i>Green Chemistry</i> , <b>2020</b> , 22, 996-1018	10	44
170	Studies on the antimicrobial activity of cecropin A-melittin hybrid peptides in colistin-resistant clinical isolates of <i>Acinetobacter baumannii</i> . <i>Journal of Antimicrobial Chemotherapy</i> , <b>2006</b> , 58, 95-100	5.1	44
169	Therapeutic index of gramicidin S is strongly modulated by D-phenylalanine analogues at the beta-turn. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 664-74	8.3	43
168	Full protection of swine against foot-and-mouth disease by a bivalent B-cell epitope dendrimer peptide. <i>Antiviral Research</i> , <b>2016</b> , 129, 74-80	10.8	40
167	Green Solid-Phase Peptide Synthesis (GSPPS) 3. Green Solvents for Fmoc Removal in Peptide Chemistry. <i>Organic Process Research and Development</i> , <b>2017</b> , 21, 365-369	3.9	38
166	Structural analysis and assembly of the HIV-1 Gp41 amino-terminal fusion peptide and the pretransmembrane amphipathic-at-interface sequence. <i>Biochemistry</i> , <b>2006</b> , 45, 14337-46	3.2	38
165	Novel pyrazolyl-s-triazine derivatives, molecular structure and antimicrobial activity. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1145, 244-253	3.4	37
164	Converting Teixobactin into a Cationic Antimicrobial Peptide (AMP). <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 7476-7482	8.3	37
163	Hoogsteen-based parallel-stranded duplexes of DNA. Effect of 8-amino-purine derivatives. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 3133-42	16.4	37
162	Solid-phase N-glycopeptide synthesis using allyl side-chain protected Fmoc-amino acids. <i>Tetrahedron Letters</i> , <b>1994</b> , 35, 1033-1034	2	37
161	Sequence inversion and phenylalanine surrogates at the beta-turn enhance the antibiotic activity of gramicidin S. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 4119-29	8.3	36
160	A novel cell-penetrating peptide sequence derived by structural minimization of a snake toxin exhibits preferential nucleolar localization. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 7041-4	8.3	36
159	Membrane-transferring sequences of the HIV-1 Gp41 ectodomain assemble into an immunogenic complex. <i>Journal of Molecular Biology</i> , <b>2006</b> , 360, 45-55	6.5	36
158	Synthesis and binding properties of oligonucleotides carrying nuclear localization sequences. <i>Bioconjugate Chemistry</i> , <b>1999</b> , 10, 1005-12	6.3	35
157	The Pharmaceutical Industry in 2017. An Analysis of FDA Drug Approvals from the Perspective of Molecules. <i>Molecules</i> , <b>2018</b> , 23,	4.8	34
156	Monitoring antibacterial permeabilization in real time using time-resolved flow cytometry. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2015</b> , 1848, 554-60	3.8	33
155	Re-evaluation of the N-terminal substitution and the D-residues of teixobactin. <i>RSC Advances</i> , <b>2016</b> , 6, 73827-73829	3.7	33

154	The Pharmaceutical Industry in 2020. An Analysis of FDA Drug Approvals from the Perspective of Molecules. <i>Molecules</i> , <b>2021</b> , 26,	4.8	33
153	Nucleic acid delivery by cell penetrating peptides derived from dengue virus capsid protein: design and mechanism of action. <i>FEBS Journal</i> , <b>2014</b> , 281, 191-215	5.7	32
152	Polyethyleneglycol-Based Resins as Solid Supports for the Synthesis of Difficult or Long Peptides. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2007</b> , 13, 265-270	2.1	31
151	2017 FDA Peptide Harvest. <i>Pharmaceuticals</i> , <b>2018</b> , 11,	5.2	31
150	Synthesis of multiple antigenic peptides (MAPs)-strategies and limitations. <i>Journal of Peptide Science</i> , <b>2011</b> , 17, 247-51	2.1	30
149	2019 FDA TIDES (Peptides and Oligonucleotides) Harvest. <i>Pharmaceuticals</i> , <b>2020</b> , 13,	5.2	29
148	Teixobactin as a scaffold for unlimited new antimicrobial peptides: SAR study. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 2788-2796	3.4	29
147	The C-terminus of H-Ras as a target for the covalent binding of reactive compounds modulating Ras-dependent pathways. <i>PLoS ONE</i> , <b>2011</b> , 6, e15866	3.7	29
146	2018 FDA Tides Harvest. <i>Pharmaceuticals</i> , <b>2019</b> , 12,	5.2	28
145	Peptide vaccine candidates against classical swine fever virus: T cell and neutralizing antibody responses of dendrimers displaying E2 and NS2-3 epitopes. <i>Journal of Peptide Science</i> , <b>2011</b> , 17, 24-31	2.1	28
144	Neo-glycopeptides: the importance of sugar core conformation in oxime-linked glycoprobes for interaction studies. <i>Glycoconjugate Journal</i> , <b>2008</b> , 25, 879-87	3	26
143	Improved method for the synthesis of o-glycosylated fmoc amino acids to be used in solid-phase glycopeptide synthesis (Fmoc = fluoren-9-ylmethoxycarbonyl). <i>Journal of the Chemical Society Chemical Communications</i> , <b>1990</b> , 965-967		26
142	Greening the Solid-Phase Peptide Synthesis Process. 2-MeTHF for the Incorporation of the First Amino Acid and Precipitation of Peptides after Global Deprotection. <i>Organic Process Research and Development</i> , <b>2018</b> , 22, 1809-1816	3.9	26
141	Peptides conjugated to silver nanoparticles in biomedicine - a "value-added" phenomenon. <i>Biomaterials Science</i> , <b>2016</b> , 4, 1713-1725	7.4	25
140	Molecular characterization of the interaction of crodamine-derived nucleolar targeting peptides with lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2012</b> , 1818, 2707-17	3.8	25
139	Refining the eosinophil cationic protein antibacterial pharmacophore by rational structure minimization. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 5237-44	8.3	24
138	NMR structural determinants of eosinophil cationic protein binding to membrane and heparin mimetics. <i>Biophysical Journal</i> , <b>2010</b> , 98, 2702-11	2.9	24
137	Lysine N(epsilon)-trimethylation, a tool for improving the selectivity of antimicrobial peptides. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 5587-96	8.3	24

136	Defeating Leishmania resistance to miltefosine (hexadecylphosphocholine) by peptide-mediated drug smuggling: a proof of mechanism for trypanosomatid chemotherapy. <i>Journal of Controlled Release</i> , <b>2012</b> , 161, 835-42	11.7	23
135	Influence of conjugation chemistry and B epitope orientation on the immune response of branched peptide antigens. <i>Bioconjugate Chemistry</i> , <b>2013</b> , 24, 578-85	6.3	23
134	Oxyma-B, an excellent racemization suppressor for peptide synthesis. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 8379-85	3.9	22
133	Insights into the uptake mechanism of NrTP, a cell-penetrating peptide preferentially targeting the nucleolus of tumour cells. <i>Chemical Biology and Drug Design</i> , <b>2012</b> , 79, 907-15	2.9	22
132	The Pharmaceutical Industry in 2016. An Analysis of FDA Drug Approvals from a Perspective of the Molecule Type. <i>Molecules</i> , <b>2017</b> , 22,	4.8	22
131	Efficacy of cecropin A-melittin peptides on a sepsis model of infection by pan-resistant <i>Acinetobacter baumannii</i> . <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , <b>2011</b> , 30, 1391-8	5.3	21
130	Strategies and limitations in dendrimeric immunogen synthesis. The influenza virus M2e epitope as a case study. <i>Bioconjugate Chemistry</i> , <b>2010</b> , 21, 102-10	6.3	21
129	Efficient cellular delivery of $\beta$ -galactosidase mediated by NrTPs, a new family of cell-penetrating peptides. <i>Bioconjugate Chemistry</i> , <b>2011</b> , 22, 2339-44	6.3	21
128	N-methylation in amino acids and peptides: Scope and limitations. <i>Biopolymers</i> , <b>2018</b> , 109, e23110	2.2	20
127	Immobilized coupling reagents: synthesis of amides/peptides. <i>ACS Combinatorial Science</i> , <b>2014</b> , 16, 579-601	5.0	20
126	Structural constraints imposed by the conserved fusion peptide on the HIV-1 gp41 epitope recognized by the broadly neutralizing antibody 2F5. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 13626-37	3.4	20
125	2020 FDA TIDES (Peptides and Oligonucleotides) Harvest. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	20
124	Design and synthesis of mono- and di-pyrazolyl-s-triazine derivatives, their anticancer profile in human cancer cell lines, and in vivo toxicity in zebrafish embryos. <i>Bioorganic Chemistry</i> , <b>2019</b> , 87, 457-464	5.1	19
123	1,3,5-Triazino Peptide Derivatives: Synthesis, Characterization, and Preliminary Antileishmanial Activity. <i>ChemMedChem</i> , <b>2018</b> , 13, 725-735	3.7	19
122	Antibacterial Activity of Teixobactin Derivatives on Clinically Relevant Bacterial Isolates. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1535	5.7	19
121	Investigation of the N-Terminus Amino Function of Arg-Teixobactin. <i>Molecules</i> , <b>2017</b> , 22,	4.8	19
120	Kinetic uptake profiles of cell penetrating peptides in lymphocytes and monocytes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2013</b> , 1830, 4554-63	4	19
119	Exploring the Orthogonal Chemoselectivity of 2,4,6-Trichloro-1,3,5-Triazine (TCT) as a Trifunctional Linker With Different Nucleophiles: Rules of the Game. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 516	5	19

118	Naturally Occurring Oxazole-Containing Peptides. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	18
117	Inclusion of a specific T cell epitope increases the protection conferred against foot-and-mouth disease virus in pigs by a linear peptide containing an immunodominant B cell site. <i>Virology Journal</i> , <b>2012</b> , 9, 66	6.1	18
116	A BODIPY-embedding miltefosine analog linked to cell-penetrating Tat(48-60) peptide favors intracellular delivery and visualization of the antiparasitic drug. <i>Amino Acids</i> , <b>2014</b> , 46, 1047-58	3.5	18
115	Reverse thioether ligation route to multimeric peptide antigens. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 3116-21	3.9	18
114	A T-cell epitope on NS3 non-structural protein enhances the B and T cell responses elicited by dendrimeric constructions against CSFV in domestic pigs. <i>Veterinary Immunology and Immunopathology</i> , <b>2012</b> , 150, 36-46	2	18
113	B epitope multiplicity and B/T epitope orientation influence immunogenicity of foot-and-mouth disease peptide vaccines. <i>Clinical and Developmental Immunology</i> , <b>2013</b> , 2013, 475960		18
112	Troubleshooting When Using $\epsilon$ -Valerolactone (GVL) in Green Solid-Phase Peptide Synthesis. <i>Organic Process Research and Development</i> , <b>2019</b> , 23, 1096-1100	3.9	17
111	Optimized synthesis of aminoxy-peptides as glycoprobe precursors for surface-based sugar-protein interaction studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2007</b> , 17, 5155-8	2.9	17
110	Synthesis of Branched Oligonucleotides as Templates for the Assembly of Nanomaterials. <i>Helvetica Chimica Acta</i> , <b>2003</b> , 86, 2814-2826	2	17
109	Investigating green ethers for the precipitation of peptides after global deprotection in solid-phase peptide synthesis. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2018</b> , 11, 99-103	7.9	17
108	EDCIHCl and Potassium Salts of Oxyma and Oxyma-B as Superior Coupling Cocktails for Peptide Synthesis. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 3116-3120	3.2	16
107	Influence of lysine N <sup>(1)</sup> -trimethylation and lipid composition on the membrane activity of the cecropin A-melittin hybrid peptide CA(1-7)M(2-9). <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 16198-208	3.4	16
106	Monitoring gene therapy by external imaging of mRNA: pilot study on murine erythropoietin. <i>Therapeutic Drug Monitoring</i> , <b>2007</b> , 29, 612-8	3.2	15
105	$\epsilon$ -Valerolactone (GVL): An eco-friendly anchoring solvent for solid-phase peptide synthesis. <i>Tetrahedron Letters</i> , <b>2019</b> , 60, 151058	2	14
104	Peptides as models for the structure and function of viral capsid proteins: Insights on dengue virus capsid. <i>Biopolymers</i> , <b>2013</b> , 100, 325-36	2.2	14
103	Mutations that hamper dimerization of foot-and-mouth disease virus 3A protein are detrimental for infectivity. <i>Journal of Virology</i> , <b>2012</b> , 86, 11013-23	6.6	14
102	Hybridization and Melting Behavior of Peptide Nucleic Acid (PNA) Oligonucleotide Chimeras Conjugated to Gold Nanoparticles. <i>Helvetica Chimica Acta</i> , <b>2004</b> , 87, 2727-2734	2	14
101	Parallel-stranded hairpins containing 8-aminopurines. Novel efficient probes for triple-helix formation. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2001</b> , 11, 1761-3	2.9	14

100	Successful development of a method for the incorporation of Fmoc-Arg(Pbf)-OH in solid-phase peptide synthesis using N-butylpyrrolidinone (NBP) as solvent. <i>Green Chemistry</i> , <b>2020</b> , 22, 3162-3169	10	14
99	Facile solid-phase synthesis of head-side chain cyclothiodipeptides through a cyclative cleavage from MeDbz-resin. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 2788-2791	2	13
98	Dendrimeric peptides can confer protection against foot-and-mouth disease virus in cattle. <i>PLoS ONE</i> , <b>2017</b> , 12, e0185184	3.7	13
97	Solid-Phase Synthesis of Pyrrole Derivatives through a Multicomponent Reaction Involving Lys-Containing Peptides. <i>ACS Combinatorial Science</i> , <b>2018</b> , 20, 187-191	3.9	13
96	An optimized Fmoc synthesis of human defensin 5. <i>Amino Acids</i> , <b>2014</b> , 46, 395-400	3.5	13
95	Hydroxamate siderophores: Natural occurrence, chemical synthesis, iron binding affinity and use as Trojan horses against pathogens. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 208, 112791	6.8	13
94	N-Butylpyrrolidinone for Solid-Phase Peptide Synthesis is Environmentally Friendlier and Synthetically Better than DMF. <i>ChemSusChem</i> , <b>2020</b> , 13, 5288-5294	8.3	13
93	Synthesis and characterisation of thiobarbituric acid enamine derivatives, and evaluation of their α-glucosidase inhibitory and anti-glycation activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2020</b> , 35, 692-701	5.6	12
92	An improved and efficient strategy for the total synthesis of a colistin-like peptide. <i>Tetrahedron Letters</i> , <b>2016</b> , 57, 1885-1888	2	12
91	Microreactors for peptide synthesis: looking through the eyes of twenty first century !!! <i>Amino Acids</i> , <b>2014</b> , 46, 2091-104	3.5	12
90	Re-evaluating the stability of COMU in different solvents. <i>Journal of Peptide Science</i> , <b>2017</b> , 23, 763-768	2.1	12
89	Synthesis of 16-mercaptohexadecylphosphocholine, a miltefosine analog with leishmanicidal activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2006</b> , 16, 5190-3	2.9	12
88	Novel formulation of antimicrobial peptides enhances antimicrobial activity against methicillin-resistant <i>Staphylococcus aureus</i> (MRSA). <i>Amino Acids</i> , <b>2020</b> , 52, 1439-1457	3.5	12
87	Solid-phase synthesis of homodetic cyclic peptides from Fmoc-MeDbz-resin. <i>Tetrahedron Letters</i> , <b>2018</b> , 59, 1779-1782	2	11
86	Scope and Limitations of Valerolactone (GVL) as a Green Solvent to be Used with Base for Fmoc Removal in Solid Phase Peptide Synthesis. <i>Molecules</i> , <b>2019</b> , 24,	4.8	10
85	Solid-phase peptide synthesis (SPPS), C-terminal vs. side-chain anchoring: a reality or a myth. <i>Amino Acids</i> , <b>2014</b> , 46, 1827-38	3.5	10
84	Quantifying molecular partition of cell-penetrating peptide-cargo supramolecular complexes into lipid membranes: optimizing peptide-based drug delivery systems. <i>Journal of Peptide Science</i> , <b>2013</b> , 19, 182-9	2.1	10
83	CHAPTER 18:Solid-Phase Peptide Synthesis, the State of the Art: Challenges and Opportunities. <i>RSC Drug Discovery Series</i> ,518-550	0.6	10

82	Synthesis, in vitro evaluation, and Ga-radiolabeling of CDP1 toward PET/CT imaging of bacterial infection. <i>Chemical Biology and Drug Design</i> , <b>2017</b> , 90, 572-579	2.9	9
81	TOMBU and COMBU as Novel Uronium-type peptide coupling reagents derived from Oxyma-B. <i>Molecules</i> , <b>2014</b> , 19, 18953-65	4.8	9
80	Anti-EPO and anti-NESP antibodies raised against synthetic peptides that reproduce the minimal amino acid sequence differences between EPO and NESP. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 388, 1531-8	4.4	9
79	On choosing the right ether for peptide precipitation after acid cleavage. <i>Journal of Peptide Science</i> , <b>2008</b> , 14, 360-3	2.1	9
78	s-Triazine: A Privileged Structure for Drug Discovery and Bioconjugation. <i>Molecules</i> , <b>2021</b> , 26,	4.8	9
77	2021 FDA TIDES (Peptides and Oligonucleotides) Harvest.. <i>Pharmaceuticals</i> , <b>2022</b> , 15,	5.2	9
76	An efficient solid-phase strategy for total synthesis of naturally occurring amphiphilic marine siderophores: amphibactin-T and moanachelin ala-B. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 4760-8	3.9	8
75	Barbiturate- and Thiobarbiturate-Based -Triazine Hydrazone Derivatives with Promising Antiproliferative Activities. <i>ACS Omega</i> , <b>2020</b> , 5, 15805-15811	3.9	8
74	Highly chemoselective ligation of thiol- and amino-peptides on a bromomaleimide core. <i>Chemical Communications</i> , <b>2016</b> , 52, 2334-7	5.8	8
73	Cyclic amino acid linkers stabilizing key loops of brain derived neurotrophic factor. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 444-8	2.9	8
72	Solid-phase peptide synthesis using N-tertiary-amino acids. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2001</b> , 8, 331-338		8
71	The Pharmaceutical Industry in 2021. An Analysis of FDA Drug Approvals from the Perspective of Molecules.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	8
70	Di- and tri-substituted s-triazine derivatives: Synthesis, characterization, anticancer activity in human breast-cancer cell lines, and developmental toxicity in zebrafish embryos. <i>Bioorganic Chemistry</i> , <b>2020</b> , 94, 103397	5.1	8
69	Investigating Triorthogonal Chemoselectivity. Effect of Azide Substitution on the Triazine Core. <i>Organic Letters</i> , <b>2019</b> , 21, 7888-7892	6.2	7
68	Optimized Microwave Assisted Synthesis of LL37, a Cathelicidin Human Antimicrobial Peptide. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2015</b> , 21, 13-20	2.1	7
67	Exploiting the Thiobarbituric Acid Scaffold for Antibacterial Activity. <i>ChemMedChem</i> , <b>2018</b> , 13, 1923-1930	3.7	7
66	A genetic fiber modification to achieve matrix-metalloprotease-activated infectivity of oncolytic adenovirus. <i>Journal of Controlled Release</i> , <b>2014</b> , 192, 148-56	11.7	7
65	Synthesis of labelled PNA oligomers by a post-synthetic modification approach. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2003</b> , 13, 391-3	2.9	7



64	Linkers: An Assurance for Controlled Delivery of Antibody-Drug Conjugate.. <i>Pharmaceutics</i> , <b>2022</b> , 14,	6.4	7
63	Synthesis and Antimicrobial Activity of a New Series of Thiazolidine-2,4-diones Carboxamide and Amino Acid Derivatives. <i>Molecules</i> , <b>2019</b> , 25,	4.8	7
62	Immune Response and Partial Protection against Heterologous Foot-and-Mouth Disease Virus Induced by Dendrimer Peptides in Cattle. <i>Journal of Immunology Research</i> , <b>2018</b> , 2018, 3497401	4.5	7
61	Bypassing Osmotic Shock Dilemma in a Polystyrene Resin Using the Green Solvent Cyclopentyl methyl Ether (CPME): A Morphological Perspective. <i>Polymers</i> , <b>2019</b> , 11,	4.5	6
60	Breaking a Couple: Disulfide Reducing Agents. <i>ChemBioChem</i> , <b>2020</b> , 21, 1947-1954	3.8	6
59	Cleaving protected peptides from 2-chlorotrityl chloride resin. Moving away from dichloromethane. <i>Green Chemistry</i> , <b>2020</b> , 22, 2840-2845	10	6
58	Solid-Phase Synthesis of Head to Side-Chain Tyr-Cyclodepsipeptides Through a Cyclative Cleavage From Fmoc-MeDbz/MeNbz-resins. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 298	5	6
57	Synthesis, Characterization, and Tautomerism of 1,3-Dimethyl Pyrimidine-2,4,6-Trione s-Triazinyl Hydrazine/Hydrazone Derivatives. <i>Journal of Chemistry</i> , <b>2017</b> , 2017, 1-10	2.3	6
56	Use of a Base-Labile Protected Derivative of 6-Mercaptohexanol for the Preparation of Oligonucleotides Containing a Thiol Group at the 5'-End. <i>Nucleosides &amp; Nucleotides</i> , <b>1993</b> , 12, 993-1005		6
55	A Facile Synthesis of NODASA-Functionalized Peptide. <i>Synlett</i> , <b>2016</b> , 27, 1685-1688	2.2	6
54	Bacteria Hunt Bacteria through an Intriguing Cyclic Peptide. <i>ChemMedChem</i> , <b>2019</b> , 14, 24-51	3.7	6
53	Microwave-Assisted Synthesis of Antimicrobial Peptides. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1548, 51-59.4		5
52	Bio-analytical method based on MALDI-MS analysis for the quantification of CIGB-300 anti-tumor peptide in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 105, 107-114	3.5	5
51	Synthesis, Crystal Structure and DFT Studies of 1,3-Dimethyl-5-propionylpyrimidine-2,4,6(1H,3H,5H)-trione. <i>Crystals</i> , <b>2017</b> , 7, 31	2.3	5
50	Application of Decafluorobiphenyl (DFBP) Moiety as a Linker in Bioconjugation. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 225-233	6.3	5
49	Oxyma-T, expanding the arsenal of coupling reagents. <i>Tetrahedron Letters</i> , <b>2016</b> , 57, 3523-3525	2	5
48	Calculating Resin Functionalization in Solid-Phase Peptide Synthesis Using a Standardized Method based on Fmoc Determination. <i>ACS Combinatorial Science</i> , <b>2019</b> , 21, 717-721	3.9	5
47	6-(Bromomaleimido)hexanoic acid as a connector for the construction of multiple branched peptide platforms. <i>Organic Letters</i> , <b>2015</b> , 17, 464-7	6.2	5

46	Structural framework for the modulation of the activity of the hybrid antibiotic peptide cecropin A-melittin [CA(1-7)M(2-9)] by Nεlysine trimethylation. <i>ChemBioChem</i> , <b>2011</b> , 12, 2177-83	3.8	5
45	The induction of NOS2 expression by the hybrid cecropin A-melittin antibiotic peptide CA(1-8)M(1-18) in the monocytic line RAW 264.7 is triggered by a temporary and reversible plasma membrane permeation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2006</b> , 1763, 110-9	4.9	5
44	Understanding Tetrahydropyranyl as a Protecting Group in Peptide Chemistry. <i>ChemistryOpen</i> , <b>2017</b> , 6, 168-177	2.3	4
43	Chemical Platforms for Peptide Vaccine Constructs. <i>Advances in Protein Chemistry and Structural Biology</i> , <b>2015</b> , 99, 99-130	5.3	4
42	Peptides Interfering 3A Protein Dimerization Decrease FMDV Multiplication. <i>PLoS ONE</i> , <b>2015</b> , 10, e0141415	3.75	4
41	Novel 4,6-Disubstituted -Triazin-2-yl Amino Acid Derivatives as Promising Antifungal Agents. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2020</b> , 6,	5.6	4
40	Amide Formation: Choosing the Safer Carbodiimide in Combination with OxymaPure to Avoid HCN Release. <i>Organic Letters</i> , <b>2021</b> , 23, 6900-6904	6.2	4
39	Somuncurins: Bioactive Peptides from the Skin of the Endangered Endemic Patagonian Frog. <i>Journal of Natural Products</i> , <b>2020</b> , 83, 972-984	4.9	3
38	Revisiting NO as Protecting Group of Arginine in Solid-Phase Peptide Synthesis. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
37	Fmoc-Amox, A Suitable Reagent for the Introduction of Fmoc. <i>Organic Process Research and Development</i> , <b>2017</b> , 21, 1533-1541	3.9	3
36	2-(Dibenzylamino)butane-1,4-dithiol (DABDT), a Friendly Disulfide-Reducing Reagent Compatible with a Broad Range of Solvents. <i>Organic Letters</i> , <b>2019</b> , 21, 10111-10114	6.2	3
35	Propylphosphonic Anhydride (T3P) as Coupling Reagent for Solid-Phase Peptide Synthesis. <i>ChemistrySelect</i> , <b>2021</b> , 6, 2649-2657	1.8	3
34	The Antiproliferative and Apoptotic Effect of a Novel Synthesized -Triazine Dipeptide Series, and Toxicity Screening in Zebrafish Embryos. <i>Molecules</i> , <b>2021</b> , 26,	4.8	3
33	Crystal structure, spectroscopic studies and theoretical studies of thiobarbituric acid derivatives: understanding the hydrogen-bonding patterns. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2018</b> , 74, 1703-1714	0.8	3
32	Tetrahydropyranyl: A Non-aromatic, Mild-Acid-Labile Group for Hydroxyl Protection in Solid-Phase Peptide Synthesis. <i>ChemistryOpen</i> , <b>2017</b> , 6, 206-210	2.3	2
31	Phenol as a Modulator in the Chemical Reactivity of 2,4,6-Trichloro-1,3,5-triazine: Rules of the Game II. <i>Australian Journal of Chemistry</i> , <b>2020</b> , 73, 352	1.2	2
30	Formation of N-terminal 2-dialkyl amino oxazoles from guanidinated derivatives under mild conditions. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 5661-5666	3.9	2
29	Towards DNA-Mediated Self Assembly of Carbon Nanotube Molecular Devices. <i>AIP Conference Proceedings</i> , <b>2002</b> ,	0	2

28	Properties of triple helices formed by oligonucleotides containing 8-aminopurines. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2003</b> , 22, 645-8	1.4	2
27	Minimizing side reactions during amide formation using DIC and oxymapure in solid-phase peptide synthesis. <i>Tetrahedron Letters</i> , <b>2021</b> , 85, 153462	2	2
26	OxymaPure Coupling Reagents: Beyond Solid-Phase Peptide Synthesis. <i>Synthesis</i> , <b>2020</b> , 52, 3189-3210	2.9	2
25	Exploiting azido-dichloro-triazine as a linker for regioselective incorporation of peptides through their N, O, S functional groups. <i>Bioorganic Chemistry</i> , <b>2020</b> , 104, 104334	5.1	2
24	Disulfide-Based Protecting Groups for the Cysteine Side Chain. <i>Organic Letters</i> , <b>2020</b> , 22, 9644-9647	6.2	2
23	Solid-phase synthesis of peptides containing 1-Hydroxypyridine-2-one (1,2-HOPO). <i>Tetrahedron Letters</i> , <b>2020</b> , 61, 152299	2	2
22	Super-Cationic Peptide Dendrimers-Synthesis and Evaluation as Antimicrobial Agents. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	2
21	1,3,5-Triazine as core for the preparation of dendrons. <i>Arkivoc</i> , <b>2021</b> , 2020, 64-73	0.9	2
20	Perfluorophenyl Derivatives as Unsymmetrical Linkers for Solid Phase Conjugation. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 589	5	2
19	Rhodiasolv PolarClean B greener alternative in solid-phase peptide synthesis. <i>Green Chemistry Letters and Reviews</i> , <b>2021</b> , 14, 545-550	4.7	2
18	Protocol for efficient solid-phase synthesis of peptides containing 1-hydroxypyridine-2-one (1,2-HOPO). <i>MethodsX</i> , <b>2020</b> , 7, 101082	1.9	1
17	Protocol for synthesis of di- and tri-substituted s-triazine derivatives. <i>MethodsX</i> , <b>2020</b> , 7, 100825	1.9	1
16	Crystal Structure and Theoretical Investigation of Thiobarbituric Acid Derivatives as Nonlinear Optical (NLO) Materials. <i>Crystals</i> , <b>2020</b> , 10, 442	2.3	1
15	A flexible method for the fabrication of gold nanostructures using oligonucleotide derivatives. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2007</b> , 26, 1605-9	1.4	1
14	OctaGel Resin - A New PEG-PS-based Solid Support for Solid-Phase Peptide Synthesis. <i>Letters in Organic Chemistry</i> , <b>2019</b> , 16, 935-940	0.6	1
13	Diethylphosphoryl-OxymaB (DEPO-B) as a Solid Coupling Reagent for Amide Bond Formation. <i>Letters in Organic Chemistry</i> , <b>2018</b> , 16, 30-33	0.6	1
12	Refractive Index: The Ultimate Tool for Real-Time Monitoring of Solid-Phase Peptide Synthesis. Greening the Process. <i>Organic Process Research and Development</i> , <b>2021</b> , 25, 1047-1053	3.9	1
11	Scope and Limitations of Barbituric and Thiobarbituric Amino Acid Derivatives as Protecting Groups for Solid-Phase Peptide Synthesis: Towards a Green Protecting Group. <i>ChemistrySelect</i> , <b>2021</b> , 6, 6626-6630	1.8	1

10	A native mass spectrometry platform identifies HOP inhibitors that modulate the HSP90-HOP protein-protein interaction. <i>Chemical Communications</i> , <b>2021</b> , 57, 10919-10922	5.8	1
9	Insights into the chemistry of the amphibactin-metal (M) interaction and its role in antibiotic resistance. <i>Scientific Reports</i> , <b>2020</b> , 10, 21049	4.9	0
8	Enamine Barbiturates and Thiobarbiturates as a New Class of Bacterial Urease Inhibitors. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 3523	2.6	0
7	Understanding OxymaPure as a Peptide Coupling Additive: A Guide to New Oxyma Derivatives.. <i>ACS Omega</i> , <b>2022</b> , 7, 6007-6023	3.9	0
6	Synthesis of New Peptide-Based Ligands with 1,2-HOPO Pendant Chelators and Thermodynamic Evaluation of Their Iron(III) Complexes**. <i>ChemistrySelect</i> , <b>2021</b> , 6, 7674-7681	1.8	0
5	Structure-Activity Relationship of Arg10-Teixobactin: A Recently Discovered Antimicrobial Peptide. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 671	0.3	
4	Solid-phase peptide synthesis using N <sup>ε</sup> -trityl-amino acids. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2001</b> , 8, 331-338		
3	s-Triazine: A Multidisciplinary and International Journey. <i>Chemistry Proceedings</i> , <b>2021</b> , 3, 53		
2	Efficient Route for Synthesis of Enamines from 1,3-Alkyl-2-Thioxodihydropyrimidine-4,6(1H,5H)-dione Enols. <i>Letters in Organic Chemistry</i> , <b>2019</b> , 16, 538-540	0.6	
1	Solid-phase synthesis of new glycosyl enkephalinamides <b>1991</b> , 416-417		