Caroline Proulx

List of Publications by Year
in descending order

32 papers	1,212 citations	430874 18 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	1203 citing authors

#	Article	IF	Citations
1	Late-Stage N-Alkylation of Azapeptides. Organic Letters, 2022, 24, 1768-1773.	4.6	7
2	Solid phase submonomer azapeptide synthesis. Methods in Enzymology, 2021, 656, 169-190.	1.0	3
3	Submonomer synthesis of peptoids containing trans-inducing N-imino- and N-alkylamino-glycines. Chemical Science, 2021, 12, 8401-8410.	7.4	16
4	Peptide science: A â€œrule modelâ€•for new generations of peptidomimetics. Acta Biomaterialia, 2020, 102, 35-74.	8.3	24
5	N-Arylation of Amino Acid Esters to Expand Side Chain Diversity in Ketoxime Peptide Ligations. Journal of Organic Chemistry, 2020, 85, 1748-1755.	3.2	10
6	Synthesis and Biomedical Potential of Azapeptide Modulators of the Cluster of Differentiation 36 Receptor (CD36). Biomedicines, 2020, 8, 241.	3.2	12
7	Atheroprotective and atheroregressive potential of azapeptide derivatives of GHRP-6 as selective CD36 ligands in apolipoprotein E-deficient mice. Atherosclerosis, 2020, 307, 52-62.	0.8	6
8	Catching up to nature's ribosomes. Science, 2020, 368, 941-941.	12.6	1
9	Ketoxime peptide ligations: oxidative couplings of alkoxyamines to N-aryl peptides. Chemical Science, 2019, 10, 9506-9512.	7.4	8
10	Aza-Amino Acids Disrupt Î²-Sheet Secondary Structures. Molecules, 2019, 24, 1919.	3.8	11
11	Glycosylated Peptoid Nanosheets as a Multivalent Scaffold for Protein Recognition. ACS Nano, 2018, 12, 2455-2465.	14.6	69
12	Oxime Ligation via in situ Oxidation of N-Phenylglycinyl Peptides. Organic Letters, 2018, 20, 2564-2567.	4.6	10
13	Adiponectin has a pivotal role in the cardioprotective effect of CPâ€3(iv), a selective CD36 azapeptide ligand, after transient coronary artery occlusion in mice. FASEB Journal, 2018, 32, 807-818.	0.5	16
14	Azapeptide Synthesis Methods for Expanding Side-Chain Diversity for Biomedical Applications. Accounts of Chemical Research, 2017, 50, 1541-1556.	15.6	85
15	Molecular Engineering of the Peptoid Nanosheet Hydrophobic Core. Langmuir, 2016, 32, 11946-11957.	3.5	32
16	Improved chemical and mechanical stability of peptoid nanosheets by photo-crosslinking the hydrophobic core. Chemical Communications, 2016, 52, 4753-4756.	4.1	18
17	Design, Synthesis, Assembly, and Engineering of Peptoid Nanosheets. Accounts of Chemical Research, 2016, 49, 379-389.	15.6	151
18	Accelerated Submonomer Solid-Phase Synthesis of Peptoids Incorporating Multiple Substituted N-Aryl Glycine Monomers. Journal of Organic Chemistry, 2015, 80, 10490-10497.	3.2	34

#	Article	IF	Citations
19	Peptoid nanosheets exhibit a new secondary-structure motif. Nature, 2015, 526, 415-420.	27.8	165
20	Analysis of Nâ€aminoâ€imidazolinâ€2â€one peptide turn mimic 4â€position substituent effects on conformation by Xâ€ray crystallography. Biopolymers, 2014, 102, 7-15.	2.4	13
21	Multicomponent Diversity-Oriented Synthesis of Aza-Lysine-Peptide Mimics. Organic Letters, 2014, 16, 298-301.	4.6	30
22	N-Amino-imidazolin-2-one Peptide Mimic Synthesis and Conformational Analysis. Organic Letters, 2012, 14, 4552-4555.	4.6	35
23	Azapeptide Analogues of the Growth Hormone Releasing Peptide 6 as Cluster of Differentiation 36 Receptor Ligands with Reduced Affinity for the Growth Hormone Secretagogue Receptor 1a. Journal of Medicinal Chemistry, 2012, 55, 6502-6511.	6.4	33
24	Synthesis of hydrazine and azapeptide derivatives by alkylation of carbazates and semicarbazones. Canadian Journal of Chemistry, 2012, 90, 985-993.	1.1	26
25	Modified peptide monolayer binding His-tagged biomolecules for small ligand screening with SPR biosensors. Analyst, The, 2011, 136, 3142.	3.5	44
26	Structureâ€“Activity Relationships of GHRP-6 Azapeptide Ligands of the CD36 Scavenger Receptor by Solid-Phase Submonomer Azapeptide Synthesis. Journal of the American Chemical Society, 2011, 133, 12493-12506.	13.7	53
27	Azapeptides and their therapeutic potential. Future Medicinal Chemistry, 2011, 3, 1139-1164.	2.3	140
28	Solutionâ€phase submonomer diversification of azaâ€dipeptide building blocks and their application in azaâ€peptide and azaâ€DKP synthesis. Journal of Peptide Science, 2010, 16, 284-296.	1.4	42
29	Aza-1,2,3-triazole-3-alanine Synthesis via Copper-Catalyzed 1,3-Dipolar Cycloaddition on Aza-progargylglycine. Journal of Organic Chemistry, 2010, 75, 5385-5387.	3.2	27
30	Copper-Catalyzed N-Arylation of Semicarbazones for the Synthesis of Aza-Arylglycine-Containing Aza-Peptides. Organic Letters, 2010, 12, 2916-2919.	4.6	23
31	Exploring Side-Chain Diversity by Submonomer Solid-Phase Aza-Peptide Synthesis. Organic Letters, 2009, 11, 3650-3653.	4.6	68
32	On-resin CÎ±-functionalization of N-arylglycinyl peptides with boronic acids. Organic and Biomolecular Chemistry, 0, , .	2.8	0