

Caroline Proulx

List of Publications by Year in descending order

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32
papers

1,212
citations

430874

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h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

1203
citing authors

#	ARTICLE	IF	CITATIONS
1	Peptoid nanosheets exhibit a new secondary-structure motif. <i>Nature</i> , 2015, 526, 415-420.	27.8	165
2	Design, Synthesis, Assembly, and Engineering of Peptoid Nanosheets. <i>Accounts of Chemical Research</i> , 2016, 49, 379-389.	15.6	151
3	Aza-peptides and their therapeutic potential. <i>Future Medicinal Chemistry</i> , 2011, 3, 1139-1164.	2.3	140
4	Aza-peptide Synthesis Methods for Expanding Side-Chain Diversity for Biomedical Applications. <i>Accounts of Chemical Research</i> , 2017, 50, 1541-1556.	15.6	85
5	Glycosylated Peptoid Nanosheets as a Multivalent Scaffold for Protein Recognition. <i>ACS Nano</i> , 2018, 12, 2455-2465.	14.6	69
6	Exploring Side-Chain Diversity by Submonomer Solid-Phase Aza-Peptide Synthesis. <i>Organic Letters</i> , 2009, 11, 3650-3653.	4.6	68
7	Structure-Activity Relationships of GHRP-6 Aza-peptide Ligands of the CD36 Scavenger Receptor by Solid-Phase Submonomer Aza-peptide Synthesis. <i>Journal of the American Chemical Society</i> , 2011, 133, 12493-12506.	13.7	53
8	Modified peptide monolayer binding His-tagged biomolecules for small ligand screening with SPR biosensors. <i>Analyst</i> , 2011, 136, 3142.	3.5	44
9	Solid-phase submonomer diversification of aza-peptide building blocks and their application in aza-peptide and aza-DKP synthesis. <i>Journal of Peptide Science</i> , 2010, 16, 284-296.	1.4	42
10	<i>N</i> -Amino-imidazolin-2-one Peptide Mimic Synthesis and Conformational Analysis. <i>Organic Letters</i> , 2012, 14, 4552-4555.	4.6	35
11	Accelerated Submonomer Solid-Phase Synthesis of Peptoids Incorporating Multiple Substituted <i>N</i> -Aryl Glycine Monomers. <i>Journal of Organic Chemistry</i> , 2015, 80, 10490-10497.	3.2	34
12	Aza-peptide 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. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 6502-6511.	6.4	33
13	Molecular Engineering of the Peptoid Nanosheet Hydrophobic Core. <i>Langmuir</i> , 2016, 32, 11946-11957.	3.5	32
14	Multicomponent Diversity-Oriented Synthesis of Aza-Lysine-Peptide Mimics. <i>Organic Letters</i> , 2014, 16, 298-301.	4.6	30
15	Aza-1,2,3-triazole-3-alanine Synthesis via Copper-Catalyzed 1,3-Dipolar Cycloaddition on Aza-progargylglycine. <i>Journal of Organic Chemistry</i> , 2010, 75, 5385-5387.	3.2	27
16	Synthesis of hydrazine and aza-peptide derivatives by alkylation of carbazates and semicarbazones. <i>Canadian Journal of Chemistry</i> , 2012, 90, 985-993.	1.1	26
17	Peptide science: A model for new generations of peptidomimetics. <i>Acta Biomaterialia</i> , 2020, 102, 35-74.	8.3	24
18	Copper-Catalyzed <i>N</i> -Arylation of Semicarbazones for the Synthesis of Aza-Arylglycine-Containing Aza-Peptides. <i>Organic Letters</i> , 2010, 12, 2916-2919.	4.6	23

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19	Improved chemical and mechanical stability of peptoid nanosheets by photo-crosslinking the hydrophobic core. <i>Chemical Communications</i> , 2016, 52, 4753-4756.	4.1	18
20	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. <i>FASEB Journal</i> , 2018, 32, 807-818.	0.5	16
21	Submonomer synthesis of peptoids containing <i>trans</i>-inducing <i>N</i>-imino- and <i>N</i>-alkylamino-glycines. <i>Chemical Science</i> , 2021, 12, 8401-8410.	7.4	16
22	Analysis of <i>N</i>-aminoâ€midazolinâ€one peptide turn mimic 4â€position substituent effects on conformation by Xâ€ray crystallography. <i>Biopolymers</i> , 2014, 102, 7-15.	2.4	13
23	Synthesis and Biomedical Potential of Azapeptide Modulators of the Cluster of Differentiation 36 Receptor (CD36). <i>Biomedicines</i> , 2020, 8, 241.	3.2	12
24	Aza-Amino Acids Disrupt Î²-Sheet Secondary Structures. <i>Molecules</i> , 2019, 24, 1919.	3.8	11
25	Oxime Ligation via in situ Oxidation of <i>N</i>-Phenylglycyl Peptides. <i>Organic Letters</i> , 2018, 20, 2564-2567.	4.6	10
26	<i>N</i>-Arylation of Amino Acid Esters to Expand Side Chain Diversity in Ketoxime Peptide Ligations. <i>Journal of Organic Chemistry</i> , 2020, 85, 1748-1755.	3.2	10
27	Ketoxime peptide ligations: oxidative couplings of alkoxyamines to <i>N</i>-aryl peptides. <i>Chemical Science</i> , 2019, 10, 9506-9512.	7.4	8
28	Late-Stage <i>N</i>-Alkylation of Azapeptides. <i>Organic Letters</i> , 2022, 24, 1768-1773.	4.6	7
29	Atheroprotective and atheroregressive potential of azapeptide derivatives of GHRP-6 as selective CD36 ligands in apolipoprotein E-deficient mice. <i>Atherosclerosis</i> , 2020, 307, 52-62.	0.8	6
30	Solid phase submonomer azapeptide synthesis. <i>Methods in Enzymology</i> , 2021, 656, 169-190.	1.0	3
31	Catching up to nature's ribosomes. <i>Science</i> , 2020, 368, 941-941.	12.6	1
32	On-resin CÎ±-functionalization of <i>N</i>-arylglycyl peptides with boronic acids. <i>Organic and Biomolecular Chemistry</i> , 0, , .	2.8	0