

Aaron G Poth

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,415
citations

394421

19
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

1335
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient backbone cyclization of linear peptides by a recombinant asparaginyl endopeptidase. <i>Nature Communications</i> , 2015, 6, 10199.	12.8	186
2	Discovery of Cyclotides in the Fabaceae Plant Family Provides New Insights into the Cyclization, Evolution, and Distribution of Circular Proteins. <i>ACS Chemical Biology</i> , 2011, 6, 345-355.	3.4	151
3	Discovery of an unusual biosynthetic origin for circular proteins in legumes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10127-10132.	7.1	143
4	Cyclotides Associate with Leaf Vasculature and Are the Products of a Novel Precursor in <i>Petunia</i> (Solanaceae). <i>Journal of Biological Chemistry</i> , 2012, 287, 27033-27046.	3.4	126
5	Cyclotides as grafting frameworks for protein engineering and drug design applications. <i>Biopolymers</i> , 2013, 100, 480-491.	2.4	113
6	The Prototypic Cyclotide Kalata B1 Has a Unique Mechanism of Entering Cells. <i>Chemistry and Biology</i> , 2015, 22, 1087-1097.	6.0	71
7	Analysis of the Human Casein Phosphoproteome by 2-D Electrophoresis and MALDI-TOF/TOF MS Reveals New Phosphoforms. <i>Journal of Proteome Research</i> , 2008, 7, 5017-5027.	3.7	62
8	A bifunctional asparaginyl endopeptidase efficiently catalyzes both cleavage and cyclization of cyclic trypsin inhibitors. <i>Nature Communications</i> , 2020, 11, 1575.	12.8	61
9	Gene coevolution and regulation lock cyclic plant defence peptides to their targets. <i>New Phytologist</i> , 2016, 210, 717-730.	7.3	58
10	A new method for cyclotide sequencing. <i>Biopolymers</i> , 2010, 94, 592-601.	2.4	45
11	Conlinin in flaxseed (<i>Linum usitatissimum</i> L.) gum and its contribution to emulsification properties. <i>Food Hydrocolloids</i> , 2016, 52, 963-971.	10.7	42
12	Cycloquest: Identification of Cyclopeptides via Database Search of Their Mass Spectra against Genome Databases. <i>Journal of Proteome Research</i> , 2011, 10, 4505-4512.	3.7	38
13	Lysine-rich Cyclotides: A New Subclass of Circular Knotted Proteins from <i>Violaceae</i> . <i>ACS Chemical Biology</i> , 2015, 10, 2491-2500.	3.4	34
14	Isolation and Characterization of Antimicrobial Peptides with Unusual Disulfide Connectivity from the Colonial Ascidian <i>Synoicum turgens</i> . <i>Marine Drugs</i> , 2020, 18, 51.	4.6	29
15	The role of disulfide bonds in structure and activity of chlorotoxin. <i>Future Medicinal Chemistry</i> , 2014, 6, 1617-1628.	2.3	26
16	A comparative study of extraction methods reveals preferred solvents for cystine knot peptide isolation from <i>Momordica cochinchinensis</i> seeds. <i>FASEB J</i> , 2014, 95, 22-33.	2.2	26
17	The Evolution of <i>Momordica</i> Cyclic Peptides. <i>Molecular Biology and Evolution</i> , 2015, 32, 392-405.	8.9	26
18	Understanding the Diversity and Distribution of Cyclotides from Plants of Varied Genetic Origin. <i>Journal of Natural Products</i> , 2017, 80, 1522-1530.	3.0	25

#	ARTICLE	IF	CITATIONS
19	Rapid and Scalable Plant-Based Production of a Potent Plasmin Inhibitor Peptide. <i>Frontiers in Plant Science</i> , 2019, 10, 602.	3.6	24
20	Glycine-Containing Flaxseed Orbitides. <i>Journal of Natural Products</i> , 2015, 78, 681-688.	3.0	20
21	Discovery, isolation, and structural characterization of cyclotides from <i>Viola sumatrana</i> Miq. <i>Biopolymers</i> , 2016, 106, 796-805.	2.4	17
22	Neurotoxic peptides from the venom of the giant Australian stinging tree. <i>Science Advances</i> , 2020, 6, .	10.3	16
23	Insecticidal diversity of butterfly pea (<i>Clitoria ternatea</i>) accessions. <i>Industrial Crops and Products</i> , 2020, 147, 112214.	5.2	15
24	Discovery and Characterization of Cyclotides from <i>Rinorea</i> Species. <i>Journal of Natural Products</i> , 2018, 81, 2512-2520.	3.0	14
25	Discovery and Characterization of Cyclic and Acyclic Trypsin Inhibitors from <i>Momordica dioica</i> . <i>Journal of Natural Products</i> , 2019, 82, 293-300.	3.0	14
26	Isolation and Characterization of Cyclotides from Brazilian <i>Psychotria</i> : Significance in Plant Defense and Co-occurrence with Antioxidant Alkaloids. <i>Journal of Natural Products</i> , 2016, 79, 3006-3013.	3.0	12
27	Pharmacokinetic characterization of kalata B1 and related therapeutics built on the cyclotide scaffold. <i>International Journal of Pharmaceutics</i> , 2019, 565, 437-446.	5.2	12
28	Evaluation of Cyclic Peptide Inhibitors of the Grb7 Breast Cancer Target: Small Change in Cargo Results in Large Change in Cellular Activity. <i>Molecules</i> , 2019, 24, 3739.	3.8	7