

Joakim E Swedberg

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9213342/publications.pdf>

Version: 2024-02-01

46
papers

1,553
citations

257357

24
h-index

315616

38
g-index

50
all docs

50
docs citations

50
times ranked

1615
citing authors

#	ARTICLE	IF	CITATIONS
1	Disulfide-rich macrocyclic peptides as templates in drug design. <i>European Journal of Medicinal Chemistry</i> , 2014, 77, 248-257.	2.6	117
2	Substrate-Guided Design of a Potent and Selective Kallikrein-Related Peptidase Inhibitor for Kallikrein 4. <i>Chemistry and Biology</i> , 2009, 16, 633-643.	6.2	109
3	Conformational Flexibility Is a Determinant of Permeability for Cyclosporin. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2261-2276.	1.2	104
4	Cyclotides as a basis for drug design. <i>Expert Opinion on Drug Discovery</i> , 2012, 7, 179-194.	2.5	102
5	Exploring experimental and computational markers of cyclic peptides: Charting islands of permeability. <i>European Journal of Medicinal Chemistry</i> , 2015, 97, 202-213.	2.6	76
6	Design and Synthesis of Truncated EGF-A Peptides that Restore LDL-R Recycling in the Presence of PCSK9 In Vitro. <i>Chemistry and Biology</i> , 2014, 21, 284-294.	6.2	63
7	Mastering the Canonical Loop of Serine Protease Inhibitors: Enhancing Potency by Optimising the Internal Hydrogen Bond Network. <i>PLoS ONE</i> , 2011, 6, e19302.	1.1	61
8	Engineered protease inhibitors based on sunflower trypsin inhibitor-1 (SFTI-1) provide insights into the role of sequence and conformation in Laskowski mechanism inhibition. <i>Biochemical Journal</i> , 2015, 469, 243-253.	1.7	57
9	Improving the Selectivity of Engineered Protease Inhibitors: Optimizing the P2 Prime Residue Using a Versatile Cyclic Peptide Library. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8257-8268.	2.9	51
10	Selective Substrates and Inhibitors for Kallikrein-Related Peptidase 7 (KLK7) Shed Light on KLK Proteolytic Activity in the Stratum Corneum. <i>Journal of Investigative Dermatology</i> , 2017, 137, 430-439.	0.3	50
11	Design of Potent and Selective Cathepsin G Inhibitors Based on the Sunflower Trypsin Inhibitor-1 Scaffold. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 658-667.	2.9	48
12	Paclitaxel Resistance and Multicellular Spheroid Formation Are Induced by Kallikrein-Related Peptidase 4 in Serous Ovarian Cancer Cells in an Ascites Mimicking Microenvironment. <i>PLoS ONE</i> , 2013, 8, e57056.	1.1	47
13	Mechanism-based selection of a potent kallikrein-related peptidase 7 inhibitor from a versatile library based on the sunflower trypsin inhibitor SFTI-1. <i>Biopolymers</i> , 2013, 100, 510-518.	1.2	38
14	Plasmin Substrate Binding Site Cooperativity Guides the Design of Potent Peptide Aldehyde Inhibitors. <i>Biochemistry</i> , 2011, 50, 8454-8462.	1.2	37
15	Effects of Cyclization on Peptide Backbone Dynamics. <i>Journal of Physical Chemistry B</i> , 2015, 119, 15821-15830.	1.2	36
16	Natural and engineered kallikrein inhibitors: an emerging pharmacopoeia. <i>Biological Chemistry</i> , 2010, 391, 357-74.	1.2	35
17	Translational Diffusion of Cyclic Peptides Measured Using Pulsed-Field Gradient NMR. <i>Journal of Physical Chemistry B</i> , 2014, 118, 11129-11136.	1.2	35
18	Substrate-Guided Design of Selective FXIIa Inhibitors Based on the Plant-Derived <i>Momordica cochinchinensis</i> Trypsin Inhibitor-II (MCoTI-II) Scaffold. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 7287-7292.	2.9	34

#	ARTICLE	IF	CITATIONS
19	Direct and indirect mechanisms of KLK4 inhibition revealed by structure and dynamics. <i>Scientific Reports</i> , 2016, 6, 35385.	1.6	28
20	Exploring the active site binding specificity of kallikrein-related peptidase 5 (KLK5) guides the design of new peptide substrates and inhibitors. <i>Biological Chemistry</i> , 2016, 397, 1237-1249.	1.2	28
21	Highly Potent and Selective Plasmin Inhibitors Based on the Sunflower Trypsin Inhibitor-1 Scaffold Attenuate Fibrinolysis in Plasma. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 552-560.	2.9	27
22	Application and Structural Analysis of Triazole-Bridged Disulfide Mimetics in Cyclic Peptides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11273-11277.	7.2	27
23	Non-combinatorial library screening reveals subsite cooperativity and identifies new high-efficiency substrates for kallikrein-related peptidase 14. <i>Biological Chemistry</i> , 2012, 393, 331-341.	1.2	26
24	The Evolution of <i>Momordica</i> Cyclic Peptides. <i>Molecular Biology and Evolution</i> , 2015, 32, 392-405.	3.5	26
25	Potent, Selective, and Cell-Penetrating Inhibitors of Kallikrein-Related Peptidase 4 Based on the Cyclic Peptide MCoTI-II. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 1258-1262.	1.3	25
26	Recent Progress Towards Pharmaceutical Applications of Disulfide-Rich Cyclic Peptides. <i>Current Protein and Peptide Science</i> , 2013, 14, 532-552.	0.7	25
27	Rapid and Scalable Plant-Based Production of a Potent Plasmin Inhibitor Peptide. <i>Frontiers in Plant Science</i> , 2019, 10, 602.	1.7	24
28	An Ultrapotent and Selective Cyclic Peptide Inhibitor of Human β -Factor XIIa in a Cyclotide Scaffold. <i>Journal of the American Chemical Society</i> , 2021, 143, 18481-18489.	6.6	22
29	Cyclic alpha-conotoxin peptidomimetic chimeras as potent GLP-1R agonists. <i>European Journal of Medicinal Chemistry</i> , 2015, 103, 175-184.	2.6	20
30	Engineering potent mesotrypsin inhibitors based on the plant-derived cyclic peptide, sunflower trypsin inhibitor-1. <i>European Journal of Medicinal Chemistry</i> , 2018, 155, 695-704.	2.6	20
31	Natural and Engineered Plasmin Inhibitors: Applications and Design Strategies. <i>ChemBioChem</i> , 2012, 13, 336-348.	1.3	19
32	Diverse cyclic seed peptides in the Mexican zinnia (<i>Zinnia haageana</i>). <i>Biopolymers</i> , 2016, 106, 806-817.	1.2	13
33	KLK4 Inhibition by Cyclic and Acyclic Peptides: Structural and Dynamical Insights into Standard-Mechanism Protease Inhibitors. <i>Biochemistry</i> , 2019, 58, 2524-2533.	1.2	13
34	Amino Acid Scanning at P5' within the Bowman-Birk Inhibitory Loop Reveals Specificity Trends for Diverse Serine Proteases. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 3696-3706.	2.9	13
35	Binding Loop Substitutions in the Cyclic Peptide SFTI-1 Generate Potent and Selective Chymase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 816-826.	2.9	13
36	Iterative Optimization of the Cyclic Peptide SFTI-1 Yields Potent Inhibitors of Neutrophil Proteinase 3. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 1234-1239.	1.3	12

#	ARTICLE	IF	CITATIONS
37	Selective Cleavage of Human Sex Hormone-Binding Globulin by Kallikrein-Related Peptidases and Effects on Androgen Action in LNCaP Prostate Cancer Cells. <i>Endocrinology</i> , 2012, 153, 3179-3189.	1.4	11
38	Structural and functional characterization of chimeric cyclotides from the M \bar{A} rbius and trypsin inhibitor subfamilies. <i>Biopolymers</i> , 2017, 108, e22927.	1.2	11
39	Effects of linker sequence modifications on the structure, stability, and biological activity of a cyclic β -conotoxin. <i>Biopolymers</i> , 2016, 106, 864-875.	1.2	10
40	Truncated Glucagon-like Peptide-1 and Exendin-4 β -Conotoxin p14a Peptide Chimeras Maintain Potency and β -Helicity and Reveal Interactions Vital for cAMP Signaling in Vitro. <i>Journal of Biological Chemistry</i> , 2016, 291, 15778-15787.	1.6	10
41	Calcium-Mediated Allostery of the EGF Fold. <i>ACS Chemical Biology</i> , 2018, 13, 1659-1667.	1.6	10
42	Potent, multi-target serine protease inhibition achieved by a simplified β -sheet motif. <i>PLoS ONE</i> , 2019, 14, e0210842.	1.1	7
43	Application and Structural Analysis of Triazole-Bridged Disulfide Mimetics in Cyclic Peptides. <i>Angewandte Chemie</i> , 2020, 132, 11369-11373.	1.6	7
44	Characterising the Subsite Specificity of Urokinase-Type Plasminogen Activator and Tissue-Type Plasminogen Activator using a Sequence-Defined Peptide Aldehyde Library. <i>ChemBioChem</i> , 2019, 20, 46-50.	1.3	5
45	6 Natural, Engineered and Synthetic Inhibitors of Kallikrein-related Peptidases. , 2012, , 141-160.		1
46	Innentitelbild: Application and Structural Analysis of Triazole-Bridged Disulfide Mimetics in Cyclic Peptides (<i>Angew. Chem.</i> 28/2020). <i>Angewandte Chemie</i> , 2020, 132, 11258-11258.	1.6	0