

Christian Heinis

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2386308/christian-heinis-publications-by-citations.pdf>

Version: 2024-04-16

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81
papers

3,919
citations

32
h-index

62
g-index

93
ext. papers

4,580
ext. citations

7.2
avg, IF

5.82
L-index

#	Paper	IF	Citations
81	An engineered protein tag for multiprotein labeling in living cells. <i>Chemistry and Biology</i> , 2008 , 15, 128-36		750
80	Phage-encoded combinatorial chemical libraries based on bicyclic peptides. <i>Nature Chemical Biology</i> , 2009 , 5, 502-7	11.7	471
79	Cyclic peptide therapeutics: past, present and future. <i>Current Opinion in Chemical Biology</i> , 2017 , 38, 24-29	9.7	321
78	Bicyclic peptide inhibitor reveals large contact interface with a protease target. <i>ACS Chemical Biology</i> , 2012 , 7, 817-21	4.9	133
77	Directed evolution of O6-alkylguanine-DNA alkyltransferase for applications in protein labeling. <i>Protein Engineering, Design and Selection</i> , 2006 , 19, 309-16	1.9	114
76	Strategies to prolong the plasma residence time of peptidedrugs. <i>MedChemComm</i> , 2010 , 1, 319-324	5	112
75	Drug discovery: tools and rules for macrocycles. <i>Nature Chemical Biology</i> , 2014 , 10, 696-8	11.7	88
74	Encoded libraries of chemically modified peptides. <i>Current Opinion in Chemical Biology</i> , 2015 , 26, 89-98	9.7	84
73	Peptide ligands stabilized by small molecules. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1602-16.4	16.4	82
72	Phage Selection of Cyclic Peptides for Application in Research and Drug Development. <i>Accounts of Chemical Research</i> , 2017 , 50, 1866-1874	24.3	81
71	Cyclization of peptides with two chemical bridges affords large scaffold diversities. <i>Nature Chemistry</i> , 2018 , 10, 715-723	17.6	72
70	Structurally diverse cyclisation linkers impose different backbone conformations in bicyclic peptides. <i>ChemBioChem</i> , 2012 , 13, 1032-8	3.8	70
69	Bicyclic peptide ligands pulled out of cysteine-rich peptide libraries. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6562-9	16.4	67
68	Acylated heptapeptide binds albumin with high affinity and application as tag furnishes long-acting peptides. <i>Nature Communications</i> , 2017 , 8, 16092	17.4	67
67	Boosting the sensitivity of ligand-protein screening by NMR of long-lived states. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11076-9	16.4	67
66	Dithiol amino acids can structurally shape and enhance the ligand-binding properties of polypeptides. <i>Nature Chemistry</i> , 2014 , 6, 1009-16	17.6	63
65	Measuring in vivo protein half-life. <i>Chemistry and Biology</i> , 2011 , 18, 805-15		63

64	Bicyclic peptides with optimized ring size inhibit human plasma kallikrein and its orthologues while sparing paralogous proteases. <i>ChemMedChem</i> , 2012 , 7, 1173-6	3.7	56
63	Phage selection of photoswitchable peptide ligands. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5880-3	16.4	55
62	Engineering substrate specificity of O6-alkylguanine-DNA alkyltransferase for specific protein labeling in living cells. <i>ChemBioChem</i> , 2005 , 6, 1263-9	3.8	55
61	A Synthetic Factor XIIa Inhibitor Blocks Selectively Intrinsic Coagulation Initiation. <i>ACS Chemical Biology</i> , 2015 , 10, 1861-70	4.9	53
60	Phage selection of bicyclic peptides. <i>Methods</i> , 2013 , 60, 46-54	4.6	52
59	Development of a selective peptide macrocycle inhibitor of coagulation factor XII toward the generation of a safe antithrombotic therapy. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 3742-6	8.3	50
58	Polycyclic peptide therapeutics. <i>ChemMedChem</i> , 2013 , 8, 377-84	3.7	50
57	Phage Selection of Chemically Stabilized β -Helical Peptide Ligands. <i>ACS Chemical Biology</i> , 2016 , 11, 1422-7	4.9	48
56	Improving binding affinity and stability of peptide ligands by substituting glycines with D-amino acids. <i>ChemBioChem</i> , 2013 , 14, 1316-22	3.8	43
55	Identification of target-binding peptide motifs by high-throughput sequencing of phage-selected peptides. <i>Nucleic Acids Research</i> , 2014 , 42, e169	20.1	42
54	Synthesis and photochemical properties of oligo-ortho-azobenzenes. <i>Journal of Organic Chemistry</i> , 2011 , 76, 9826-34	4.2	42
53	De novo development of proteolytically resistant therapeutic peptides for oral administration. <i>Nature Biomedical Engineering</i> , 2020 , 4, 560-571	19	39
52	Peptide Macrocycle Inhibitor of Coagulation Factor XII with Subnanomolar Affinity and High Target Selectivity. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 1151-1158	8.3	38
51	Bicyclization and tethering to albumin yields long-acting peptide antagonists. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 10187-97	8.3	35
50	Phage display libraries of differently sized bicyclic peptides. <i>MedChemComm</i> , 2013 , 4, 145-150	5	34
49	Precisely Regulated and Efficient Locking of Linear Peptides into Stable Multicyclic Topologies through a One-Pot Reaction. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4458-4463	16.4	29
48	Phage selection of cyclic peptide antagonists with increased stability toward intestinal proteases. <i>Protein Engineering, Design and Selection</i> , 2013 , 26, 81-9	1.9	27
47	Phage selection of bicyclic peptides binding Her2. <i>Tetrahedron</i> , 2014 , 70, 7733-7739	2.4	25

46	Development of Potent and Selective <i>S. aureus</i> Sortase A Inhibitors Based on Peptide Macrocyces. <i>ACS Medicinal Chemistry Letters</i> , 2016 , 7, 606-11	4.3	25
45	Post-translational modification of genetically encoded polypeptide libraries. <i>Current Opinion in Chemical Biology</i> , 2011 , 15, 355-61	9.7	24
44	Phage Selection of Peptide Macrocyces against β -Catenin To Interfere with Wnt Signaling. <i>ChemMedChem</i> , 2016 , 11, 834-9	3.7	24
43	Phage Selection of Bicyclic Peptide Ligands of the Notch1 Receptor. <i>ChemMedChem</i> , 2015 , 10, 1754-61	3.7	23
42	Enzymatic cyclisation of peptides with a transglutaminase. <i>ChemBioChem</i> , 2011 , 12, 38-42	3.8	23
41	Evolving the substrate specificity of O6-alkylguanine-DNA alkyltransferase through loop insertion for applications in molecular imaging. <i>ACS Chemical Biology</i> , 2006 , 1, 575-84	4.9	23
40	Cyclic peptide FXII inhibitor provides safe anticoagulation in a thrombosis model and in artificial lungs. <i>Nature Communications</i> , 2020 , 11, 3890	17.4	23
39	Chemical macrocyclization of peptides fused to antibody Fc fragments. <i>Bioconjugate Chemistry</i> , 2012 , 23, 1856-63	6.3	22
38	Peptide Ligands Stabilized by Small Molecules. <i>Angewandte Chemie</i> , 2014 , 126, 1628-1632	3.6	20
37	Bicyclic peptides conjugated to an albumin-binding tag diffuse efficiently into solid tumors. <i>Molecular Cancer Therapeutics</i> , 2015 , 14, 151-61	6.1	19
36	Improving the Binding Affinity of in-Vitro-Evolved Cyclic Peptides by Inserting Atoms into the Macrocycle Backbone. <i>ChemBioChem</i> , 2016 , 17, 2299-2303	3.8	17
35	Cys-Cys and Cys-Lys Stapling of Unprotected Peptides Enabled by Hypervalent Iodine Reagents. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 9022-9031	16.4	17
34	Thiol-to-amine cyclization reaction enables screening of large libraries of macrocyclic compounds and the generation of sub-kilodalton ligands. <i>Science Advances</i> , 2019 , 5, eaaw2851	14.3	16
33	Pattern-based sensing of peptides and aminoglycosides with a single molecular probe. <i>Organic Letters</i> , 2013 , 15, 3456-9	6.2	14
32	Phage selection of bicyclic peptides based on two disulfide bridges. <i>Methods in Molecular Biology</i> , 2015 , 1248, 119-37	1.4	14
31	Polar Hinges as Functionalized Conformational Constraints in (Bi)cyclic Peptides. <i>ChemBioChem</i> , 2017 , 18, 387-395	3.8	13
30	Engineered Peptide Macrocyces Can Inhibit Matrix Metalloproteinases with High Selectivity. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11801-11805	16.4	13
29	Precisely Regulated and Efficient Locking of Linear Peptides into Stable Multicyclic Topologies through a One-Pot Reaction. <i>Angewandte Chemie</i> , 2017 , 129, 4529-4534	3.6	11

28	Screening of large molecule diversities by phage display. <i>Chimia</i> , 2011 , 65, 843-5	1.3	10
27	Synthesis of DNA-Encoded Disulfide- and Thioether-Cyclized Peptides. <i>ChemBioChem</i> , 2020 , 21, 543-549	3.8	9
26	Tracking chemical reactions on the surface of filamentous phage using mass spectrometry. <i>Chemical Communications</i> , 2014 , 50, 5267-9	5.8	8
25	Directed evolution of bicyclic peptides for therapeutic application. <i>Chimia</i> , 2013 , 67, 910-5	1.3	8
24	Cys ² lys and Cys ¹ lys Stapling of Unprotected Peptides Enabled by Hypervalent Iodine Reagents. <i>Angewandte Chemie</i> , 2021 , 133, 9104-9113	3.6	8
23	Macrocyclic synthesis strategy based on step-wise "adding and reacting" three components enables screening of large combinatorial libraries. <i>Chemical Science</i> , 2020 , 11, 7858-7863	9.4	7
22	Measuring net protease activities in biological samples using selective peptidic inhibitors. <i>Analytical Biochemistry</i> , 2012 , 427, 18-20	3.1	5
21	Combination of polycarboxybetaine coating and factor XII inhibitor reduces clot formation while preserving normal tissue coagulation during extracorporeal life support. <i>Biomaterials</i> , 2021 , 272, 120778	15.6	5
20	Bicyclic peptide antagonists derived from genetically encoded combinatorial libraries. <i>Chimia</i> , 2011 , 65, 677-9	1.3	4
19	Using peptide loop insertion mutagenesis for the evolution of proteins. <i>Methods in Molecular Biology</i> , 2010 , 634, 217-32	1.4	4
18	Two general methods for the isolation of enzyme activities by colony filter screening. <i>Chemistry and Biology</i> , 2002 , 9, 383-90		4
17	Engineered Peptide Macrocycles Can Inhibit Matrix Metalloproteinases with High Selectivity. <i>Angewandte Chemie</i> , 2019 , 131, 11927-11931	3.6	3
16	Chemical biology approaches to membrane homeostasis and function. <i>Chimia</i> , 2011 , 65, 849-52	1.3	3
15	Generation of a Large Peptide Phage Display Library by Self-Ligation of Whole-Plasmid PCR Product. <i>ACS Chemical Biology</i> , 2020 , 15, 2907-2915	4.9	3
14	Tissue Factor-Independent Coagulation Correlates with Clinical Phenotype in Factor XI Deficiency and Replacement Therapy. <i>Thrombosis and Haemostasis</i> , 2021 , 121, 150-163	7	3
13	Picomole-Scale Synthesis and Screening of Macrocyclic Compound Libraries by Acoustic Liquid Transfer. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21702-21707	16.4	3
12	A releasable disulfide-linked peptide tag facilitates the synthesis and purification of short peptides. <i>Chemical Communications</i> , 2020 , 56, 2917-2920	5.8	2
11	-Evolved Peptides Bind Monomeric Actin and Mimic Actin-Binding Protein Thymosin- β 4. <i>ACS Chemical Biology</i> , 2021 , 16, 820-828	4.9	2

10	Development of Selective FXIa Inhibitors Based on Cyclic Peptides and Their Application for Safe Anticoagulation. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 6802-6813	8.3	2
9	Towards the Development of Orally Available Peptide Therapeutics. <i>Chimia</i> , 2021 , 75, 514-517	1.3	2
8	Picomole-Scale Synthesis and Screening of Macrocyclic Compound Libraries by Acoustic Liquid Transfer. <i>Angewandte Chemie</i> , 2021 , 133, 21870-21875	3.6	2
7	Bypassing bacterial infection in phage display by sequencing DNA released from phage particles. <i>Protein Engineering, Design and Selection</i> , 2017 , 30, 761-768	1.9	1
6	Combining biological and chemical diversity. <i>Nature Chemistry</i> , 2021 , 13, 512-513	17.6	0
5	The Partnership of DMCCB and LS \square <i>Chimia</i> , 2018 , 72, 817-818	1.3	0
4	Innenr�ktitelbild: Precisely Regulated and Efficient Locking of Linear Peptides into Stable Multicyclic Topologies through a One-Pot Reaction (Angew. Chem. 16/2017). <i>Angewandte Chemie</i> , 2017 , 129, 4701-4701	3.6	
3	Drugs Based on de -developed Peptides are Coming of Age mune is a. <i>Chimia</i> , 2018 , 72, 426-427	1.3	
2	The 4 Young Faculty Meeting - Science and Funding in its Different Varieties. <i>Chimia</i> , 2011 , 65, 818-820	1.3	
1	Fast directed evolution of non-immunoglobulin proteins by somatic hypermutation in immune cells. <i>ChemBioChem</i> , 2005 , 6, 804-6	3.8	