

# Christian P R Hackenberger

## List of Publications by Year in descending order

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81  
papers

3,965  
citations

117625

34  
h-index

123424

61  
g-index

90  
all docs

90  
docs citations

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times ranked

4341  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bis(ethynylphosphonamides) as a Modular Conjugation Platform to Generate Multifunctional Protein- and Antibody-Drug Conjugates. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	7
2	Atomistic insight into the essential binding event of ACE2-derived peptides to the SARS-CoV-2 spike protein. <i>Biological Chemistry</i> , 2022, 403, 615-624.	2.5	2
3	Modular solid-phase synthesis of electrophilic cysteine-selective ethynyl-phosphonamide peptides. <i>Chemical Communications</i> , 2022, 58, 8388-8391.	4.1	2
4	Design and Functional Analysis of Heterobifunctional Multivalent Phage Capsid Inhibitors Blocking the Entry of Influenza Virus. <i>Bioconjugate Chemistry</i> , 2022, 33, 1269-1278.	3.6	1
5	Synthetic Helical Peptides as Potential Inhibitors of the ACE2 SARS-CoV-2 Interaction. <i>ChemBioChem</i> , 2022, 23, .	2.6	6
6	Synthesis and Evaluation of Non-Hydrolyzable Phospho-Lysine Peptide Mimics. <i>Chemistry - A European Journal</i> , 2021, 27, 2326-2331.	3.3	7
7	Site-Specific Antibody Fragment Conjugates for Reversible Staining in Fluorescence Microscopy. <i>ChemBioChem</i> , 2021, 22, 1205-1209.	2.6	6
8	Synthesis and Evaluation of Non-Hydrolyzable Phospho-Lysine Peptide Mimics. <i>Chemistry - A European Journal</i> , 2021, 27, 2223-2223.	3.3	2
9	Targeted Subcellular Protein Delivery Using Cleavable Cyclic Cell-Penetrating Peptide-Conjugates. <i>Methods in Molecular Biology</i> , 2021, 2355, 287-299.	0.9	2
10	Discovery, X-ray structure and CPP-conjugation enabled uptake of p53/MDM2 macrocyclic peptide inhibitors. <i>RSC Chemical Biology</i> , 2021, 2, 1661-1668.	4.1	7
11	The mechanism behind enhanced reactivity of unsaturated phosphorus (<sc>v</sc>) electrophiles towards thiols. <i>Chemical Science</i> , 2021, 12, 8141-8148.	7.4	10
12	Cellular uptake of large biomolecules enabled by cell-surface-reactive cell-penetrating peptide additives. <i>Nature Chemistry</i> , 2021, 13, 530-539.	13.6	88
13	Phosphorylation and O-GlcNAcylation of the PHF-1 Epitope of Tau Protein Induce Local Conformational Changes of the C-Terminus and Modulate Tau Self-Assembly Into Fibrillar Aggregates. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 661368.	2.9	30
14	Diethynyl Phosphinates for Cysteine-Selective Protein Labeling and Disulfide Rebridging. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15359-15364.	13.8	35
15	Diethynylphosphinate für die Cystein-selektive Proteinmarkierung und Disulfid-Verbrückung. <i>Angewandte Chemie</i> , 2021, 133, 15487-15492.	2.0	2
16	Zellpermeable Nanobodies ermöglichen Zweifarben-Superauflösungsmikroskopie in lebenden, nicht transfizierten Zellen. <i>Angewandte Chemie</i> , 2021, 133, 22246-22252.	2.0	3
17	Cell-Permeable Nanobodies Allow Dual-Color Super-Resolution Microscopy in Untransfected Living Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22075-22080.	13.8	21
18	Evaluation of Multivalent Sialylated Polyglycerols for Resistance Induction in and Broad Antiviral Activity against Influenza A Viruses. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 12774-12789.	6.4	11

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19	A silyl ether-protected building block for <i>O</i> -GlcNAcylated peptide synthesis to enable one-pot acidic deprotection. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8014-8017.	2.8	3
20	<i>N</i> -Hydroxysuccinimide-Modified Ethynylphosphoramidates Enable the Synthesis of Configurationally Defined Protein Conjugates. <i>ChemBioChem</i> , 2020, 21, 113-119.	2.6	12
21	Combining free energy calculations with tailored enzyme activity assays to elucidate substrate binding of a phospho-lysine phosphatase. <i>Chemical Science</i> , 2020, 11, 12655-12661.	7.4	1
22	Phage capsid nanoparticles with defined ligand arrangement block influenza virus entry. <i>Nature Nanotechnology</i> , 2020, 15, 373-379.	31.5	96
23	Graphene Oxide-Cyclic R10 Peptide Nuclear Translocation Nanoplatforms for the Surmounting of Multiple Drug Resistance. <i>Advanced Functional Materials</i> , 2020, 30, 2000933.	14.9	39
24	Modern Peptide and Protein Chemistry: Reaching New Heights. <i>Journal of Organic Chemistry</i> , 2020, 85, 1328-1330.	3.2	8
25	Chemically Induced Vinylphosphonothiolate Electrophiles for Thiol-Thiol Bioconjugations. <i>Journal of the American Chemical Society</i> , 2020, 142, 9544-9552.	13.7	46
26	Ethynylphosphoramidates for the Rapid and Cysteine-Selective Generation of Efficacious Antibody-Drug Conjugates. <i>Angewandte Chemie</i> , 2019, 131, 11757-11762.	2.0	10
27	Ethynylphosphoramidates for the Rapid and Cysteine-Selective Generation of Efficacious Antibody-Drug Conjugates. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11631-11636.	13.8	40
28	Tubulin Tyrosine Ligase-Mediated Modification of Proteins. <i>Methods in Molecular Biology</i> , 2019, 2012, 327-355.	0.9	5
29	Electron Transfer/Higher Energy Collisional Dissociation of Doubly Charged Peptide Ions: Identification of Labile Protein Phosphorylations. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1578-1585.	2.8	24
30	Vinylphosphonites for Staudinger-induced chemoselective peptide cyclization and functionalization. <i>Chemical Science</i> , 2019, 10, 6322-6329.	7.4	48
31	In-Cell Synthesis of Bioorthogonal Alkene Tag S-Allyl-Homocysteine and Its Coupling with Reprogrammed Translation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2299.	4.1	9
32	Cysteine-Selective Phosphoramidate Electrophiles for Modular Protein Bioconjugations. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11625-11630.	13.8	76
33	Cysteine-selektive phosphoramidatbasierte Elektrophile für modulare Biokonjugationen. <i>Angewandte Chemie</i> , 2019, 131, 11751-11756.	2.0	19
34	TuPPL: Tub-tag mediated C-terminal protein-protein ligation using complementary click-chemistry handles. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4964-4969.	2.8	8
35	Protein Modification of Lysine with 2-(2-Styrylcyclopropyl)ethanal. <i>Organic Letters</i> , 2019, 21, 10043-10047.	4.6	17
36	Targeted Subcellular Protein Delivery Using Cleavable Cyclic Cell-Penetrating Peptides. <i>Bioconjugate Chemistry</i> , 2019, 30, 400-404.	3.6	60

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37	One-Step Fluorescent Protein Labeling by Tubulin Tyrosine Ligase. <i>Methods in Molecular Biology</i> , 2019, 2033, 167-189.	0.9	2
38	Tub-Tag Labeling; Chemoenzymatic Incorporation of Unnatural Amino Acids. <i>Methods in Molecular Biology</i> , 2018, 1728, 67-93.	0.9	2
39	Chemoselective triazole-phosphonamidate conjugates suitable for photorelease. <i>Chemical Communications</i> , 2018, 54, 763-766.	4.1	15
40	Nanobodies: Strategien zur chemischen Funktionalisierung und intrazelluläre Anwendungen. <i>Angewandte Chemie</i> , 2018, 130, 2336-2357.	2.0	23
41	Nanobodies: Chemical Functionalization Strategies and Intracellular Applications. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2314-2333.	13.8	170
42	Modern Ligation Methods to Access Natural and Modified Proteins. <i>Chimia</i> , 2018, 72, 802.	0.6	9
43	Multivalent Peptide-Nanoparticle Conjugates for Influenza Virus Inhibition. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5931-5936.	13.8	86
44	Werner Reutter: A Visionary Pioneer in Molecular Glycobiology. <i>ChemBioChem</i> , 2017, 18, 1141-1145.	2.6	5
45	Multivalente Peptid-Nanopartikel-Konjugate zur Hemmung des Influenzavirus. <i>Angewandte Chemie</i> , 2017, 129, 6025-6030.	2.0	8
46	Small Molecules Targeting Human N-Acetylmannosamine Kinase. <i>ChemBioChem</i> , 2017, 18, 1279-1285.	2.6	6
47	Broad substrate tolerance of tubulin tyrosine ligase enables one-step site-specific enzymatic protein labeling. <i>Chemical Science</i> , 2017, 8, 3471-3478.	7.4	31
48	Tag-Free Semi-Synthesis of the Tau Protein. <i>Methods in Molecular Biology</i> , 2017, 1523, 215-235.	0.9	4
49	Chemical Approaches to Investigate Labile Peptide and Protein Phosphorylation. <i>Accounts of Chemical Research</i> , 2017, 50, 1883-1893.	15.6	39
50	Cell-permeable nanobodies for targeted immunolabelling and antigen manipulation in living cells. <i>Nature Chemistry</i> , 2017, 9, 762-771.	13.6	216
51	Design of S-Allylcysteine in Situ Production and Incorporation Based on a Novel Pyrrolysyl-tRNA Synthetase Variant. <i>ChemBioChem</i> , 2017, 18, 85-90.	2.6	42
52	Chemoselective synthesis and analysis of naturally occurring phosphorylated cysteine peptides. <i>Nature Communications</i> , 2016, 7, 12703.	12.8	31
53	Inhibition of the key enzyme of sialic acid biosynthesis by C6-Se modified N-acetylmannosamine analogs. <i>Chemical Science</i> , 2016, 7, 3928-3933.	7.4	13
54	Semi-synthesis of a tag-free O-GlcNAcylated tau protein by sequential chemoselective ligation. <i>Journal of Peptide Science</i> , 2016, 22, 327-333.	1.4	35

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55	Current Status: Site-Specific Antibody Drug Conjugates. <i>Journal of Clinical Immunology</i> , 2016, 36, 100-107.	3.8	120
56	Versatile and Efficient Site-Specific Protein Functionalization by Tubulin Tyrosine Ligase. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13787-13791.	13.8	82
57	Native chemical ligation between asparagine and valine: Application and limitations for the synthesis of tri-phosphorylated C-terminal tau. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2890-2894.	3.0	14
58	Gas-Phase Rearrangement in Lysine Phosphorylated Peptides During Electron-Transfer Dissociation Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 6990-6994.	6.5	23
59	Direct access to site-specifically phosphorylated-lysine peptides from a solid-support. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6839-6843.	2.8	25
60	Covalent Attachment of Cyclic TAT Peptides to GFP Results in Protein Delivery into Live Cells with Immediate Bioavailability. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1950-1953.	13.8	230
61	Chemoselective Bioconjugation of Triazole Phosphonites in Aqueous Media. <i>Chemistry - A European Journal</i> , 2015, 21, 970-974.	3.3	21
62	Traceless Purification and Desulfurization of Tau Protein Ligation Products. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 306-310.	13.8	50
63	Site-specific PEGylation of Proteins: Recent Developments. <i>Journal of Organic Chemistry</i> , 2014, 79, 10727-10733.	3.2	91
64	More than add-on: chemoselective reactions for the synthesis of functional peptides and proteins. <i>Current Opinion in Chemical Biology</i> , 2014, 22, 62-69.	6.1	86
65	Site-Specifically Phosphorylated Lysine Peptides. <i>Journal of the American Chemical Society</i> , 2014, 136, 13622-13628.	13.7	68
66	Alkyne Phosphonites for Sequential Azide-Azide Couplings. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9504-9508.	13.8	34
67	Stabilization of Peptides for Intracellular Applications by Phosphoramidate-Linked Polyethylene Glycol Chains. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11920-11924.	13.8	37
68	The Alzheimer's Disease Related Tau Protein as a New Target for Chemical Protein Engineering. <i>Chemistry - A European Journal</i> , 2012, 18, 2488-2492.	3.3	34
69	Identification of O-GlcNAc sites within peptides of the Tau protein and their impact on phosphorylation. <i>Molecular BioSystems</i> , 2011, 7, 1420.	2.9	108
70	Staudinger-Phosphonite Reactions for the Chemoselective Transformation of Azido-Containing Peptides and Proteins. <i>Organic Letters</i> , 2011, 13, 5440-5443.	4.6	43
71	Perturbing the folding energy landscape of the bacterial immunity protein Im7 by site-specific N-linked glycosylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22528-22533.	7.1	72
72	Site-specific functionalisation of proteins by a Staudinger-type reaction using unsymmetrical phosphites. <i>Chemical Communications</i> , 2010, 46, 3176.	4.1	41

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73	Site-specific PEGylation of proteins by a Staudinger-phosphite reaction. <i>Chemical Science</i> , 2010, 1, 596.	7.4	77
74	Chemoselective Staudinger-Phosphite Reaction of Azides for the Phosphorylation of Proteins. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8234-8239.	13.8	126
75	Chemoselective Ligation and Modification Strategies for Peptides and Proteins. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 10030-10074.	13.8	694
76	Chemoselective Peptide Cyclization by Traceless Staudinger Ligation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5984-5988.	13.8	102
77	Synthesis of N,N-disubstituted phosphoramidates via a Lewis acid-catalyzed phosphorimidate rearrangement. <i>Chemical Communications</i> , 2008, , 2932.	4.1	30
78	A Synthetic Kiss of Death: Expressed Protein Ligation of a Ubiquitin-Peptide Conjugate. <i>ChemBioChem</i> , 2007, 8, 1221-1223.	2.6	11
79	The reduction of oxidized methionine residues in peptide thioesters with NH <sub>4</sub> Me <sub>2</sub> S. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2291-2295.	2.8	41
80	Semisynthesis of a Glycosylated Im7 Analogue for Protein Folding Studies. <i>Journal of the American Chemical Society</i> , 2005, 127, 12882-12889.	13.7	67
81	Improving Glycopeptide Synthesis: A Convenient Protocol for the Preparation of $\beta$ -Glycosylamines and the Synthesis of Glycopeptides. <i>Journal of Organic Chemistry</i> , 2005, 70, 3574-3578.	3.2	37