Christian P R Hackenberger

List of Publications by Year
in descending order

81 papers	3,965 citations	117625 34 h-index	123424 61 g-index
90 all docs	90 docs citations	90 times ranked	4341 citing authors

#	Article	IF	Citations
1	Chemoselective Ligation and Modification Strategies for Peptides and Proteins. Angewandte Chemie - International Edition, 2008, 47, 10030-10074.	13.8	694
2	Covalent Attachment of Cyclic TAT Peptides to GFP Results in Protein Delivery into Live Cells with Immediate Bioavailability. Angewandte Chemie - International Edition, 2015, 54, 1950-1953.	13.8	230
3	Cell-permeable nanobodies for targeted immunolabelling and antigen manipulation in living cells. Nature Chemistry, 2017, 9, 762-771.	13.6	216
4	Nanobodies: Chemical Functionalization Strategies and Intracellular Applications. Angewandte Chemie - International Edition, 2018, 57, 2314-2333.	13.8	170
5	Chemoselective Staudingerâ€Phosphite Reaction of Azides for the Phosphorylation of Proteins. Angewandte Chemie - International Edition, 2009, 48, 8234-8239.	13.8	126
6	Current Status: Site-Specific Antibody Drug Conjugates. Journal of Clinical Immunology, 2016, 36, 100-107.	3.8	120
7	Identification of O-GlcNAc sites within peptides of the Tau protein and their impact on phosphorylation. Molecular BioSystems, 2011, 7, 1420.	2.9	108
8	Chemoselective Peptide Cyclization by Traceless Staudinger Ligation. Angewandte Chemie - International Edition, 2008, 47, 5984-5988.	13.8	102
9	Phage capsid nanoparticles with defined ligand arrangement block influenza virus entry. Nature Nanotechnology, 2020, 15, 373-379.	31.5	96
10	Site-specific PEGylation of Proteins: Recent Developments. Journal of Organic Chemistry, 2014, 79, 10727-10733.	3.2	91
11	Cellular uptake of large biomolecules enabled by cell-surface-reactive cell-penetrating peptide additives. Nature Chemistry, 2021, 13, 530-539.	13.6	88
12	More than add-on: chemoselective reactions for the synthesis of functional peptides and proteins. Current Opinion in Chemical Biology, 2014, 22, 62-69.	6.1	86
13	Multivalent Peptideâ€“Nanoparticle Conjugates for Influenzaâ€Virus Inhibition. Angewandte Chemie - International Edition, 2017, 56, 5931-5936.	13.8	86
14	Versatile and Efficient Siteâ€Specific Protein Functionalization by Tubulin Tyrosine Ligase. Angewandte Chemie - International Edition, 2015, 54, 13787-13791.	13.8	82
15	Site-specific PEGylation of proteins by a Staudinger-phosphite reaction. Chemical Science, 2010, 1, 596.	7.4	77
16	Cysteineâ€Selective Phosphonamidate Electrophiles for Modular Protein Bioconjugations. Angewandte Chemie - International Edition, 2019, 58, 11625-11630.	13.8	76
17	Perturbing the folding energy landscape of the bacterial immunity protein Im7 by site-specific N-linked glycosylation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22528-22533.	7.1	72
18	Site-Specifically Phosphorylated Lysine Peptides. Journal of the American Chemical Society, 2014, 136, 13622-13628.	13.7	68

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19	Semisynthesis of a Glycosylated Im7 Analogue for Protein Folding Studies. Journal of the American Chemical Society, 2005, 127, 12882-12889.	13.7	67
20	Targeted Subcellular Protein Delivery Using Cleavable Cyclic Cell-Penetrating Peptides. Bioconjugate Chemistry, 2019, 30, 400-404.	3.6	60
21	Traceless Purification and Desulfurization of Tau Protein Ligation Products. Angewandte Chemie - International Edition, 2015, 54, 306-310.	13.8	50
22	Vinylphosphonites for Staudinger-induced chemoselective peptide cyclization and functionalization. Chemical Science, 2019, 10, 6322-6329.	7.4	48
23	Chemically Induced Vinylphosphonothiolate Electrophiles for Thiolâ€“Thiol Bioconjugations. Journal of the American Chemical Society, 2020, 142, 9544-9552.	13.7	46
24	Staudinger-Phosphonite Reactions for the Chemoselective Transformation of Azido-Containing Peptides and Proteins. Organic Letters, 2011, 13, 5440-5443.	4.6	43
25	Design of Sâ€Allylcysteine in Situ Production and Incorporation Based on a Novel Pyrrolysylâ€tRNA Synthetase Variant. ChemBioChem, 2017, 18, 85-90.	2.6	42
26	The reduction of oxidized methionine residues in peptide thioesters with NH4Iâ€“Me2S. Organic and Biomolecular Chemistry, 2006, 4, 2291-2295.	2.8	41
27	Site-specific functionalisation of proteins by a Staudinger-type reaction using unsymmetrical phosphites. Chemical Communications, 2010, 46, 3176.	4.1	41
28	Ethynylphosphonamidates for the Rapid and Cysteineâ€Selective Generation of Efficacious Antibodyâ€“Drug Conjugates. Angewandte Chemie - International Edition, 2019, 58, 11631-11636.	13.8	40
29	Chemical Approaches to Investigate Labile Peptide and Protein Phosphorylation. Accounts of Chemical Research, 2017, 50, 1883-1893.	15.6	39
30	Graphene Oxideâ€Cyclic R10 Peptide Nuclear Translocation Nanoplatforms for the Surmounting of Multipleâ€Drug Resistance. Advanced Functional Materials, 2020, 30, 2000933.	14.9	39
31	Improving Glycopeptide Synthesis:Â A Convenient Protocol for the Preparation of Î²-Glycosylamines and the Synthesis of Glycopeptides. Journal of Organic Chemistry, 2005, 70, 3574-3578.	3.2	37
32	Stabilization of Peptides for Intracellular Applications by Phosphoramidateâ€Linked Polyethylene Glycol Chains. Angewandte Chemie - International Edition, 2013, 52, 11920-11924.	13.8	37
33	Semiâ€synthesis of a tagâ€free Oâ€GlcNAcylated tau protein by sequential chemoselective ligation. Journal of Peptide Science, 2016, 22, 327-333.	1.4	35
34	Diethynyl Phosphinates for Cysteineâ€Selective Protein Labeling and Disulfide Rebridging. Angewandte Chemie - International Edition, 2021, 60, 15359-15364.	13.8	35
35	The Alzheimerâ€™s Disease Related Tau Protein as a New Target for Chemical Protein Engineering. Chemistry - A European Journal, 2012, 18, 2488-2492.	3.3	34
36	Alkyne Phosphonites for Sequential Azideâ€“Azide Couplings. Angewandte Chemie - International Edition, 2013, 52, 9504-9508.	13.8	34

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37	Chemoselective synthesis and analysis of naturally occurring phosphorylated cysteine peptides. Nature Communications, 2016, 7, 12703.	12.8	31
38	Broad substrate tolerance of tubulin tyrosine ligase enables one-step site-specific enzymatic protein labeling. Chemical Science, 2017, 8, 3471-3478.	7.4	31
39	Synthesis of N,N-disubstituted phosphoramidates via a Lewis acid-catalyzed phosphorimidate rearrangement. Chemical Communications, 2008, , 2932.	4.1	30
40	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. Frontiers in Molecular Neuroscience, 2021, 14, 661368.	2.9	30
41	Direct access to site-specifically phosphorylated-lysine peptides from a solid-support. Organic and Biomolecular Chemistry, 2015, 13, 6839-6843.	2.8	25
42	Electron Transfer/Higher Energy Collisional Dissociation of Doubly Charged Peptide Ions: Identification of Labile Protein Phosphorylations. Journal of the American Society for Mass Spectrometry, 2019, 30, 1578-1585.	2.8	24
43	Gas-Phase Rearrangement in Lysine Phosphorylated Peptides During Electron-Transfer Dissociation Tandem Mass Spectrometry. Analytical Chemistry, 2015, 87, 6990-6994.	6.5	23
44	Nanobodys: Strategien zur chemischen Funktionalisierung und intrazellulÃre Anwendungen. Angewandte Chemie, 2018, 130, 2336-2357.	2.0	23
45	Chemoselective Bioconjugation of Triazole Phosphonites in Aqueous Media. Chemistry - A European Journal, 2015, 21, 970-974.	3.3	21
46	Cellâ€Permeable Nanobodies Allow Dualâ€Color Superâ€Resolution Microscopy in Untransfected Living Cells. Angewandte Chemie - International Edition, 2021, 60, 22075-22080.	13.8	21
47	Cysteinselektive phosphonamidatbasierte Elektrophile fÃ¼r modulare Biokonjugationen. Angewandte Chemie, 2019, 131, 11751-11756.	2.0	19
48	Protein Modification of Lysine with 2-(2-Styrylcyclopropyl)ethanal. Organic Letters, 2019, 21, 10043-10047.	4.6	17
49	Chemoselective triazole-phosphonamidate conjugates suitable for photorelease. Chemical Communications, 2018, 54, 763-766.	4.1	15
50	Native chemical ligation between asparagine and valine: Application and limitations for the synthesis of tri-phosphorylated C-terminal tau. Bioorganic and Medicinal Chemistry, 2015, 23, 2890-2894.	3.0	14
51	Inhibition of the key enzyme of sialic acid biosynthesis by C6-Se modified N-acetylmannosamine analogs. Chemical Science, 2016, 7, 3928-3933.	7.4	13
52	Nâ€Hydroxysuccinimideâ€Modified Ethynylphosphonamidates Enable the Synthesis of Configurationally Defined Protein Conjugates. ChemBioChem, 2020, 21, 113-119.	2.6	12
53	A Synthetic Kiss of Death: Expressed Protein Ligation of a Ubiquitinâ€“Peptide Conjugate. ChemBioChem, 2007, 8, 1221-1223.	2.6	11
54	Evaluation of Multivalent Sialylated Polyglycerols for Resistance Induction in and Broad Antiviral Activity against Influenza A Viruses. Journal of Medicinal Chemistry, 2021, 64, 12774-12789.	6.4	11

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55	Ethynylphosphonamidates for the Rapid and Cysteineâ€Selective Generation of Efficacious Antibodyâ€“Drug Conjugates. Angewandte Chemie, 2019, 131, 11757-11762.	2.0	10
56	The mechanism behind enhanced reactivity of unsaturated phosphorus(<scp>v</scp>) electrophiles towards thiols. Chemical Science, 2021, 12, 8141-8148.	7.4	10
57	Modern Ligation Methods to Access Natural and Modified Proteins. Chimia, 2018, 72, 802.	0.6	9
58	In-Cell Synthesis of Bioorthogonal Alkene Tag S-Allyl-Homocysteine and Its Coupling with Reprogrammed Translation. International Journal of Molecular Sciences, 2019, 20, 2299.	4.1	9
59	Multivalente Peptidâ€Nanopartikelâ€Konjugate zur Hemmung des Influenzavirus. Angewandte Chemie, 2017, 129, 6025-6030.	2.0	8
60	TuPPL: Tub-tag mediated C-terminal proteinâ€“protein-ligation using complementary click-chemistry handles. Organic and Biomolecular Chemistry, 2019, 17, 4964-4969.	2.8	8
61	Modern Peptide and Protein Chemistry: Reaching New Heights. Journal of Organic Chemistry, 2020, 85, 1328-1330.	3.2	8
62	Synthesis and Evaluation of Nonâ€Hydrolyzable Phosphoâ€Lysine Peptide Mimics. Chemistry - A European Journal, 2021, 27, 2326-2331.	3.3	7
63	Discovery, X-ray structure and CPP-conjugation enabled uptake of p53/MDM2 macrocyclic peptide inhibitors. RSC Chemical Biology, 2021, 2, 1661-1668.	4.1	7
64	Bisâ€ethynylphosphonamidates as an Modular Conjugation Platform to Generate Multiâ€Functional Proteinâ€•and Antibodyâ€Drugâ€Conjugates. European Journal of Organic Chemistry, 2022, 2022, .	2.4	7
65	Small Molecules Targeting Human Nâ€Acetylmannosamine Kinase. ChemBioChem, 2017, 18, 1279-1285.	2.6	6
66	Siteâ€Specific Antibody Fragment Conjugates for Reversible Staining in Fluorescence Microscopy. ChemBioChem, 2021, 22, 1205-1209.	2.6	6
67	Synthetic Î±â€Helical Peptides as Potential Inhibitors of the ACE2 SARSâ€CoVâ€2 Interaction. ChemBioChem, 2022, 23, .	2.6	6
68	Werner Reutter: A Visionary Pioneer in Molecular Glycobiology. ChemBioChem, 2017, 18, 1141-1145.	2.6	5
69	Tubulin Tyrosine Ligase-Mediated Modification of Proteins. Methods in Molecular Biology, 2019, 2012, 327-355.	0.9	5
70	Tag-Free Semi-Synthesis of the Tau Protein. Methods in Molecular Biology, 2017, 1523, 215-235.	0.9	4
71	Zellpermeable Nanobodys ermÃ¶glichen Zweiâ€Farbenâ€Superauflâ¶sungsmikroskopie in lebenden, nicht transfizierten Zellen. Angewandte Chemie, 2021, 133, 22246-22252.	2.0	3
72	A silyl ether-protected building block for O-GlcNAcylated peptide synthesis to enable one-pot acidic deprotection. Organic and Biomolecular Chemistry, 2021, 19, 8014-8017.	2.8	3

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73	Tub-Tag Labeling; Chemoenzymatic Incorporation of Unnatural Amino Acids. Methods in Molecular Biology, 2018, 1728, 67-93.	0.9	2
74	Synthesis and Evaluation of Nonâ€Hydrolyzable Phosphoâ€Lysine Peptide Mimics. Chemistry - A European Journal, 2021, 27, 2223-2223.	3.3	2
75	Targeted Subcellular Protein Delivery Using Cleavable Cyclic Cell-Penetrating Peptide-Conjugates. Methods in Molecular Biology, 2021, 2355, 287-299.	0.9	2
76	Diethinylphosphinate fÃ¼r die Cysteinâ€selektive Proteinmarkierung und Disulfidâ€Verbrückung. Angewandte Chemie, 2021, 133, 15487-15492.	2.0	2
77	One-Step Fluorescent Protein Labeling by Tubulin Tyrosine Ligase. Methods in Molecular Biology, 2019, 2033, 167-189.	0.9	2
78	Atomistic insight into the essential binding event of ACE2-derived peptides to the SARS-CoV-2 spike protein. Biological Chemistry, 2022, 403, 615-624.	2.5	2
79	Modular solid-phase synthesis of electrophilic cysteine-selective ethynyl-phosphonamidate peptides. Chemical Communications, 2022, 58, 8388-8391.	4.1	2
80	Combining free energy calculations with tailored enzyme activity assays to elucidate substrate binding of a phospho-lysine phosphatase. Chemical Science, 2020, 11, 12655-12661.	7.4	1
81	Design and Functional Analysis of Heterobifunctional Multivalent Phage Capsid Inhibitors Blocking the Entry of Influenza Virus. Bioconjugate Chemistry, 2022, 33, 1269-1278.	3.6	1