

Oliver Seitz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7473622/publications.pdf>

Version: 2024-02-01

185
papers

9,449
citations

28274

55
h-index

49909

87
g-index

236
all docs

236
docs citations

236
times ranked

6425
citing authors

#	ARTICLE	IF	CITATIONS
1	Orthogonal Peptide-Templated Labeling Elucidates Lateral ET _A /ET _B Proximity and Reveals Altered Downstream Signaling. <i>ChemBioChem</i> , 2022, 23, .	2.6	4
2	RNA-templated chemical synthesis of proapoptotic L- and d-peptides. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 66, 116786.	3.0	3
3	Dissecting the role of protein phosphorylation: a chemical biology toolbox. <i>Chemical Society Reviews</i> , 2022, 51, 5691-5730.	38.1	64
4	DNA-Templated Reactions with High Catalytic Efficiency Achieved by a Loss-of-Affinity Principle. <i>Journal of the American Chemical Society</i> , 2022, 144, 10700-10704.	13.7	3
5	Live cell PNA labelling enables erasable fluorescence imaging of membrane proteins. <i>Nature Chemistry</i> , 2021, 13, 15-23.	13.6	48
6	Orthogonal coiled coils enable rapid covalent labelling of two distinct membrane proteins with peptide nucleic acid barcodes. <i>RSC Chemical Biology</i> , 2021, 2, 1291-1295.	4.1	4
7	Expanding the scope of native chemical ligation – templated small molecule drug synthesis <i>via</i> benzimidazole formation. <i>Chemical Science</i> , 2021, 12, 13450-13457.	7.4	5
8	Strategies for Site-Specific Labeling of Receptor Proteins on the Surfaces of Living Cells by Using Genetically Encoded Peptide Tags. <i>ChemBioChem</i> , 2021, 22, 1717-1732.	2.6	14
9	Ein zur Basenkatalyse befähigtes Ligationsauxiliar ermöglicht die cysteinfreie native chemische Ligation an anspruchsvollen Verknüpfungstellen. <i>Angewandte Chemie</i> , 2021, 133, 19633-19640.	2.0	2
10	Ligand-binding and -scavenging of the chemerin receptor GPR1. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 6265-6281.	5.4	12
11	Enabling Cysteine-Free Native Chemical Ligation at Challenging Junctions with a Ligation Auxiliary Capable of Base Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19483-19490.	13.8	21
12	Toward conditional control of Smac mimetic activity by <i>RNA-templated</i> reduction of azidopeptides on <i>PNA</i> or <i>OMe-RNA</i> . <i>Biopolymers</i> , 2021, 112, e23466.	2.4	4
13	A Self-Immolative Molecular Beacon for Amplified Nucleic Acid Detection**. <i>Chemistry - A European Journal</i> , 2021, 27, 14189-14194.	3.3	6
14	Traceless parallel peptide purification by a first-in-class reductively cleavable linker system featuring a safety-release. <i>Chemical Science</i> , 2021, 12, 2389-2396.	7.4	12
15	A Remote Secondary Binding Pocket Promotes Heteromultivalent Targeting of DC-SIGN. <i>Journal of the American Chemical Society</i> , 2021, 143, 18977-18988.	13.7	15
16	Peptide-PAINT Super-Resolution Imaging Using Transient Coiled Coil Interactions. <i>Nano Letters</i> , 2020, 20, 6732-6737.	9.1	49
17	Rational Design of a DNA-Scaffolded High-Affinity Binder for Langerin. <i>Angewandte Chemie</i> , 2020, 132, 21202-21208.	2.0	3
18	Rational Design of a DNA-Scaffolded High-Affinity Binder for Langerin. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21016-21022.	13.8	18

#	ARTICLE	IF	CITATIONS
19	Nucleic acid constructs for the interrogation of multivalent protein interactions. <i>Chemical Society Reviews</i> , 2020, 49, 6848-6865.	38.1	35
20	Selective flexible packaging pathways of the segmented genome of influenza A virus. <i>Nature Communications</i> , 2020, 11, 4355.	12.8	26
21	Simultaneous Targeting of Two Master Regulators of Apoptosis with Dual-Action PNA ⁺ and DNA ⁻ Peptide Conjugates. <i>Bioconjugate Chemistry</i> , 2020, 31, 1928-1937.	3.6	9
22	Monitoring Dicer ⁻ Mediated miRNA ⁻ 21 Maturation and Ago2 Loading by a Dual ⁻ Colour FIT PNA Probe Set. <i>ChemBioChem</i> , 2020, 21, 2527-2532.	2.6	6
23	Reactive Quantum Dot-Based FRET Systems for Target-Catalyzed Detection of RNA. <i>Methods in Molecular Biology</i> , 2020, 2105, 187-198.	0.9	1
24	Templated chemistry for bioorganic synthesis and chemical biology. <i>Journal of Peptide Science</i> , 2019, 25, e3198.	1.4	18
25	Nucleic acid and SNP detection via template ⁻ directed native chemical ligation and inductively coupled plasma mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2019, 54, 676-683.	1.6	6
26	A Specific, Glycomimetic Langerin Ligand for Human Langerhans Cell Targeting. <i>ACS Central Science</i> , 2019, 5, 808-820.	11.3	64
27	Chemo-biological mRNA imaging with single nucleotide specificity. <i>Chemical Communications</i> , 2019, 55, 14817-14820.	4.1	10
28	A traceless catch ⁻ and ⁻ release method for rapid peptide purification. <i>Journal of Peptide Science</i> , 2019, 25, e3136.	1.4	10
29	Untersuchungen zu Grenzen der Bivalenz mit DNA ⁻ basierter räumlicher Rasterung. <i>Angewandte Chemie</i> , 2019, 131, 918-923.	2.0	9
30	Exploring the Limits of Bivalency by DNA ⁻ Based Spatial Screening. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 907-911.	13.8	26
31	Comparing Agent ⁻ Based Delivery of DNA and PNA Forced Intercalation (FIT) Probes for Multicolor mRNA Imaging. <i>ChemBioChem</i> , 2019, 20, 595-604.	2.6	14
32	Quantum Dot-PNA Conjugates for Target-Catalyzed RNA Detection. <i>Bioconjugate Chemistry</i> , 2018, 29, 1690-1702.	3.6	23
33	Quantitative mRNA Imaging with Dual Channel qFIT Probes to Monitor Distribution and Degree of Hybridization. <i>ACS Chemical Biology</i> , 2018, 13, 742-749.	3.4	15
34	Time-Resolved Tracking of Separately Internalized Neuropeptide Y ₂ Receptors by Two-Color Pulse-Chase. <i>ACS Chemical Biology</i> , 2018, 13, 618-627.	3.4	17
35	Features of Auxiliaries That Enable Native Chemical Ligation beyond Glycine and Cleavage via Radical Fragmentation. <i>Chemistry - A European Journal</i> , 2018, 24, 3623-3633.	3.3	21
36	A bright FIT-PNA hybridization probe for the hybridization state specific analysis of a C ⁺ U RNA edit <i>via</i> FRET in a binary system. <i>Chemical Science</i> , 2018, 9, 4794-4800.	7.4	28

#	ARTICLE	IF	CITATIONS
37	In Vivo Visualization and Function Probing of Transport mRNPs Using Injected FIT Probes. <i>Methods in Molecular Biology</i> , 2018, 1649, 273-287.	0.9	0
38	Sialyl-LacNAc-PNA TM DNA concatamers by rolling circle amplification as multivalent inhibitors for Influenza A virus particles. <i>ChemBioChem</i> , 2018, 20, 159-165.	2.6	15
39	Maximizing Output in RNA-Programmed Peptidyl-Transfer Reactions. <i>ChemBioChem</i> , 2017, 18, 872-879.	2.6	14
40	Immobilization methods for the rapid total chemical synthesis of proteins on microtiter plates. <i>Journal of Peptide Science</i> , 2017, 23, 539-548.	1.4	6
41	Nucleic Acid Templated Reactions for Chemical Biology. <i>ChemMedChem</i> , 2017, 12, 872-882.	3.2	51
42	A Fluorescent RNA Forced-Intercalation Probe as a Pan-Selective Marker for Influenza A Virus Infection. <i>ChemBioChem</i> , 2017, 18, 1589-1592.	2.6	9
43	Spatial Screening of Hemagglutinin on Influenza A Virus Particles: Sialyl-LacNAc Displays on DNA and PEG Scaffolds Reveal the Requirements for Bivalency Enhanced Interactions with Weak Monovalent Binders. <i>Journal of the American Chemical Society</i> , 2017, 139, 16389-16397.	13.7	70
44	A fluorogenic native chemical ligation for assessing the role of distance in peptide-templated peptide ligation. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5022-5030.	3.0	7
45	Strand Displacement in Coiled-Coil Structures: Controlled Induction and Reversal of Proximity. <i>Angewandte Chemie</i> , 2017, 129, 14405-14409.	2.0	9
46	Strand Displacement in Coiled-Coil Structures: Controlled Induction and Reversal of Proximity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14217-14221.	13.8	26
47	Selective Binders of the Tandem Src Homology 2 Domains in Syk and Zap70 Protein Kinases by DNA-Programmed Spatial Screening. <i>Bioconjugate Chemistry</i> , 2017, 28, 2384-2392.	3.6	17
48	Bivalent Display of Dicysteine on Peptide Nucleic Acids for Homogenous DNA/RNA Detection through in Situ Fluorescence Labelling. <i>ChemBioChem</i> , 2017, 18, 189-194.	2.6	11
49	Synthesis of Bipartite Tetracysteine PNA Probes for DNA In Situ Fluorescent Labeling. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2017, 71, 4.78.1-4.78.14.	0.5	0
50	Parallele chemische Proteinsynthese auf der Oberfläche zur schnellen Analyse der Phosphoregulierung von SH3-Domänen. <i>Angewandte Chemie</i> , 2016, 128, 7368-7373.	2.0	5
51	Total chemical synthesis of proteins without HPLC purification. <i>Chemical Science</i> , 2016, 7, 6753-6759.	7.4	45
52	Parallel Chemical Protein Synthesis on a Surface Enables the Rapid Analysis of the Phosphoregulation of SH3 Domains. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7252-7256.	13.8	21
53	Native chemical ligation at a base-labile 4-mercaptobutyrate N ^ε -auxiliary. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 1434-1437.	2.2	12
54	DNA Stains as Surrogate Nucleobases in Fluorogenic Hybridization Probes. <i>Accounts of Chemical Research</i> , 2016, 49, 714-723.	15.6	81

#	ARTICLE	IF	CITATIONS
55	Peptide-tags for site-specific protein labelling in vitro and in vivo. <i>Molecular BioSystems</i> , 2016, 12, 1731-1745.	2.9	152
56	LNA-enhanced DNA FIT-probes for multicolour RNA imaging. <i>Chemical Science</i> , 2016, 7, 128-135.	7.4	64
57	Conjugation of DNA with Biomolecules and Nanoparticles. , 2015, , 247-327.		0
58	Molecular Beaconâ€“Type RNA Imaging. <i>Series in Cellular and Clinical Imaging</i> , 2015, , 167-198.	0.2	0
59	A Type of Auxiliary for Native Chemical Peptide Ligation beyond Cysteine and Glycine Junctions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15055-15059.	13.8	67
60	Exploring monovalent and multivalent peptides for the inhibition of FBP21-tWW. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 701-706.	2.2	12
61	High Affinity Fluorescent Ligands for the Estrogen Receptor. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2157-2166.	2.4	15
62	Probing heterobivalent binding to the endocytic AP-2 adaptor complex by DNA-based spatial screening. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8008-8015.	2.8	22
63	Template-directed ligation on repetitive DNA sequences: a chemical method to probe the length of Huntington DNA. <i>Chemical Science</i> , 2015, 6, 724-728.	7.4	21
64	Potential of Proapoptotic Peptides to Induce the Formation of Giant Plasma Membrane Vesicles with Lipid Domains. <i>ChemBioChem</i> , 2015, 16, 1288-1292.	2.6	2
65	Rapid Covalent Fluorescence Labeling of Membrane Proteins on Live Cells via Coiled-Coil Templated Acyl Transfer. <i>Bioconjugate Chemistry</i> , 2015, 26, 2106-2117.	3.6	31
66	Peptideâ€“Templated Acyl Transfer: A Chemical Method for the Labeling of Membrane Proteins on Live Cells. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10237-10241.	13.8	71
67	DNA-Triggered Dye Transfer on a Quantum Dot. <i>Bioconjugate Chemistry</i> , 2014, 25, 18-23.	3.6	27
68	Templated native chemical ligation: peptide chemistry beyond protein synthesis. <i>Journal of Peptide Science</i> , 2014, 20, 78-86.	1.4	38
69	Direct coupling of annexin A5 to VSOP yields small, proteinâ€“covered nanoprobe for MR imaging of apoptosis. <i>Contrast Media and Molecular Imaging</i> , 2014, 9, 291-299.	0.8	8
70	Proteintemplatâ€“vermittelter Acyltransfer: eine chemische Methode fÃ¼r die Markierung von Membranproteinen an lebenden Zellen. <i>Angewandte Chemie</i> , 2014, 126, 10402-10406.	2.0	20
71	Brightness through Local Constraintâ€“LNAâ€“Enhanced FIT Hybridization Probes for In Vivo Ribonucleotide Particle Tracking. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11370-11375.	13.8	55
72	Cytotoxic peptideâ€“PNA conjugates obtained by RNA-programmed peptidyl transfer with turnover. <i>Chemical Science</i> , 2014, 5, 2850-2854.	7.4	22

#	ARTICLE	IF	CITATIONS
73	Amplification by nucleic acid-templated reactions. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2821-2833.	2.8	46
74	Double-Clicking Peptides onto Phosphorothioate Oligonucleotides: Combining Two Proapoptotic Agents in One Molecule. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10504-10509.	13.8	17
75	Solid Phase Synthesis of Short Peptide-Based Multimetal Tags for Biomolecule Labeling. <i>Bioconjugate Chemistry</i> , 2014, 25, 1069-1077.	3.6	9
76	Protease Probes that Enable Excimer Signaling upon Scission. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11955-11959.	13.8	18
77	DNA-Templated Native Chemical Ligation of Functionalized Peptide Nucleic Acids: A Versatile Tool for Single Base-Specific Detection of Nucleic Acids. <i>Methods in Molecular Biology</i> , 2014, 1050, 131-141.	0.9	4
78	Carbohydrate-PNA and Aptamer-PNA Conjugates for the Spatial Screening of Lectins and Lectin Assemblies. <i>ChemBioChem</i> , 2013, 14, 236-250.	2.6	39
79	Nucleic acids: new life, new materials. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2058.	2.8	7
80	The role of reactivity in DNA templated native chemical PNA ligation during PCR. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3458-3464.	3.0	26
81	Brightness Enhanced DNA FIT-Probes for Wash-Free RNA Imaging in Tissue. <i>Journal of the American Chemical Society</i> , 2013, 135, 19025-19032.	13.7	103
82	Promoting strand exchange in a DNA-templated transfer reaction. <i>Chemical Communications</i> , 2013, 49, 618-620.	4.1	30
83	Bioorthogonal reactions challenged: DNA templated native chemical ligation during PCR. <i>Chemical Science</i> , 2013, 4, 432-436.	7.4	50
84	Reducing Product Inhibition in Nucleic Acid-Templated Ligation Reactions: DNA-Templated Cycligation. <i>ChemBioChem</i> , 2013, 14, 2322-2328.	2.6	19
85	Sequence-Specific Imaging of Influenza A mRNA in Living Infected Cells Using Fluorescent FIT-PNA. <i>Methods in Molecular Biology</i> , 2013, 1039, 291-301.	0.9	2
86	Remote Control of Lipophilic Nucleic Acids Domain Partitioning by DNA Hybridization and Enzymatic Cleavage. <i>Journal of the American Chemical Society</i> , 2012, 134, 20490-20497.	13.7	35
87	Chemical structure requirements and cellular targeting of microRNA-122 by peptide nucleic acids anti-miRs. <i>Nucleic Acids Research</i> , 2012, 40, 2152-2167.	14.5	105
88	Dual fluorophore PNA FIT-probes are extremely responsive and bright hybridization probes for the sensitive detection of DNA and RNA. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7363.	2.8	36
89	PNA FIT-Probes for the Dual Color Imaging of Two Viral mRNA Targets in Influenza H1N1 Infected Live Cells. <i>Bioconjugate Chemistry</i> , 2012, 23, 2051-2060.	3.6	77
90	Multivalency as a Chemical Organization and Action Principle. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10472-10498.	13.8	854

#	ARTICLE	IF	CITATIONS
91	Single Labeled DNA FIT Probes for Avoiding False-Positive Signaling in the Detection of DNA/RNA in qPCR or Cell Media. <i>ChemBioChem</i> , 2012, 13, 2072-2081.	2.6	42
92	Consecutive Signal Amplification for DNA Detection Based on De Novo Fluorophore Synthesis and Host-Guest Chemistry. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4479-4483.	13.8	43
93	DNA-programmed spatial screening of carbohydrate-lectin interactions. <i>Chemical Science</i> , 2011, 2, 770.	7.4	85
94	PNA-sugar conjugates as tools for the spatial screening of carbohydrate-lectin interactions. <i>Pure and Applied Chemistry</i> , 2011, 84, 77-85.	1.9	5
95	DNA-guided display of proteins and protein ligands for the interrogation of biology. <i>Chemical Society Reviews</i> , 2011, 40, 5789.	38.1	69
96	Fluorescence Imaging of Influenza Virus H1N1 mRNA in Living Infected Cells using Single Chromophore FIT-PNA. <i>Biophysical Journal</i> , 2011, 100, 182a-183a.	0.5	1
97	DNA-instructed acyl transfer reactions for the synthesis of bioactive peptides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 4993-4997.	2.2	24
98	Synthesis of Nucleic Acid-Peptide Conjugates Targeted to Proteins. <i>Israel Journal of Chemistry</i> , 2011, 51, 876-884.	2.3	5
99	9-Fluorenylmethoxycarbonyl-Based Solid-Phase Synthesis of Peptide β -Thioesters. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1232-1240.	13.8	176
100	Fluorescence Imaging of Influenza H1N1 mRNA in Living Infected Cells Using Single-Chromophore FIT-PNA. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1931-1934.	13.8	112
101	DNA-Triggered Synthesis and Bioactivity of Proapoptotic Peptides. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2828-2832.	13.8	57
102	DNA as a Molecular Ruler: Interrogation of a Tandem SH2 Domain with Self-Assembled, Bivalent DNA-Peptide Complexes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4146-4150.	13.8	95
103	DNA-Controlled Bivalent Presentation of Ligands for the Estrogen Receptor. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8592-8596.	13.8	65
104	Ascorbate as an Alternative to Thiol Additives in Native Chemical Ligation. <i>ChemBioChem</i> , 2011, 12, 1396-1400.	2.6	77
105	Conformational Analysis of Bivalent Estrogen Receptor Ligands: From Intramolecular to Intermolecular Binding. <i>ChemBioChem</i> , 2011, 12, 2587-2598.	2.6	28
106	Native chemical ligation in the synthesis of internally modified oligonucleotide-peptide conjugates. <i>Biopolymers</i> , 2010, 94, 397-404.	2.4	32
107	Invited review ligation-Desulfurization: A powerful combination in the synthesis of peptides and glycopeptides. <i>Biopolymers</i> , 2010, 94, 551-559.	2.4	106
108	Evolution of synthetic polymers. <i>Artificial DNA, PNA & XNA</i> , 2010, 1, 61-63.	1.4	0

#	ARTICLE	IF	CITATIONS
109	Designed thiazole orange nucleotides for the synthesis of single labelled oligonucleotides that fluoresce upon matched hybridization. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2439.	2.8	50
110	Lipid Domain Specific Recruitment of Lipophilic Nucleic Acids: A Key for Switchable Functionalization of Membranes. <i>Journal of the American Chemical Society</i> , 2010, 132, 16066-16072.	13.7	60
111	Automated Fmoc-Based Solid-Phase Synthesis of Peptide Thioesters with Self-Purification Effect and Application in the Construction of Immobilized SH3 Domains. <i>Journal of the American Chemical Society</i> , 2010, 132, 11110-11118.	13.7	43
112	Chemical control of biomolecular interaction modules. <i>Pure and Applied Chemistry</i> , 2009, 81, 273-284.	1.9	9
113	Nucleic Acid Templated Reactions: Consequences of Probe Reactivity and Readout Strategy for Amplified Signaling and Sequence Selectivity. <i>Chemistry - A European Journal</i> , 2009, 15, 6723-6730.	3.3	69
114	DNA and RNA Controlled Switching of Protein Kinase Activity. <i>ChemBioChem</i> , 2009, 10, 758-765.	2.6	28
115	Internal Cysteine Accelerates Thioester-Based Peptide Ligation. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 2096-2101.	2.4	40
116	Binaphthyl-DNA: Stacking and Fluorescence of a Nonplanar Aromatic Base Surrogate in DNA. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8250-8253.	13.8	35
117	New aspects in fragmentation of peptide nucleic acids: comparison of positive and negative ions by electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1132-1138.	1.5	2
118	Synthesis and evaluation of a netropsin-proximicin-hybrid library for DNA binding and cytotoxicity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3811-3815.	2.2	12
119	Total Synthesis of Proximicin A ¹³ C and Synthesis of New Furan-Based DNA Binding Agents. <i>Organic Letters</i> , 2009, 11, 2804-2807.	4.6	35
120	Achieving Turnover in DNA-Templated Reactions. <i>ChemBioChem</i> , 2008, 9, 2185-2192.	2.6	123
121	Extending the Scope of Native Chemical Peptide Coupling. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1553-1556.	13.8	66
122	Proximicins A, B, and C Antitumor Furan Analogues of Netropsin from the Marine Actinomycete <i>Verrucosipora</i> Induce Upregulation of p53 and the Cyclin Kinase Inhibitor p21. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3258-3261.	13.8	81
123	Target-Catalyzed Transfer Reactions for the Amplified Detection of RNA. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7119-7122.	13.8	66
124	Native Chemical Ligation at Valine. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6807-6810.	13.8	314
125	Low-Noise Stemless PNA Beacons for Sensitive DNA and RNA Detection. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9555-9559.	13.8	105
126	New cyanine dyes as base surrogates in PNA: Forced intercalation probes (FIT-probes) for homogeneous SNP detection. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 114-125.	3.0	95

#	ARTICLE	IF	CITATIONS
127	Single nucleotide specific detection of DNA by native chemical ligation of fluorescence labeled PNA-probes. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 65-77.	3.0	65
128	Nucleic acid modification for fluorescence-based technologies. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 17-18.	3.0	6
129	Inducing the replacement of PNA in DNA-PNA duplexes by DNA. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 34-39.	3.0	11
130	FIT probes: Peptide nucleic acid probes with a fluorescent base surrogate enable real-time DNA quantification and single nucleotide polymorphism discovery. <i>Analytical Biochemistry</i> , 2008, 375, 318-330.	2.4	95
131	N ^α -O-Acyl shift in Fmoc-based synthesis of phosphopeptides. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1349.	2.8	20
132	O-Allyl protection in the Fmoc-based synthesis of difficult PNA. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2493.	2.8	15
133	Controlling the activity of peptides and proteins with smart nucleic acid-protein hybrids. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 3881.	2.8	26
134	Recognizing and Controlling Biomolecules with "Smart" Hybridization-based Switches. <i>Nucleic Acids Symposium Series</i> , 2008, 52, 29-30.	0.3	0
135	FIT-Probes in Real-Time PCR. <i>Methods in Molecular Biology</i> , 2008, 429, 187-197.	0.9	5
136	Hairpin Peptide Beacon: A Dual-Labeled PNA-Peptide-Hybrids for Protein Detection. <i>Journal of the American Chemical Society</i> , 2007, 129, 12693-12695.	13.7	87
137	Synthesis of C-Aryl-Nucleosides and O-Aryl-Glycosides via Cuprate Glycosylation. <i>Journal of Organic Chemistry</i> , 2007, 72, 8811-8819.	3.2	35
138	Exploring Base-Pair-Specific Optical Properties of the DNA Stain Thiazole Orange. <i>Chemistry - A European Journal</i> , 2007, 13, 300-310.	3.3	80
139	DNA-Controlled Reversible Switching of Peptide Conformation and Bioactivity. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2704-2707.	13.8	44
140	Triplex Molecular Beacons as Modular Probes for DNA Detection. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5223-5225.	13.8	140
141	Solid-Phase Synthesis of Peptide Thioesters with Self-Purification. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4577-4580.	13.8	61
142	DNA-gesteuerte reversible Schaltung der Konformation und der Bioaktivität eines Peptids. <i>Angewandte Chemie</i> , 2007, 119, 2759-2763.	2.0	15
143	DNA Made of Purines Only. <i>Chemistry and Biology</i> , 2007, 14, 467-469.	6.0	3
144	Chemical Synthesis of Glycopeptides. , 2006, , 1-36.		21

#	ARTICLE	IF	CITATIONS
145	Large Dynamic Stokes Shift of DNA Intercalation Dye Thiazole Orange has Contribution from a High-Frequency Mode. <i>Journal of the American Chemical Society</i> , 2006, 128, 2954-2962.	13.7	123
146	DNA-Catalyzed Transfer of a Reporter Group. <i>Journal of the American Chemical Society</i> , 2006, 128, 15596-15597.	13.7	137
147	Diastereoselective Synthesis of \hat{I}^2 -Aryl-C-nucleosides from 1,2-Anhydrosugars. <i>Organic Letters</i> , 2006, 8, 4319-4322.	4.6	38
148	Diels-Alder Ligation of Peptides and Proteins. <i>Chemistry - A European Journal</i> , 2006, 12, 6095-6109.	3.3	82
149	Reducing Product Inhibition in DNA-Template-Controlled Ligation Reactions. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5369-5373.	13.8	102
150	Forced intercalation as a tool in gene diagnostics and in studying DNA-protein interactions. <i>Pure and Applied Chemistry</i> , 2005, 77, 327-338.	1.9	18
151	Divergent and Linear Solid-Phase Synthesis of PNA Containing Thiazole Orange as Artificial Base. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 3187-3195.	2.4	61
152	Forced Intercalation Probes (FIT Probes): Thiazole Orange as a Fluorescent Base in Peptide Nucleic Acids for Homogeneous Single-Nucleotide-Polymorphism Detection. <i>ChemBioChem</i> , 2005, 6, 69-77.	2.6	207
153	As Fast and Selective as Enzymatic Ligations: Unpaired Nucleobases Increase the Selectivity of DNA-Controlled Native Chemical PNA Ligation. <i>ChemBioChem</i> , 2005, 6, 2098-2103.	2.6	80
154	Glycopeptides and Glycoproteins: Synthetic Chemistry and Biology. , 2005, , 169-214.		3
155	Concise synthesis of aryl-C-nucleosides by Friedel-Crafts alkylation. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 4233.	2.8	37
156	Convergent Synthesis of Peptide Nucleic Acids by Native Chemical Ligation. <i>Organic Letters</i> , 2005, 7, 4365-4368.	4.6	58
157	Direct Carbodiimide-Mediated Conjugation of Carboxylates Using \hat{A} Pyridinium-Toluenesulfonate and Tertiary Amines as Additives. <i>Synlett</i> , 2004, 2004, 2525-2528.	1.8	5
158	Synthese von 6-O-Benzylguanin und seinen Anker-Konjugaten / Synthesis of 6-O-Benzyl Guanine and its Conjugations with Linkers. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2004, 59, 802-806.	0.7	5
159	New isocysteine building blocks and chemoselective peptide ligation. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 59.	2.8	36
160	Ensemble hybridisation - a new method for exploring sequence dependent fluorescence of dye-nucleic acid conjugates. <i>Chemical Communications</i> , 2004, , 2674-2675.	4.1	22
161	Single-Nucleotide-Specific PNA~Peptide Ligation on Synthetic and PCR DNA Templates. <i>Journal of the American Chemical Society</i> , 2004, 126, 9970-9981.	13.7	109
162	Polycyclic Aromatic DNA-Base Surrogates: High-Affinity Binding to an Adenine-Specific Base-Flipping DNA Methyltransferase. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3958-3960.	13.8	69

#	ARTICLE	IF	CITATIONS
163	Synthesis of protein-nucleic acid conjugates by expressed protein ligation. <i>Chemical Communications</i> , 2003, , 822-823.	4.1	81
164	Thiazole orange as fluorescent universal base in peptide nucleic acids. <i>Chemical Communications</i> , 2003, , 2938-2939.	4.1	97
165	Glycopeptides and Glycoproteins: Synthetic Chemistry and Biology. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2003, , 21-33.	0.1	0
166	Local disruption of DNA-base stacking by bulky base surrogates. <i>Chemical Communications</i> , 2002, , 500-501.	4.1	45
167	Sequence fidelity of a template-directed PNA-ligation reaction PNA = peptide nucleic acid. <i>Chemical Communications</i> , 2001, , 2050-2051.	4.1	32
168	Synthetic peptide conjugates-tailor-made probes for the biology of protein modification and protein processing. <i>Tetrahedron</i> , 2001, 57, 2247-2277.	1.9	50
169	Convergent Strategies for the Attachment of Fluorescing Reporter Groups to Peptide Nucleic Acids in Solution and on Solid Phase. <i>Chemistry - A European Journal</i> , 2001, 7, 3911-3925.	3.3	28
170	Mass-Spectrometric Monitoring of a PNA-Based Ligation Reaction for the Multiplex Detection of DNA Single-Nucleotide Polymorphisms. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3178-3181.	13.8	56
171	Solid-Phase Synthesis of Doubly Labeled Peptide Nucleic Acids as Probes for the Real-Time Detection of Hybridization. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3249-3252.	13.8	93
172	Glycopeptide Synthesis and the Effects of Glycosylation on Protein Structure and Activity. <i>ChemBioChem</i> , 2000, 1, 214-246.	2.6	208
173	Synthesis of a triply phosphorylated pentapeptide from human I ₁ -protein. <i>Bioorganic and Medicinal Chemistry</i> , 2000, 8, 2433-2439.	3.0	3
174	Solid phase synthesis of protected peptide nucleic acids. <i>Tetrahedron Letters</i> , 1999, 40, 4161-4164.	1.4	15
175	A Convergent Strategy for the Modification of Peptide Nucleic Acids: Novel Mismatch-Specific PNA-Hybridization Probes. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2203-2206.	13.8	72
176	Chemically Modified Antisense Oligonucleotides-Recent Improvements of RNA Binding and Ribonuclease H Recruitment. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3466-3469.	13.8	14
177	Structural Study on O-Glycopeptides: Glycosylation-Induced Conformational Changes of O-GlcNAc, O-LacNAc, O-Sialyl-LacNAc, and O-Sialyl-Lewis-X Peptides of the Mucin Domain of MAdCAM-1. <i>Journal of the American Chemical Society</i> , 1999, 121, 2409-2417.	13.7	52
178	New Protecting Group Strategies for the Solid-Phase Synthesis and Modification of Peptides, Oligonucleotides, and Oligosaccharides. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 3109-3111.	13.8	15
179	Solution- and Solid-Phase Synthesis of N-Protected Glycopeptide Esters of the Benzyl Type as Substrates for Subtilisin-Catalyzed Glycopeptide Couplings. <i>Journal of the American Chemical Society</i> , 1998, 120, 1979-1989.	13.7	47
180	Glycosylation of Threonine of the Repeating Unit of RNA Polymerase II with β -Linked N-Acetylglucosamine Leads to a Turnlike Structure. <i>Journal of the American Chemical Society</i> , 1998, 120, 11567-11575.	13.7	73

#	ARTICLE	IF	CITATIONS
181	A sequencing strategy for the localization of O-glycosylation sites of MUC1 tandem repeats by PSD-MALDI mass spectrometry. <i>Glycobiology</i> , 1997, 7, 881-896.	2.5	52
182	Chemoenzymatic Solution- and Solid-Phase Synthesis of O-Glycopeptides of the Mucin Domain of MAdCAM-1. A General Route to O-LacNAc, O-Sialyl-LacNAc, and O-Sialyl-Lewis-X Peptides. <i>Journal of the American Chemical Society</i> , 1997, 119, 8766-8776.	13.7	131
183	HYCRON, an Allylic Anchor for High-Efficiency Solid Phase Synthesis of Protected Peptides and Glycopeptides. <i>Journal of Organic Chemistry</i> , 1997, 62, 813-826.	3.2	99
184	Ein neuer allylischer Anker für die Festphasensynthese – Synthese von geschützten und ungeschützten O-Glycopeptiden des Mucintyps. <i>Angewandte Chemie</i> , 1995, 107, 901-904.	2.0	35
185	A Novel Allylic Anchor for Solid-Phase Synthesis – Synthesis of Protected and Unprotected O-Glycosylated Mucin-Type Glycopeptides. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 803-805.	4.4	82