

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

28190

55
h-index

49773

87
g-index

236
all docs

236
docs citations

236
times ranked

6425
citing authors

#	ARTICLE	IF	CITATIONS
1	Multivalency as a Chemical Organization and Action Principle. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10472-10498.	7.2	854
2	Native Chemical Ligation at Valine. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6807-6810.	7.2	314
3	Glycopeptide Synthesis and the Effects of Glycosylation on Protein Structure and Activity. <i>ChemBioChem</i> , 2000, 1, 214-246.	1.3	208
4	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.	1.3	207
5	9-Fluorenylmethoxycarbonyl-Based Solid-Phase Synthesis of Peptide \pm Thioesters. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1232-1240.	7.2	176
6	Peptide-tags for site-specific protein labelling in vitro and in vivo. <i>Molecular BioSystems</i> , 2016, 12, 1731-1745.	2.9	152
7	Triplex Molecular Beacons as Modular Probes for DNA Detection. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5223-5225.	7.2	140
8	DNA-Catalyzed Transfer of a Reporter Group. <i>Journal of the American Chemical Society</i> , 2006, 128, 15596-15597.	6.6	137
9	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.	6.6	131
10	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.	6.6	123
11	Achieving Turnover in DNA-Templated Reactions. <i>ChemBioChem</i> , 2008, 9, 2185-2192.	1.3	123
12	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.	7.2	112
13	Single-Nucleotide-Specific PNA-Peptide Ligation on Synthetic and PCR DNA Templates. <i>Journal of the American Chemical Society</i> , 2004, 126, 9970-9981.	6.6	109
14	Invited review: Desulfurization: A powerful combination in the synthesis of peptides and glycopeptides. <i>Biopolymers</i> , 2010, 94, 551-559.	1.2	106
15	Low-Noise Stemless PNA Beacons for Sensitive DNA and RNA Detection. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9555-9559.	7.2	105
16	Chemical structure requirements and cellular targeting of microRNA-122 by peptide nucleic acids anti-miRs. <i>Nucleic Acids Research</i> , 2012, 40, 2152-2167.	6.5	105
17	Brightness Enhanced DNA FIT-Probes for Wash-Free RNA Imaging in Tissue. <i>Journal of the American Chemical Society</i> , 2013, 135, 19025-19032.	6.6	103
18	Reducing Product Inhibition in DNA-Template-Controlled Ligation Reactions. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5369-5373.	7.2	102

#	ARTICLE	IF	CITATIONS
19	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.	1.7	99
20	Thiazole orange as fluorescent universal base in peptide nucleic acids. <i>Chemical Communications</i> , 2003, , 2938-2939.	2.2	97
21	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.	1.4	95
22	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.	1.1	95
23	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.	7.2	95
24	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.	7.2	93
25	Hairpin Peptide Beacon: A Dual-Labeled PNA-Peptide-Hybrids for Protein Detection. <i>Journal of the American Chemical Society</i> , 2007, 129, 12693-12695.	6.6	87
26	DNA-programmed spatial screening of carbohydrate-lectin interactions. <i>Chemical Science</i> , 2011, 2, 770.	3.7	85
27	A Novel Allylic Anchor for Solid-Phase 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
28	Diels-Alder Ligation of Peptides and Proteins. <i>Chemistry - A European Journal</i> , 2006, 12, 6095-6109.	1.7	82
29	Synthesis of protein-nucleic acid conjugates by expressed protein ligation. <i>Chemical Communications</i> , 2003, , 822-823.	2.2	81
30	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.	7.2	81
31	DNA Stains as Surrogate Nucleobases in Fluorogenic Hybridization Probes. <i>Accounts of Chemical Research</i> , 2016, 49, 714-723.	7.6	81
32	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.	1.3	80
33	Exploring Base-Pair-Specific Optical Properties of the DNA Stain Thiazole Orange. <i>Chemistry - A European Journal</i> , 2007, 13, 300-310.	1.7	80
34	Ascorbate as an Alternative to Thiol Additives in Native Chemical Ligation. <i>ChemBioChem</i> , 2011, 12, 1396-1400.	1.3	77
35	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.	1.8	77
36	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.	6.6	73

#	ARTICLE	IF	CITATIONS
37	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.	7.2	72
38	Peptide-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.	7.2	71
39	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.	6.6	70
40	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.	7.2	69
41	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.	1.7	69
42	DNA-guided display of proteins and protein ligands for the interrogation of biology. <i>Chemical Society Reviews</i> , 2011, 40, 5789.	18.7	69
43	A Type of Auxiliary for Native Chemical Peptide Ligation beyond Cysteine and Glycine Junctions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15055-15059.	7.2	67
44	Extending the Scope of Native Chemical Peptide Coupling. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1553-1556.	7.2	66
45	Target-catalyzed Transfer Reactions for the Amplified Detection of RNA. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7119-7122.	7.2	66
46	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.	1.4	65
47	DNA-controlled Bivalent Presentation of Ligands for the Estrogen Receptor. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8592-8596.	7.2	65
48	LNA-enhanced DNA FIT-probes for multicolour RNA imaging. <i>Chemical Science</i> , 2016, 7, 128-135.	3.7	64
49	A Specific, Glycomimetic Langerin Ligand for Human Langerhans Cell Targeting. <i>ACS Central Science</i> , 2019, 5, 808-820.	5.3	64
50	Dissecting the role of protein phosphorylation: a chemical biology toolbox. <i>Chemical Society Reviews</i> , 2022, 51, 5691-5730.	18.7	64
51	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.	1.2	61
52	Solid-Phase Synthesis of Peptide Thioesters with Self-Purification. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4577-4580.	7.2	61
53	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.	6.6	60
54	Convergent Synthesis of Peptide Nucleic Acids by Native Chemical Ligation. <i>Organic Letters</i> , 2005, 7, 4365-4368.	2.4	58

#	ARTICLE	IF	CITATIONS
55	DNA-Triggered Synthesis and Bioactivity of Proapoptotic Peptides. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2828-2832.	7.2	57
56	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.	7.2	56
57	Brightness through Local Constraint—LNA-Enhanced FIT Hybridization Probes for In Vivo Ribonucleotide Particle Tracking. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11370-11375.	7.2	55
58	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.	1.3	52
59	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.	6.6	52
60	Nucleic Acid Templated Reactions for Chemical Biology. <i>ChemMedChem</i> , 2017, 12, 872-882.	1.6	51
61	Synthetic peptide conjugates—tailor-made probes for the biology of protein modification and protein processing. <i>Tetrahedron</i> , 2001, 57, 2247-2277.	1.0	50
62	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.	1.5	50
63	Bioorthogonal reactions challenged: DNA templated native chemical ligation during PCR. <i>Chemical Science</i> , 2013, 4, 432-436.	3.7	50
64	Peptide-PAINT Super-Resolution Imaging Using Transient Coiled Coil Interactions. <i>Nano Letters</i> , 2020, 20, 6732-6737.	4.5	49
65	Live cell PNA labelling enables erasable fluorescence imaging of membrane proteins. <i>Nature Chemistry</i> , 2021, 13, 15-23.	6.6	48
66	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.	6.6	47
67	Amplification by nucleic acid-templated reactions. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2821-2833.	1.5	46
68	Local disruption of DNA-base stacking by bulky base surrogates. <i>Chemical Communications</i> , 2002, , 500-501.	2.2	45
69	Total chemical synthesis of proteins without HPLC purification. <i>Chemical Science</i> , 2016, 7, 6753-6759.	3.7	45
70	DNA-Controlled Reversible Switching of Peptide Conformation and Bioactivity. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2704-2707.	7.2	44
71	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.	6.6	43
72	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.	7.2	43

#	ARTICLE	IF	CITATIONS
73	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.	1.3	42
74	Internal Cysteine Accelerates Thioester-Based Peptide Ligation. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 2096-2101.	1.2	40
75	Carbohydrate-PNA and Aptamer-PNA Conjugates for the Spatial Screening of Lectins and Lectin Assemblies. <i>ChemBioChem</i> , 2013, 14, 236-250.	1.3	39
76	Diastereoselective Synthesis of β^2 -Aryl-C-nucleosides from 1,2-Anhydrosugars. <i>Organic Letters</i> , 2006, 8, 4319-4322.	2.4	38
77	Templated native chemical ligation: peptide chemistry beyond protein synthesis. <i>Journal of Peptide Science</i> , 2014, 20, 78-86.	0.8	38
78	Concise synthesis of aryl-C-nucleosides by Friedel-Crafts alkylation. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 4233.	1.5	37
79	New isocysteine building blocks and chemoselective peptide ligation. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 59.	1.5	36
80	Dual fluorophore PNA FIT-probes - extremely responsive and bright hybridization probes for the sensitive detection of DNA and RNA. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7363.	1.5	36
81	Ein neuer allylischer Anker für die Festphasensynthese - Synthese von geschützten und ungeschützten α -Glycopeptiden des Mucintyps. <i>Angewandte Chemie</i> , 1995, 107, 901-904.	1.6	35
82	Synthesis of β -Aryl-Nucleosides and β -Aryl-Glycosides via Cuprate Glycosylation. <i>Journal of Organic Chemistry</i> , 2007, 72, 8811-8819.	1.7	35
83	Binaphthyl-DNA: Stacking and Fluorescence of a Nonplanar Aromatic Base Surrogate in DNA. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8250-8253.	7.2	35
84	Total Synthesis of Proximicin A ^C and Synthesis of New Furan-Based DNA Binding Agents. <i>Organic Letters</i> , 2009, 11, 2804-2807.	2.4	35
85	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.	6.6	35
86	Nucleic acid constructs for the interrogation of multivalent protein interactions. <i>Chemical Society Reviews</i> , 2020, 49, 6848-6865.	18.7	35
87	Sequence fidelity of a template-directed PNA-ligation reaction PNA = peptide nucleic acid. <i>Chemical Communications</i> , 2001, , 2050-2051.	2.2	32
88	Native chemical ligation in the synthesis of internally modified oligonucleotide-peptide conjugates. <i>Biopolymers</i> , 2010, 94, 397-404.	1.2	32
89	Rapid Covalent Fluorescence Labeling of Membrane Proteins on Live Cells via Coiled-Coil Templated Acyl Transfer. <i>Bioconjugate Chemistry</i> , 2015, 26, 2106-2117.	1.8	31
90	Promoting strand exchange in a DNA-templated transfer reaction. <i>Chemical Communications</i> , 2013, 49, 618-620.	2.2	30

#	ARTICLE	IF	CITATIONS
91	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.	1.7	28
92	DNA and RNAâ€Controlled Switching of Protein Kinase Activity. <i>ChemBioChem</i> , 2009, 10, 758-765.	1.3	28
93	Conformational Analysis of Bivalent Estrogen Receptor Ligands: From Intramolecular to Intermolecular Binding. <i>ChemBioChem</i> , 2011, 12, 2587-2598.	1.3	28
94	A bright FIT-PNA hybridization probe for the hybridization state specific analysis of a C â† U RNA edit <i>via</i> FRET in a binary system. <i>Chemical Science</i> , 2018, 9, 4794-4800.	3.7	28
95	DNA-Triggered Dye Transfer on a Quantum Dot. <i>Bioconjugate Chemistry</i> , 2014, 25, 18-23.	1.8	27
96	Controlling the activity of peptides and proteins with smart nucleic acidâ€protein hybrids. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 3881.	1.5	26
97	The role of reactivity in DNA templated native chemical PNA ligation during PCR. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3458-3464.	1.4	26
98	Strand Displacement in Coiledâ€Coil Structures: Controlled Induction and Reversal of Proximity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14217-14221.	7.2	26
99	Exploring the Limits of Bivalency by DNAâ€Based Spatial Screening. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 907-911.	7.2	26
100	Selective flexible packaging pathways of the segmented genome of influenza A virus. <i>Nature Communications</i> , 2020, 11, 4355.	5.8	26
101	DNA-instructed acyl transfer reactions for the synthesis of bioactive peptides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 4993-4997.	1.0	24
102	Quantum Dot-PNA Conjugates for Target-Catalyzed RNA Detection. <i>Bioconjugate Chemistry</i> , 2018, 29, 1690-1702.	1.8	23
103	Ensemble hybridisation â€ a new method for exploring sequence dependent fluorescence of dyeâ€nucleic acid conjugates. <i>Chemical Communications</i> , 2004, , 2674-2675.	2.2	22
104	Cytotoxic peptideâ€PNA conjugates obtained by RNA-programmed peptidyl transfer with turnover. <i>Chemical Science</i> , 2014, 5, 2850-2854.	3.7	22
105	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.	1.5	22
106	Chemical Synthesis of Glycopeptides. , 2006, , 1-36.		21
107	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.	3.7	21
108	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.	7.2	21

#	ARTICLE	IF	CITATIONS
109	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.	1.7	21
110	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.	7.2	21
111	N ^α -O-Acyl shift in Fmoc-based synthesis of phosphopeptides. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1349.	1.5	20
112	Proteintemplat-vermittelter Acyltransfer: eine chemische Methode für die Markierung von Membranproteinen an lebenden Zellen. <i>Angewandte Chemie</i> , 2014, 126, 10402-10406.	1.6	20
113	Reducing Product Inhibition in Nucleic Acid-Templated Ligation Reactions: DNA-Templated Cycligation. <i>ChemBioChem</i> , 2013, 14, 2322-2328.	1.3	19
114	Forced intercalation as a tool in gene diagnostics and in studying DNA-protein interactions. <i>Pure and Applied Chemistry</i> , 2005, 77, 327-338.	0.9	18
115	Protease Probes that Enable Excimer Signaling upon Scission. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11955-11959.	7.2	18
116	Templated chemistry for bioorganic synthesis and chemical biology. <i>Journal of Peptide Science</i> , 2019, 25, e3198.	0.8	18
117	Rational Design of a DNA-Scaffolded High-Affinity Binder for Langerin. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21016-21022.	7.2	18
118	Double-Clicking Peptides onto Phosphorothioate Oligonucleotides: Combining Two Proapoptotic Agents in One Molecule. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10504-10509.	7.2	17
119	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.	1.8	17
120	Time-Resolved Tracking of Separately Internalized Neuropeptide Y ₂ Receptors by Two-Color Pulse-Chase. <i>ACS Chemical Biology</i> , 2018, 13, 618-627.	1.6	17
121	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.	7.2	15
122	Solid phase synthesis of protected peptide nucleic acids. <i>Tetrahedron Letters</i> , 1999, 40, 4161-4164.	0.7	15
123	DNA-gesteuerte reversible Schaltung der Konformation und der Bioaktivität eines Peptids. <i>Angewandte Chemie</i> , 2007, 119, 2759-2763.	1.6	15
124	O-Allyl protection in the Fmoc-based synthesis of difficult PNA. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2493.	1.5	15
125	High Affinity Fluorescent Ligands for the Estrogen Receptor. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2157-2166.	1.2	15
126	Quantitative mRNA Imaging with Dual Channel qFIT Probes to Monitor Distribution and Degree of Hybridization. <i>ACS Chemical Biology</i> , 2018, 13, 742-749.	1.6	15

#	ARTICLE	IF	CITATIONS
127	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.	1.3	15
128	A Remote Secondary Binding Pocket Promotes Heteromultivalent Targeting of DC-SIGN. <i>Journal of the American Chemical Society</i> , 2021, 143, 18977-18988.	6.6	15
129	Chemically Modified Antisense Oligonucleotides-Recent Improvements of RNA Binding and Ribonuclease H Recruitment. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3466-3469.	7.2	14
130	Maximizing Output in RNA-Programmed Peptidyl-Transfer Reactions. <i>ChemBioChem</i> , 2017, 18, 872-879.	1.3	14
131	Comparing Agent-Based Delivery of DNA and PNA Forced Intercalation (FIT) Probes for Multicolor mRNA Imaging. <i>ChemBioChem</i> , 2019, 20, 595-604.	1.3	14
132	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.	1.3	14
133	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.	1.0	12
134	Exploring monovalent and multivalent peptides for the inhibition of FBP21-tWW. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 701-706.	1.3	12
135	Native chemical ligation at a base-labile 4-mercaptobutyrate N \pm -auxiliary. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 1434-1437.	1.0	12
136	Ligand-binding and -scavenging of the chemerin receptor GPR1. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 6265-6281.	2.4	12
137	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.	3.7	12
138	Inducing the replacement of PNA in DNA-PNA duplexes by DNA. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 34-39.	1.4	11
139	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.	1.3	11
140	Chemo-biological mRNA imaging with single nucleotide specificity. <i>Chemical Communications</i> , 2019, 55, 14817-14820.	2.2	10
141	A traceless catch-and-release method for rapid peptide purification. <i>Journal of Peptide Science</i> , 2019, 25, e3136.	0.8	10
142	Chemical control of biomolecular interaction modules. <i>Pure and Applied Chemistry</i> , 2009, 81, 273-284.	0.9	9
143	Solid Phase Synthesis of Short Peptide-Based Multimetal Tags for Biomolecule Labeling. <i>Bioconjugate Chemistry</i> , 2014, 25, 1069-1077.	1.8	9
144	A Fluorescent RNA Forced Intercalation Probe as a Pan-Selective Marker for Influenza A Virus Infection. <i>ChemBioChem</i> , 2017, 18, 1589-1592.	1.3	9

#	ARTICLE	IF	CITATIONS
145	Strand Displacement in Coiled-Coil Structures: Controlled Induction and Reversal of Proximity. <i>Angewandte Chemie</i> , 2017, 129, 14405-14409.	1.6	9
146	Untersuchungen zu Grenzen der Bivalenz mit DNA-basierter räumlicher Rasterung. <i>Angewandte Chemie</i> , 2019, 131, 918-923.	1.6	9
147	Simultaneous Targeting of Two Master Regulators of Apoptosis with Dual-Action PNA and DNA-Peptide Conjugates. <i>Bioconjugate Chemistry</i> , 2020, 31, 1928-1937.	1.8	9
148	Direct coupling of annexin A5 to VSOP yields small, protein-covered nanoprobe for MR imaging of apoptosis. <i>Contrast Media and Molecular Imaging</i> , 2014, 9, 291-299.	0.4	8
149	Nucleic acids: new life, new materials. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2058.	1.5	7
150	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.	1.4	7
151	Nucleic acid modification for fluorescence-based technologies. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 17-18.	1.4	6
152	Immobilization methods for the rapid total chemical synthesis of proteins on microtiter plates. <i>Journal of Peptide Science</i> , 2017, 23, 539-548.	0.8	6
153	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.	0.7	6
154	Monitoring Dicer-Mediated miRNA-21 Maturation and Ago2 Loading by a Dual-Colour FIT PNA Probe Set. <i>ChemBioChem</i> , 2020, 21, 2527-2532.	1.3	6
155	A Self-Immolative Molecular Beacon for Amplified Nucleic Acid Detection**. <i>Chemistry - A European Journal</i> , 2021, 27, 14189-14194.	1.7	6
156	Direct Carbodiimide-Mediated Conjugation of Carboxylates Using Pyridinium-Toluenesulfonate and Tertiary Amines as Additives. <i>Synlett</i> , 2004, 2004, 2525-2528.	1.0	5
157	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.	0.3	5
158	PNA-sugar conjugates as tools for the spatial screening of carbohydrate-lectin interactions. <i>Pure and Applied Chemistry</i> , 2011, 84, 77-85.	0.9	5
159	Synthesis of Nucleic Acid-Peptide Conjugates Targeted to Proteins. <i>Israel Journal of Chemistry</i> , 2011, 51, 876-884.	1.0	5
160	Parallele chemische Proteinsynthese auf der Oberfläche zur schnellen Analyse der Phosphoregulierung von SH3-Domänen. <i>Angewandte Chemie</i> , 2016, 128, 7368-7373.	1.6	5
161	Expanding the scope of native chemical ligation - templated small molecule drug synthesis via benzanilide formation. <i>Chemical Science</i> , 2021, 12, 13450-13457.	3.7	5
162	FIT-Probes in Real-Time PCR. <i>Methods in Molecular Biology</i> , 2008, 429, 187-197.	0.4	5

#	ARTICLE	IF	CITATIONS
163	Orthogonal coiled coils enable rapid covalent labelling of two distinct membrane proteins with peptide nucleic acid barcodes. RSC Chemical Biology, 2021, 2, 1291-1295.	2.0	4
164	Toward conditional control of Smac mimetic activity by <scp>RNA-templated</scp> reduction of azidopeptides on <scp>PNA</scp> or 2'-OMe-RNA</scp>. Biopolymers, 2021, 112, e23466.	1.2	4
165	DNA-Templated Native Chemical Ligation of Functionalized Peptide Nucleic Acids: A Versatile Tool for Single Base-Specific Detection of Nucleic Acids. Methods in Molecular Biology, 2014, 1050, 131-141.	0.4	4
166	Orthogonal Peptide-Templated Labeling Elucidates Lateral ET _A /ET _B Proximity and Reveals Altered Downstream Signaling. ChemBioChem, 2022, 23, .	1.3	4
167	Synthesis of a triply phosphorylated pentapeptide from human I _κ B _β -protein. Bioorganic and Medicinal Chemistry, 2000, 8, 2433-2439.	1.4	3
168	Glycopeptides and Glycoproteins: Synthetic Chemistry and Biology. , 2005, , 169-214.		3
169	DNA Made of Purines Only. Chemistry and Biology, 2007, 14, 467-469.	6.2	3
170	Rational Design of a DNA-Scaffolded High-Affinity Binder for Langerin. Angewandte Chemie, 2020, 132, 21202-21208.	1.6	3
171	RNA-templated chemical synthesis of proapoptotic L- and d-peptides. Bioorganic and Medicinal Chemistry, 2022, 66, 116786.	1.4	3
172	DNA-Templated Reactions with High Catalytic Efficiency Achieved by a Loss-of-Affinity Principle. Journal of the American Chemical Society, 2022, 144, 10700-10704.	6.6	3
173	New aspects in fragmentation of peptide nucleic acids: comparison of positive and negative ions by electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 1132-1138.	0.7	2
174	Potential of Proapoptotic Peptides to Induce the Formation of Giant Plasma Membrane Vesicles with Lipid Domains. ChemBioChem, 2015, 16, 1288-1292.	1.3	2
175	Ein zur Basenkatalyse befähigtes Ligationsauxiliar ermöglicht die cysteinfreie native chemische Ligation an anspruchsvollen Verknüpfungsstellen. Angewandte Chemie, 2021, 133, 19633-19640.	1.6	2
176	Sequence-Specific Imaging of Influenza A mRNA in Living Infected Cells Using Fluorescent FITC-PNA. Methods in Molecular Biology, 2013, 1039, 291-301.	0.4	2
177	Fluorescence Imaging of Influenza Virus H1N1 mRNA in Living Infected Cells using Single Chromophore FIT-PNA. Biophysical Journal, 2011, 100, 182a-183a.	0.2	1
178	Reactive Quantum Dot-Based FRET Systems for Target-Catalyzed Detection of RNA. Methods in Molecular Biology, 2020, 2105, 187-198.	0.4	1
179	Recognizing and Controlling Biomolecules with "Smart" Hybridization-based Switches. Nucleic Acids Symposium Series, 2008, 52, 29-30.	0.3	0
180	Evolution of synthetic polymers. Artificial DNA, PNA & XNA, 2010, 1, 61-63.	1.4	0

#	ARTICLE	IF	CITATIONS
181	Conjugation of DNA with Biomolecules and Nanoparticles. , 2015, , 247-327.		0
182	Molecular Beaconâ€™Type RNA Imaging. Series in Cellular and Clinical Imaging, 2015, , 167-198.	0.2	0
183	Synthesis of Bipartite Tetracysteine PNA Probes for DNA In Situ Fluorescent Labeling. Current Protocols in Nucleic Acid Chemistry, 2017, 71, 4.78.1-4.78.14.	0.5	0
184	In Vivo Visualization and Function Probing of Transport mRNPs Using Injected FIT Probes. Methods in Molecular Biology, 2018, 1649, 273-287.	0.4	0
185	Glycopeptides and Glycoproteins: Synthetic Chemistry and Biology. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2003, , 21-33.	0.1	0