

# Michael Famulok

## List of Publications by Year in descending order

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154  
papers

10,353  
citations

26630

56  
h-index

36028

97  
g-index

179  
all docs

179  
docs citations

179  
times ranked

7293  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin Labeling of Long RNAs Via Click Reaction and Enzymatic Ligation. <i>Methods in Molecular Biology</i> , 2022, 2439, 205-221.	0.9	1
2	A SARS-CoV-2 Spike Binding DNA Aptamer that Inhibits Pseudovirus Infection by an RBD-Independent Mechanism**. <i>Angewandte Chemie</i> , 2021, 133, 10367-10373.	2.0	16
3	A SARS-CoV-2 Spike Binding DNA Aptamer that Inhibits Pseudovirus Infection by an RBD-Independent Mechanism**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10279-10285.	13.8	106
4	A Self-Regulating DNA Rotaxane Linear Actuator Driven by Chemical Energy. <i>Journal of the American Chemical Society</i> , 2021, 143, 13292-13298.	13.7	11
5	Molecular Architecture of a Network of Potential Intracellular EGFR Modulators: ARNO, CaM, Phospholipids, and the Juxtamembrane Segment. <i>Structure</i> , 2020, 28, 54-62.e5.	3.3	7
6	Interlocked DNA Nanojoints for Reversible Thermal Sensing. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12455-12459.	13.8	15
7	Interlocked DNA Nanojoints for Reversible Thermal Sensing. <i>Angewandte Chemie</i> , 2020, 132, 12555-12559.	2.0	2
8	Regeneration of Burnt Bridges on a DNA Catenane Walker. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16366-16370.	13.8	37
9	Regeneration of Burnt Bridges on a DNA Catenane Walker. <i>Angewandte Chemie</i> , 2020, 132, 16508-16512.	2.0	6
10	ADAPT identifies an ESCRT complex composition that discriminates VCaP from LNCaP prostate cancer cell exosomes. <i>Nucleic Acids Research</i> , 2020, 48, 4013-4027.	14.5	15
11	Design, assembly, characterization, and operation of double-stranded interlocked DNA nanostructures. <i>Nature Protocols</i> , 2019, 14, 2818-2855.	12.0	18
12	Orthogonally Photocontrolled Non-Autonomous DNA Walker. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6948-6951.	13.8	66
13	Orthogonally Photocontrolled Non-Autonomous DNA Walker. <i>Angewandte Chemie</i> , 2019, 131, 7022-7025.	2.0	18
14	Translocation of a Cell Surface Spliceosomal Complex Induces Alternative Splicing Events and Lymphoma Cell Necrosis. <i>Cell Chemical Biology</i> , 2019, 26, 756-764.e6.	5.2	5
15	A bio-hybrid DNA rotor-stator nanoengine that moves along predefined tracks. <i>Nature Nanotechnology</i> , 2018, 13, 496-503.	31.5	100
16	Poly-ligand profiling differentiates trastuzumab-treated breast cancer patients according to their outcomes. <i>Nature Communications</i> , 2018, 9, 1219.	12.8	20
17	Supramolecular aptamer nano-constructs for receptor-mediated targeting and light-triggered release of chemotherapeutics into cancer cells. <i>Nature Communications</i> , 2018, 9, 535.	12.8	61
18	High-Yield Spin Labeling of Long RNAs for Electron Paramagnetic Resonance Spectroscopy. <i>Biochemistry</i> , 2018, 57, 2923-2931.	2.5	22

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19	Expanding the Toolbox of Photoswitches for DNA Nanotechnology Using Arylazopyrazoles. Chemistry - A European Journal, 2018, 24, 1062-1066.	3.3	30
20	Temporal and Reversible Control of a DNAzyme by Orthogonal Photoswitching. Journal of the American Chemical Society, 2018, 140, 16868-16872.	13.7	48
21	Plasma Exosome Profiling of Cancer Patients by a Next Generation Systems Biology Approach. Scientific Reports, 2017, 7, 42741.	3.3	38
22	Interlocked DNA topologies for nanotechnology. Current Opinion in Biotechnology, 2017, 48, 159-167.	6.6	23
23	Studying the Conformation of a Receptor Tyrosine Kinase in Solution by Inhibitor-Based Spin Labeling. Angewandte Chemie - International Edition, 2017, 56, 8417-8421.	13.8	21
24	Studying the Conformation of a Receptor Tyrosine Kinase in Solution by Inhibitor-Based Spin Labeling. Angewandte Chemie, 2017, 129, 8537-8541.	2.0	4
25	Allosteric Control of Oxidative Catalysis by a DNA Rotaxane Nanostructure. Journal of the American Chemical Society, 2017, 139, 16044-16047.	13.7	35
26	Daisy Chain Rotaxanes Made from Interlocked DNA Nanostructures. Angewandte Chemie - International Edition, 2016, 55, 5512-5516.	13.8	31
27	Post-synthetic Spin Labeling of RNA through Click Chemistry for PELDOR Measurements. Chemistry - A European Journal, 2016, 22, 12113-12121.	3.3	38
28	Daisy Chain Rotaxanes Made from Interlocked DNA Nanostructures. Angewandte Chemie, 2016, 128, 5602-5606.	2.0	8
29	Single-Stranded Tile Stoppers for Interlocked DNA Architectures. ChemBioChem, 2016, 17, 1146-1149.	2.6	9
30	Adaptive dynamic artificial poly-ligand targeting (ADAPT) of the plasma exosome proteome: A highly multiplexed non-invasive diagnostic discovery platform.. Journal of Clinical Oncology, 2016, 34, e23058-e23058.	1.6	0
31	Inhibition of Cytohesins Protects against Genetic Models of Motor Neuron Disease. Journal of Neuroscience, 2015, 35, 9088-9105.	3.6	20
32	In Vitro Activity of wALADin Benzimidazoles against Different Life Cycle Stages of Plasmodium Parasites. Antimicrobial Agents and Chemotherapy, 2015, 59, 654-658.	3.2	5
33	Switchable Reconfiguration of a Seven-Ring Interlocked DNA Catenane Nanostructure. Nano Letters, 2015, 15, 7133-7137.	9.1	45
34	Switchable Reconfiguration of an Interlocked DNA Olympiadane Nanostructure. Angewandte Chemie - International Edition, 2014, 53, 7499-7503.	13.8	59
35	Logic Gating by Macrocyclic Displacement Using a Double-Stranded DNA [3]Rotaxane Shuttle. Angewandte Chemie - International Edition, 2014, 53, 10372-10376.	13.8	45
36	Interlocked DNA nanostructures controlled by a reversible logic circuit. Nature Communications, 2014, 5, 4940.	12.8	82

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37	A novel family of structurally stable double stranded DNA catenanes. <i>Chemical Communications</i> , 2014, 50, 6091-6093.	4.1	35
38	Aptamers and SELEX in Chemistry & Biology. <i>Chemistry and Biology</i> , 2014, 21, 1055-1058.	6.0	90
39	Mechanically Interlocked DNA nanostructures for Functional Devices. <i>Accounts of Chemical Research</i> , 2014, 47, 1700-1709.	15.6	61
40	Cyclepeptides Are Covalent Inhibitors of the Pleckstrin Homology Domain of Cytohesin. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9529-9533.	13.8	8
41	A Selective Inhibitor of Heme Biosynthesis in Endosymbiotic Bacteria Elicits Antifilarial Activity In Vitro. <i>Chemistry and Biology</i> , 2013, 20, 177-187.	6.0	24
42	RNA-aptamers that modulate the RhoGEF activity of Tiam1. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6239-6246.	3.0	7
43	I-Motif-Programmed Functionalization of DNA Nanocircles. <i>Journal of the American Chemical Society</i> , 2013, 135, 1593-1599.	13.7	136
44	Pseudo-complementary PNA actuators as reversible switches in dynamic DNA nanotechnology. <i>Nucleic Acids Research</i> , 2013, 41, 4729-4739.	14.5	41
45	A trifluoromethylphenyl diazirine-based SecinH3 photoaffinity probe. <i>Chemical Communications</i> , 2012, 48, 1272-1274.	4.1	16
46	Input-Dependent Induction of Oligonucleotide Structural Motifs for Performing Molecular Logic. <i>Journal of the American Chemical Society</i> , 2012, 134, 3508-3516.	13.7	85
47	Reversible Light Switch for Macrocyclic Mobility in a DNA Rotaxane. <i>Journal of the American Chemical Society</i> , 2012, 134, 11884-11887.	13.7	121
48	Anti-Proliferative Effect of Cytohesin Inhibition in Gefitinib-Resistant Lung Cancer Cells. <i>PLoS ONE</i> , 2012, 7, e411179.	2.5	29
49	Design Strategy for DNA Rotaxanes with a Mechanically Reinforced PX100 Axle. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6771-6775.	13.8	48
50	Aptamer-Based Affinity Labeling of Proteins. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9176-9180.	13.8	70
51	Pan-Selective Aptamers for the Family of Small GTPases. <i>ChemBioChem</i> , 2012, 13, 1433-1437.	2.6	5
52	Label-free impedimetric aptasensor for lysozyme detection based on carbon nanotube-modified screen-printed electrodes. <i>Analytical Biochemistry</i> , 2012, 421, 454-459.	2.4	114
53	A luminescent oxygen channeling biosensor that measures small GTPase activation. <i>Chemical Communications</i> , 2011, 47, 7521.	4.1	2
54	A Homogeneous Fluorescence Resonance Energy Transfer System for Monitoring the Activation of a Protein Switch in Real Time. <i>Journal of the American Chemical Society</i> , 2011, 133, 8372-8379.	13.7	28

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55	Nucleic acid based tools for pharmacology and nano-engineering. <i>Comptes Rendus Chimie</i> , 2011, 14, 819-825.	0.5	4
56	Aptamer Modules as Sensors and Detectors. <i>Accounts of Chemical Research</i> , 2011, 44, 1349-1358.	15.6	267
57	Aptamers for allosteric regulation. <i>Nature Chemical Biology</i> , 2011, 7, 519-527.	8.0	162
58	ADLOC: An Aptamer-Displacement Assay Based on Luminescent Oxygen Channeling. <i>Chemistry - A European Journal</i> , 2010, 16, 11100-11107.	3.3	15
59	An Aptamer Targeting the Apical-Loop Domain Modulates pri-miRNA Processing. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4674-4677.	13.8	49
60	Inspired by DNA. <i>Nature Nanotechnology</i> , 2010, 5, 634-635.	31.5	10
61	A double-stranded DNA rotaxane. <i>Nature Nanotechnology</i> , 2010, 5, 436-442.	31.5	145
62	Fluorescence-activated cell sorting for aptamer SELEX with cell mixtures. <i>Nature Protocols</i> , 2010, 5, 1993-2004.	12.0	192
63	Targeting Multifunctional Proteins by Virtual Screening: Structurally Diverse Cytohesin Inhibitors with Differentiated Biological Functions. <i>ACS Chemical Biology</i> , 2010, 5, 839-849.	3.4	34
64	Assembly of dsDNA nanocircles into dimeric and oligomeric aggregates. <i>Chemical Communications</i> , 2010, 46, 4154.	4.1	19
65	Electrochemical Sensing of Aptamer-Protein Interactions Using a Magnetic Particle Assay and Single-Use Sensor Technology. <i>Electroanalysis</i> , 2009, 21, 1278-1284.	2.9	36
66	Exploring Chemical Space with Aptamers. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 6951-6957.	6.4	18
67	Ribosom, Telomerase und Lichtleitung. <i>Nachrichten Aus Der Chemie</i> , 2009, 57, 1075-1078.	0.0	0
68	In Vitro Selection of Conformational Probes for Riboswitches. <i>Methods in Molecular Biology</i> , 2009, 540, 291-300.	0.9	7
69	Kinetic Binding Analysis of Aptamers Targeting HIV-1 Proteins by a Combination of a Microbalance Array and Mass Spectrometry (MAMS). <i>Journal of Proteome Research</i> , 2009, 8, 3568-3577.	3.7	22
70	Screening of Novel Inhibitors of HIV-1 Reverse Transcriptase with a Reporter Ribozyme Assay. <i>Methods in Molecular Biology</i> , 2009, 535, 187-199.	0.9	4
71	Functional Nucleic Acid Sensors as Screening Tools. , 2009, , 343-354.		0
72	DNA Minicircles with Gaps for Versatile Functionalization. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 967-970.	13.8	45

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73	Construction of DNA Architectures with RNA Hairpins. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 971-973.	13.8	28
74	Enrichment of Cell-Targeting and Population-Specific Aptamers by Fluorescence-Activated Cell Sorting. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5190-5193.	13.8	160
75	Affinity-Based Labeling of Cytohesins with a Bifunctional SecinH3 Photoaffinity Probe. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9565-9568.	13.8	23
76	Cover Picture: DNA Minicircles with Gaps for Versatile Functionalization / Construction of DNA Architectures with RNA Hairpins ( <i>Angew. Chem. Int. Ed.</i> 5/2008). <i>Angewandte Chemie - International Edition</i> , 2008, 47, 803-803.	13.8	0
77	Displacement of protein-bound aptamers with small molecules screened by fluorescence polarization. <i>Nature Protocols</i> , 2008, 3, 579-587.	12.0	74
78	Photocleavable Initiator Nucleotide Substrates for an Aldolase Ribozyme. <i>Journal of Organic Chemistry</i> , 2008, 73, 5069-5077.	3.2	24
79	Building objects from nucleic acids for a nanometer world. <i>Biochimie</i> , 2008, 90, 1096-1107.	2.6	35
80	Secondary structures and functional requirements for thiM riboswitches from <i>Desulfovibrio vulgaris</i> , <i>Erwinia carotovora</i> and <i>Rhodobacter sphaeroides</i> . <i>Biological Chemistry</i> , 2008, 389, 127-134.	2.5	15
81	Screening of Molecular Interactions Using Reporter Hammerhead Ribozymes. <i>Methods in Molecular Biology</i> , 2008, 429, 251-263.	0.9	4
82	Modular Reporter Hairpin Ribozymes for Analyzing Molecular Interactions. <i>Methods in Molecular Biology</i> , 2008, 429, 237-250.	0.9	2
83	Anti-innexin 2 aptamers specifically inhibit the heterologous interaction of the innexin 2 and innexin 3 carboxyl-termini in vitro. <i>Biological Chemistry</i> , 2007, 388, 561-8.	2.5	7
84	Functional Nucleic Acids in High Throughput Screening and Drug Discovery. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2007, 10, 698-705.	1.1	13
85	Conformational changes in the expression domain of the <i>Escherichia coli</i> thiM riboswitch. <i>Nucleic Acids Research</i> , 2007, 35, 3713-3722.	14.5	67
86	Functional Aptamers and Aptazymes in Biotechnology, Diagnostics, and Therapy. <i>Chemical Reviews</i> , 2007, 107, 3715-3743.	47.7	820
87	DNA aptamer-mediated regulation of the hairpin ribozyme by human $\alpha$ -thrombin. <i>Blood Cells, Molecules, and Diseases</i> , 2007, 38, 19-24.	1.4	21
88	RNA Ligands That Distinguish Metabolite-Induced Conformations in the TPP Riboswitch. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 557-560.	13.8	54
89	Polyamide Struts for DNA Architectures. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4382-4384.	13.8	38
90	Aptamer Displacement Identifies Alternative Small-Molecule Target Sites that Escape Viral Resistance. <i>Chemistry and Biology</i> , 2007, 14, 804-812.	6.0	49

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91	Ignore the nonsense. <i>Nature</i> , 2007, 447, 42-43.	27.8	21
92	Intramers for Protein Function Analysis and Drug Discovery. , 2006, , 280-289.		1
93	Discrimination of Single Mutations in Cancer-Related Gene Fragments with a Surface Acoustic Wave Sensor. <i>Analytical Chemistry</i> , 2006, 78, 4865-4871.	6.5	67
94	Aptamers in nanoland. <i>Nature</i> , 2006, 439, 667-669.	27.8	50
95	Structure of an RNA polymerase II-RNA inhibitor complex elucidates transcription regulation by noncoding RNAs. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 44-48.	8.2	64
96	Inhibition of cytohesins by SecinH3 leads to hepatic insulin resistance. <i>Nature</i> , 2006, 444, 941-944.	27.8	225
97	High-Throughput-Compatible Assay for glmS Riboswitch Metabolite Dependence. <i>ChemBioChem</i> , 2006, 7, 602-604.	2.6	62
98	RNA aptamers selectively modulate protein recruitment to the cytoplasmic domain of $\beta$ -secretase BACE1 in vitro. <i>Rna</i> , 2006, 12, 1650-1660.	3.5	51
99	A Ribozyme for the Aldol Reaction. <i>Chemistry and Biology</i> , 2005, 12, 941-950.	6.0	124
100	Intramers and Aptamers: Applications in Protein-Function Analyses and Potential for Drug Screening. <i>ChemBioChem</i> , 2005, 6, 19-26.	2.6	59
101	Competitive regulation of modular allosteric aptazymes by a small molecule and oligonucleotide effector. <i>Rna</i> , 2005, 11, 1514-1520.	3.5	27
102	A Versatile Toolbox for Variable DNA Functionalization at High Density. <i>Journal of the American Chemical Society</i> , 2005, 127, 15071-15082.	13.7	285
103	Allosteric aptamers and aptazymes as probes for screening approaches. <i>Current Opinion in Molecular Therapeutics</i> , 2005, 7, 137-43.	2.8	15
104	Sensing complex regulatory networks by conformationally controlled hairpin ribozymes. <i>Nucleic Acids Research</i> , 2004, 32, 3212-3219.	14.5	27
105	Discriminatory aptamer reveals serum response element transcription regulated by cytohesin-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11221-11226.	7.1	66
106	Green fluorescent RNA. <i>Nature</i> , 2004, 430, 976-977.	27.8	19
107	Generation and Enzymatic Amplification of High-Density Functionalized DNA Double Strands. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3337-3340.	13.8	96
108	A Love-wave biosensor using nucleic acids as ligands. <i>Sensors and Actuators B: Chemical</i> , 2004, 101, 308-315.	7.8	158

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109	Sequence-Specific Detection of MicroRNAs by Signal-Amplifying Ribozymes. <i>Journal of the American Chemical Society</i> , 2004, 126, 722-723.	13.7	169
110	MOLECULAR BIOLOGY: RNAs Turn On in Tandem. <i>Science</i> , 2004, 306, 233-234.	12.6	8
111	Functional Tuning of Nucleic Acids by Chemical Modifications: Tailored Oligonucleotides as Drugs, Devices, and Diagnostics. <i>ChemInform</i> , 2003, 34, no.	0.0	0
112	A Novel Class of Small Functional Peptides that Bind and Inhibit Human $\alpha$ -Thrombin Isolated by mRNA Display. <i>Chemistry and Biology</i> , 2003, 10, 69-79.	6.0	33
113	A ribozyme with michaelase activity. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 235-249.	3.0	58
114	Functional tuning of nucleic acids by chemical modifications: Tailored oligonucleotides as drugs, devices, and diagnostics. <i>Chemical Record</i> , 2003, 3, 51-60.	5.8	40
115	Aptamers That Recognize the Lipid Moiety of the Antibiotic Moenomycin A. <i>Biological Chemistry</i> , 2003, 384, 1497-500.	2.5	16
116	A Y2 Receptor Mimetic Aptamer Directed against Neuropeptide Y. <i>Journal of Biological Chemistry</i> , 2002, 277, 11416-11422.	3.4	34
117	In vivo-applied functional RNAs as tools in proteomics and genomics research. <i>Trends in Biotechnology</i> , 2002, 20, 462-466.	9.3	62
118	Reporter-Ribozyme zur Echtzeit-Analyse domÄnenspezifischer Interaktionen in BiomolekÄlen: reverse Transkriptase von HIV-1 und der Primer-Templatkomplex. <i>Angewandte Chemie</i> , 2002, 114, 4440-4444.	2.0	10
119	Reporter Ribozymes for Real-Time Analysis of Domain-Specific Interactions in Biomolecules: HIV-1 Reverse Transcriptase and the Primer-Template Complex. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4263-4266.	13.8	36
120	Prion-Protein-Specific Aptamer Reduces PrPSc Formation. <i>ChemBioChem</i> , 2002, 3, 717.	2.6	141
121	Bringing picomolar protein detection into proximity. <i>Nature Biotechnology</i> , 2002, 20, 448-449.	17.5	14
122	Protein-dependent ribozymes report molecular interactions in real time. <i>Nature Biotechnology</i> , 2002, 20, 717-722.	17.5	154
123	In vitro selection of allosteric ribozymes: theory and experimental validation <sup>11</sup> Edited by R. Huber. <i>Journal of Molecular Biology</i> , 2001, 312, 1177-1190.	4.2	49
124	Aptamers that bind to the antibiotic moenomycin A. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 2557-2563.	3.0	54
125	Novel RNA catalysts for the Michael reaction. <i>Chemistry and Biology</i> , 2001, 8, 459-473.	6.0	101
126	Intramers as promising new tools in functional proteomics. <i>Chemistry and Biology</i> , 2001, 8, 931-939.	6.0	97



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127	An Allosteric Ribozyme Regulated by Doxycycline This work was supported by Aventis Gencell and by a grant from the Volkswagen Foundation (Priority program "conformational control") to M.F. We thank M. Blind, G. Mayer, D. Proske, and G. Sengle (Universität Bonn) for helpful discussions as well as J. Crouzet, J. F. Mayaux, and M. Finer (Aventis Gencell) for support.. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3990.	13.8	10
128	Functionalized DNA: A New Replicable Biopolymer We thank Dr. Andreas Marx, University of Bonn, for helpful advice and discussions. This work was supported by the Fonds der Chemischen Industrie, the Karl-Ziegler Stiftung, and the Deutsche Forschungsgemeinschaft.. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3990.	13.8	100
129	Rapid identification and characterization of hammerhead-ribozyme inhibitors using fluorescence-based technology. <i>Nature Biotechnology</i> , 2001, 19, 56-61.	17.5	70
130	An Allosteric Ribozyme Regulated by Doxycycline. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 4369-4373.	13.8	45
131	Biopolymers Chemical and biological approaches for understanding form and function Editorial Overview. <i>Current Opinion in Chemical Biology</i> , 2000, 4, 599-601.	6.1	6
132	Synthesis, incorporation efficiency, and stability of disulfide bridged functional groups at RNA 5'-ends. <i>Bioorganic and Medicinal Chemistry</i> , 2000, 8, 1317-1329.	3.0	52
133	Nucleic Acid Aptamers From Selection in Vitro to Applications in Vivo. <i>Accounts of Chemical Research</i> , 2000, 33, 591-599.	15.6	421
134	Oligonucleotide aptamers that recognize small molecules. <i>Current Opinion in Structural Biology</i> , 1999, 9, 324-329.	5.7	225
135	Real-Time Characterization of Ribozymes by Fluorescence Resonance Energy Transfer (FRET). <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1300-1303.	13.8	35
136	Catalysis Based on Nucleic Acid Structures. <i>Topics in Current Chemistry</i> , 1999, , 101-131.	4.0	17
137	In vitro selection of RNA aptamers that bind special elongation factor SelB, a protein with multiple RNA-binding sites, reveals one major interaction domain at the carboxyl terminus. <i>Rna</i> , 1999, 5, 1180-1190.	3.5	31
138	A novel ribozyme with ester transferase activity. <i>Chemistry and Biology</i> , 1998, 5, 23-34.	6.0	86
139	Oligonucleotide libraries - variatio delectat. <i>Current Opinion in Chemical Biology</i> , 1998, 2, 320-327.	6.1	71
140	Characterization and divalent metal-ion dependence of in vitro selected deoxyribozymes which cleave DNA/RNA chimeric oligonucleotides. <i>Journal of Molecular Biology</i> , 1997, 269, 188-202.	4.2	121
141	Selective Targeting and Inhibition of Yeast RNA Polymerase II by RNA Aptamers. <i>Journal of Biological Chemistry</i> , 1997, 272, 27980-27986.	3.4	74
142	In vitro selection of a viomycin-binding RNA pseudoknot. <i>Chemistry and Biology</i> , 1997, 4, 357-366.	6.0	47
143	In Vitro Selection Analysis of Neomycin Binding RNAs with a Mutagenized Pool of Variants of the 16S rRNA Decoding Region. <i>Biochemistry</i> , 1996, 35, 4265-4270.	2.5	78
144	RNA aptamers that bind L-arginine with sub-micromolar dissociation constants and high enantioselectivity. <i>Nucleic Acids Research</i> , 1996, 24, 1029-1036.	14.5	327

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145	The Ca <sup>2+</sup> Ion as a Cofactor for a Novel RNA-Cleaving Deoxyribozyme. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 2837-2841.	4.4	176
146	Structural characterization of a flavin-specific RNA aptamer by chemical probing. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 1157-1162.	2.2	22
147	Synthetic Ribozymes and the First Deoxyribozyme. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1189-1192.	4.4	32
148	A novel RNA motif for neomycin recognition. <i>Chemistry and Biology</i> , 1995, 2, 543-552.	6.0	172
149	Structural probing and damage selection of citrulline and arginine-specific RNA aptamers identify base positions required for binding. <i>Nucleic Acids Research</i> , 1995, 23, 4769-4776.	14.5	81
150	All you wanted to know about SELEX. <i>Molecular Biology Reports</i> , 1994, 20, 97-107.	2.3	248
151	Isolation of RNA Aptamers for Biological Cofactors by In Vitro Selection. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 1084-1087.	4.4	199
152	Molecular Recognition of Amino Acids by RNA-Aptamers: An L-Citrulline Binding RNA Motif and Its Evolution into an L-Arginine Binder. <i>Journal of the American Chemical Society</i> , 1994, 116, 1698-1706.	13.7	269
153	In Vitro Selection of Specific Ligand-binding Nucleic Acids. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 979-988.	4.4	81
154	In vitro-Selektion spezifisch ligandenbindender Nucleinsäuren. <i>Angewandte Chemie</i> , 1992, 104, 1001-1011.	2.0	29