

Francois Morvan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153
papers

3,325
citations

30
h-index

49
g-index

173
ext. papers

3,544
ext. citations

5.6
avg, IF

4.6
L-index

#	Paper	IF	Citations
153	Magnetic Field-Enhanced Agglutination Readout Combined With Isothermal Reverse Transcription Recombinase Polymerase Amplification for Rapid and Sensitive Molecular Detection of Dengue Virus.. <i>Frontiers in Chemistry</i> , 2021 , 9, 817246	5	
152	Diagnostic Performance of a Magnetic Field-Enhanced Agglutination Readout in Detecting Either Viral Genomes or Host Antibodies in Arbovirus Infection. <i>Microorganisms</i> , 2021 , 9,	4.9	1
151	Folding of phosphodiester-linked donor-acceptor oligomers into supramolecular nanotubes in water. <i>Chemical Communications</i> , 2021 , 57, 4130-4133	5.8	3
150	Design, Synthesis and Characterization of Cyclic NU172 Analogues: A Biophysical and Biological Insight. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
149	Fine-tuning the properties of the thrombin binding aptamer through cyclization: Effect of the 5'-3' connecting linker on the aptamer stability and anticoagulant activity. <i>Bioorganic Chemistry</i> , 2020 , 94, 103379	5.1	12
148	Rapid and specific DNA detection by magnetic field-enhanced agglutination assay. <i>Talanta</i> , 2020 , 219, 121344	6.2	3
147	Modified Galacto- or Fuco-Clusters Exploiting the Siderophore Pathway to Inhibit the LecA- or LecB-Associated Virulence of <i>Pseudomonas aeruginosa</i> . <i>ChemBioChem</i> , 2020 , 21, 3433-3448	3.8	0
146	Stability Is Not Everything: The Case of the Cyclisation of a Thrombin-Binding Aptamer. <i>ChemBioChem</i> , 2019 , 20, 1789-1794	3.8	9
145	Thermolytic Reagents to Synthesize 5?- or 3?-Mono(thio)phosphate Oligodeoxynucleotides or 3?-modified oligodeoxynucleotides. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 2832-2842	3.2	1
144	Deciphering multivalent glycocluster-lectin interactions through AFM characterization of the self-assembled nanostructures. <i>Soft Matter</i> , 2019 , 15, 7211-7218	3.6	0
143	Solid Supports for the Synthesis of 3'-Aminoxy Deoxy- or Ribo-oligonucleotides and Their 3'-Conjugation by Oxime Ligation. <i>Journal of Organic Chemistry</i> , 2019 , 84, 14854-14860	4.2	3
142	An Innovative Multiplexed and Flexible Molecular Approach for the Differential Detection of Arboviruses. <i>Journal of Molecular Diagnostics</i> , 2019 , 21, 81-88	5.1	3
141	The anti-adhesive effect of glycoclusters on <i>Pseudomonas aeruginosa</i> bacteria adhesion to epithelial cells studied by AFM single cell force spectroscopy. <i>Nanoscale</i> , 2018 , 10, 12771-12778	7.7	17
140	Screening of a Library of Oligosaccharides Targeting Lectin LecB of and Synthesis of High Affinity Oligoglycoclusters. <i>Molecules</i> , 2018 , 23,	4.8	6
139	Design and Synthesis of Galactosylated Bifurcated Ligands with Nanomolar Affinity for Lectin LecA from <i>Pseudomonas aeruginosa</i> . <i>ChemBioChem</i> , 2017 , 18, 1036-1047	3.8	17
138	Improved Performance of DNA Microarray Multiplex Hybridization Using Probes Anchored at Several Points by Thiol-Ene or Thiol-Yne Coupling Chemistry. <i>Bioconjugate Chemistry</i> , 2017 , 28, 496-506	6.3	17
137	PhthalimideOxy Derivatives for 3?- or 5?-Conjugation of Oligonucleotides by Oxime Ligation and Circularization of DNA by Bis- or Tris-ClickOxime Ligation. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 6931-6941	3.2	2

136	Fluorescent Thrombin Binding Aptamer-Tagged Nanoparticles for an Efficient and Reversible Control of Thrombin Activity. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35574-35587	9.5	28
135	Glycoclusters with Additional Functionalities for Binding to the LecA Lectin from <i>Pseudomonas aeruginosa</i> . <i>ChemistrySelect</i> , 2017 , 2, 10420-10427	1.8	5
134	Toward the Rational Design of Galactosylated Glycoclusters That Target <i>Pseudomonas aeruginosa</i> Lectin A (LecA): Influence of Linker Arms That Lead to Low-Nanomolar Multivalent Ligands. <i>Chemistry - A European Journal</i> , 2016 , 22, 11785-94	4.8	23
133	Mannose-centered aromatic galactoclusters inhibit the biofilm formation of <i>Pseudomonas aeruginosa</i> . <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 8433-44	3.9	32
132	Hetero-Click Conjugation of Oligonucleotides with Glycosides Using Bifunctional Phosphoramidites. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 2921-2927	3.2	13
131	Importance of topology for glycocluster binding to <i>Pseudomonas aeruginosa</i> and <i>Burkholderia ambifaria</i> bacterial lectins. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 11244-54	3.9	16
130	Assessment of the Full Compatibility of Copper(I)-Catalyzed Alkyne-Azide Cycloaddition and Oxime Click Reactions for bis-Labeling of Oligonucleotides. <i>ChemistryOpen</i> , 2015 , 4, 169-73	2.3	2
129	Effects of the Surface Densities of Glycoclusters on the Determination of Their IC50 and Kd Value Determination by Using a Microarray. <i>ChemBioChem</i> , 2015 , 16, 2329-36	3.8	10
128	DNA directed immobilization glycocluster array: applications and perspectives. <i>Current Opinion in Chemical Biology</i> , 2014 , 18, 46-54	9.7	15
127	Structure binding relationship of galactosylated Glycoclusters toward <i>Pseudomonas aeruginosa</i> lectin LecA using a DNA-based carbohydrate microarray. <i>Bioconjugate Chemistry</i> , 2014 , 25, 379-92	6.3	33
126	Synthesis of Galactoclusters by Metal-Free Thiol Click Chemistry and Their Binding Affinities for <i>Pseudomonas aeruginosa</i> Lectin LecA. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 7621-7630	3.2	16
125	The influence of the aromatic aglycon of galactoclusters on the binding of LecA: a case study with O-phenyl, S-phenyl, O-benzyl, S-benzyl, O-biphenyl and O-naphthyl aglycons. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 9166-79	3.9	24
124	Innovative Chemistry for Synthesis of Regular RNA, 5'-Triphosphate RNA, or 5'-Capped RNA 2014 , 563-589		
123	Fluorescence enhancement upon G-quadruplex folding: synthesis, structure, and biophysical characterization of a dansyl/cyclodextrin-tagged thrombin binding aptamer. <i>Bioconjugate Chemistry</i> , 2013 , 24, 1917-27	6.3	33
122	Development of innovative and versatile polythiol probes for use on ELOSA or electrochemical biosensors: application in hepatitis C virus genotyping. <i>Analytical Chemistry</i> , 2013 , 85, 9204-12	7.8	15
121	Synthesis of branched-phosphodiester and mannose-centered fucosylated glycoclusters and their binding studies with <i>Burkholderia ambifaria</i> lectin (BamBL). <i>RSC Advances</i> , 2013 , 3, 19515	3.7	18
120	Glycoclusters on oligonucleotide and PNA scaffolds: synthesis and applications. <i>Chemical Society Reviews</i> , 2013 , 42, 4557-73	58.5	55
119	Synthesis of Monoconjugated and Multiply Conjugated Oligonucleotides by Click Thiol Thiol-Michael-Type Additions and by Combination with CuAAC Click Huisgen <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 465-473	3.2	17

118	Quantitative analysis (K(d) and IC(50)) of glycoconjugates interactions with a bacterial lectin on a carbohydrate microarray with DNA Direct Immobilization (DDI). <i>Biosensors and Bioelectronics</i> , 2013 , 40, 153-60	11.8	26
117	Synthesis of 5' cap-0 and cap-1 RNAs using solid-phase chemistry coupled with enzymatic methylation by human (guanine-N7)-methyl transferase. <i>Rna</i> , 2012 , 18, 856-68	5.8	37
116	DNA glycoclusters and DNA-based carbohydrate microarrays: From design to applications. <i>RSC Advances</i> , 2012 , 2, 12043	3.7	21
115	Synthesis of homo- and heterofunctionalized glycoclusters and binding to <i>Pseudomonas aeruginosa</i> lectins PA-IL and PA-IIL. <i>Journal of Organic Chemistry</i> , 2012 , 77, 7620-6	4.2	31
114	Synthesis of a library of fucosylated glycoclusters and determination of their binding toward <i>Pseudomonas aeruginosa</i> lectin B (PA-IIL) using a DNA-based carbohydrate microarray. <i>Bioconjugate Chemistry</i> , 2012 , 23, 1534-47	6.3	46
113	Solid-phase chemical synthesis of 5'-triphosphate DNA, RNA, and chemically modified oligonucleotides. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2012 , Chapter 1, Unit1.28	0.5	15
112	Bis- and Tris-Alkyne Phosphoramidites for Multiple 5'-Labeling of Oligonucleotides by Click Chemistry. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 1851-1856	3.2	20
111	SELF-ASSEMBLY ARCHITECTURES OF NEW DNA-BASED STRUCTURES IN AIR AND IN LIQUIDS ANALYZED BY ATOMIC FORCE MICROSCOPY. <i>International Journal of Nanoscience</i> , 2012 , 11, 1240017	0.6	1
110	Glycoarray by DNA-directed immobilization. <i>Methods in Molecular Biology</i> , 2012 , 808, 195-219	1.4	7
109	Multiplexed binding determination of seven glycoconjugates for <i>Pseudomonas aeruginosa</i> lectin I (PA-IL) using a DNA-based carbohydrate microarray. <i>Chemical Communications</i> , 2011 , 47, 8826-8	5.8	22
108	Synthesis of a glycomimetic oligonucleotide conjugate by 1,3-dipolar cycloaddition. <i>Methods in Molecular Biology</i> , 2011 , 751, 167-93	1.4	2
107	Photopotential Imaging on Functionalized Surfaces Dedicated to Label-Free Detection of Biomolecular Interactions. <i>Procedia Engineering</i> , 2011 , 25, 932-935		
106	Oligosaccharides-Protein Interaction Study using Microarrays with DDI Immobilisation. <i>Procedia Engineering</i> , 2011 , 25, 1553-1556		
105	Electrochemical detection of nucleic acids using pentaferrocenyl phosphoramidate oligonucleotides. <i>New Journal of Chemistry</i> , 2011 , 35, 893	3.6	16
104	Measurement of enzymatic activity and specificity of human and avian influenza neuraminidases from whole virus by glycoarray and MALDI-TOF mass spectrometry. <i>ChemBioChem</i> , 2011 , 12, 2071-80	3.8	12
103	Oligonucleotide carbohydrate-centered galactosyl cluster conjugates synthesized by click and phosphoramidite chemistries. <i>Bioconjugate Chemistry</i> , 2010 , 21, 1520-9	6.3	42
102	3'-Deoxy phosphoramidate dinucleosides as improved inhibitors of hepatitis C virus subgenomic replicon and NS5B polymerase activity. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 6608-17	8.3	11
101	Efficient solid-phase chemical synthesis of 5'-triphosphates of DNA, RNA, and their analogues. <i>Organic Letters</i> , 2010 , 12, 2190-3	6.2	48

100	Carbohydrates as Recognition Receptors in Biosensing Applications 2010 , 275-341		2
99	Oligonucleotide sequential bis-conjugation via click-oxime and click-Huisgen procedures. <i>Journal of Organic Chemistry</i> , 2010 , 75, 3927-30	4.2	37
98	5'-Bis-conjugation of oligonucleotides by amidative oxidation and click chemistry. <i>Journal of Organic Chemistry</i> , 2010 , 75, 6689-92	4.2	17
97	From anionic to cationic alpha-anomeric oligodeoxynucleotides. <i>Chemistry and Biodiversity</i> , 2010 , 7, 494-535	5.35	15
96	Design of triazole-tethered glycoclusters exhibiting three different spatial arrangements and comparative study of their affinities towards PA-IL and RCA 120 by using a dna-based glycoarray. <i>ChemBioChem</i> , 2009 , 10, 1369-78	3.8	64
95	DNA-directed immobilisation of glycomimetics for glycoarrays application: comparison with covalent immobilisation, and development of an on-chip IC50 measurement assay. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 2515-21	11.8	40
94	Delta-di-carboxybutyl phosphoramidate of 2'-deoxycytidine-5'-monophosphate as substrate for DNA polymerization by HIV-1 reverse transcriptase. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 7008-14	3.4	27
93	Synthesis of mannose and galactose oligonucleotide conjugates by bi-click chemistry. <i>Journal of Organic Chemistry</i> , 2009 , 74, 1218-22	4.2	77
92	Azide solid support for 3'-conjugation of oligonucleotides and their circularization by click chemistry. <i>Journal of Organic Chemistry</i> , 2009 , 74, 6837-42	4.2	63
91	Carbohydrate-oligonucleotide conjugates. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2009 , Chapter 4, Unit4.38	0.5	
90	Specific recognition of lectins by oligonucleotide glycoconjugates and sorting on a DNA microarray. <i>Chemical Communications</i> , 2009 , 6795-7	5.8	27
89	Combinatorial and automated synthesis of phosphodiester galactosyl cluster on solid support by click chemistry assisted by microwaves. <i>Journal of Organic Chemistry</i> , 2008 , 73, 6014-7	4.2	37
88	New strategies for cyclization and bicyclization of oligonucleotides by click chemistry assisted by microwaves. <i>Journal of Organic Chemistry</i> , 2008 , 73, 191-200	4.2	71
87	Use of DNA and click chemistries to synthesize combinatorial libraries of galactosyl-phosphodiester clusters. <i>Nucleic Acids Symposium Series</i> , 2008 , 283-4		
86	Click chemistry and oligonucleotides: how a simple reaction can do so much. <i>Nucleic Acids Symposium Series</i> , 2008 , 47-8		7
85	Deoxygenation of 5--benzoyl-1,2-isopropylidene-3--imidazolylthiocarbonyl- β -xylofuranose using dimethyl phosphite: an efficient alternate method towards a 3'-deoxynucleoside glycosyl donor. <i>Tetrahedron Letters</i> , 2008 , 49, 3288-3290	2	6
84	Phosphoramidate dinucleosides as hepatitis C virus polymerase inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 5745-57	8.3	10
83	DNA-based carbohydrate biochips: a platform for surface glyco-engineering. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2398-402	16.4	133

82	Conformational and chiral selection of oligonucleotides. <i>Chemistry and Biodiversity</i> , 2007 , 4, 803-17	2.5	17
81	DNA-Based Carbohydrate Biochips: A Platform for Surface Glyco-Engineering. <i>Angewandte Chemie</i> , 2007 , 119, 2450-2454	3.6	28
80	Convenient synthesis of N2-isobutyryl-2'-O-methyl guanosine by efficient alkylation of O6-trimethylsilylethyl-3',5'-di-tert-butylsilanediyl guanosine. <i>Tetrahedron</i> , 2007 , 63, 11174-11178	2.4	9
79	An efficient reagent for 5'-azido oligonucleotide synthesis. <i>Tetrahedron Letters</i> , 2007 , 48, 8795-8798	2	25
78	5-Propynylamino alpha-deoxyuridine promotes DNA duplex stabilization of anionic and neutral but not cationic alpha-oligonucleotides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 951-4	2.9	6
77	A universal and recyclable solid support for oligonucleotide synthesis. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2007 , Chapter 3, Unit 3.16	0.5	1
76	Fucosylated pentaerythryl phosphodiester oligomers (PePOs): automated synthesis of DNA-based glycoclusters and binding to <i>Pseudomonas aeruginosa</i> lectin (PA-III). <i>Bioconjugate Chemistry</i> , 2007 , 18, 1637-43	6.3	90
75	Solution-Phase Synthesis of Phosphorothioate Oligonucleotides Using a Solid-Supported Acyl Chloride with H-Phosphonate Chemistry. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 436-448	3.2	12
74	Microwave assisted "click" chemistry for the synthesis of multiple labeled-carbohydrate oligonucleotides on solid support. <i>Journal of Organic Chemistry</i> , 2006 , 71, 4700-2	4.2	177
73	Solution-phase synthesis of di- and trinucleotides using polymer-supported reagents. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2006 , Chapter 3, Unit 3.14	0.5	
72	Use of a solid-supported coupling reagent for a selective phosphitylation of the primary alcohol of N2-isobutyryl-2'-deoxy or 2'-O-methyl guanosine. <i>Tetrahedron Letters</i> , 2006 , 47, 8379-8382	2	5
71	A versatile reagent for the synthesis of 5'-phosphorylated, 5'-thiophosphorylated or 5'-phosphoramidate-conjugated oligonucleotides. <i>Tetrahedron Letters</i> , 2006 , 47, 8867-8871	2	17
70	Optimized synthesis of functionalized fluorescent oligodeoxynucleotides for protein labeling. <i>Bioconjugate Chemistry</i> , 2005 , 16, 465-70	6.3	7
69	Microwaves synthesis of solid supports for the synthesis of 3'-aminoalkyl oligodeoxynucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005 , 24, 623-7	1.4	1
68	Universal solid supports for the synthesis of oligonucleotides via a transesterification of H-phosphonate diester linkage. <i>Journal of Organic Chemistry</i> , 2005 , 70, 9198-206	4.2	16
67	High-yield solution-phase synthesis of di- and trinucleotide blocks assisted by polymer-supported reagents. <i>Organic Letters</i> , 2005 , 7, 3485-8	6.2	22
66	Silyl protecting groups for oligonucleotide synthesis removed by a ZnBr ₂ treatment. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005 , 24, 1009-13	1.4	7
65	H-Phosphonate oligonucleotides from phosphoramidite chemistry. <i>Tetrahedron Letters</i> , 2004 , 45, 3745-3748		12

64	Lewis acid deprotection of silyl-protected oligonucleotides and base-sensitive oligonucleotide analogues. <i>Tetrahedron Letters</i> , 2004 , 45, 6287-6290	2	11
63	Fluoride-Labile Protecting Groups for the Synthesis of Base-Sensitive Methyl-SATE Oligonucleotide Prodrugs. <i>European Journal of Organic Chemistry</i> , 2003 , 2003, 2327-2335	3.2	14
62	Synthesis of oligonucleotide prodrugs bearing N-acetyl nucleobases. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003 , 22, 1243-5	1.4	1
61	Liquid-Phase Synthesis and Characterization of a Conjugated Chimeric Oligonucleotide-PEG-Peptide. <i>European Journal of Organic Chemistry</i> , 2002 , 2002, 3473-3480	3.2	12
60	Use of MALDI-TOF mass spectrometry to monitor solid-phase synthesis of oligonucleotides. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 374, 57-63	4.4	8
59	Uptake and quantification of intracellular concentration of lipophilic pro-oligonucleotides in HeLa cells. <i>Oligonucleotides</i> , 2002 , 12, 33-41		26
58	Kinetics study of the biotransformation of an oligonucleotide prodrug in cells extract by matrix-assisted laser desorption-ionization time-of-flight mass spectrometry. <i>Biomedical Applications</i> , 2001 , 753, 123-30		13
57	Use of 2-(tert-butyldiphenylsilyloxymethyl) benzoyl as N-protecting group for the synthesis of prooligonucleotides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001 , 11, 2813-6	2.9	6
56	Cellular uptake and intracellular quantification of fluorescent labeled T20 Me-SATE prooligonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001 , 20, 1165-8	1.4	1
55	Kinetics study of the biotransformation of an oligonucleotide prodrug in cells extract by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001 , 20, 1159-63	1.4	2
54	Triple, MPEG-conjugated, helix-forming oligonucleotides (TRIPEGXs): liquid-phase synthesis of natural and chimeric "all-purine" sequences linked to high molecular weight poly(ethylene glycols). <i>Bioconjugate Chemistry</i> , 2001 , 12, 719-25	6.3	13
53	Direct MALDI-TOF MS analysis of oligonucleotides on solid support through a photolabile linker. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001 , 20, 963-6	1.4	5
52	Polyimidazole conjugated oligonucleotides reach the nucleus of HeLa cells. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001 , 20, 805-8	1.4	4
51	A mild method for fluorescein labeling of base-sensitive oligonucleotides on solid support. <i>Tetrahedron Letters</i> , 2000 , 41, 7317-7321	2	7
50	Prooligonucleotides exhibit less serum-protein binding than phosphodiester and phosphorothioate oligonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2000 , 19, 995-1003	1.4	1
49	Lipophilic pro-oligonucleotides are rapidly and efficiently internalized in HeLa cells. <i>Nucleic Acids Research</i> , 1999 , 27, 4071-6	20.1	26
48	β-Aminobutyric Acid as Enzymolabile Groups for the Pro-oligonucleotide Approach. <i>Nucleosides & Nucleotides</i> , 1999 , 18, 1407-1408		1
47	4?-Thio-RNA: Synthesis, Base Pairing Properties and Interaction with Dimerization Initiation Site of HIV-1. <i>Nucleosides & Nucleotides</i> , 1999 , 18, 1423-1424		6

46	The Prooligonucleotide Approach: Synthesis of Mixed Phosphodiester and SATE Phosphotriester Prooligonucleotides Using H-Phosphonate and Phosphoramidite Chemistries. <i>European Journal of Organic Chemistry</i> , 1999 , 1999, 2353-2358	3.2	18
45	The Prooligonucleotide Approach: Synthesis of Mixed SATE-Phosphotriester Phosphodiester Oligonucleotides. <i>Nucleosides & Nucleotides</i> , 1999 , 18, 1433-1434		3
44	Triplex Formation of β Oligodeoxynucleotides Containing 5-Me- β C(N-4-Spermine). <i>Nucleosides & Nucleotides</i> , 1999 , 18, 1631-1632		
43	The Prooligonucleotide Approach: Synthesis of Mixed Phosphodiester and SATE Phosphotriester Prooligonucleotides Using H-Phosphonate and Phosphoramidite Chemistries 1999 , 1999, 2353		2
42	β Oligodeoxynucleotides containing 5-propynyl analogs of β Deoxyuridine and β Deoxycytidine: Synthesis and base pairing properties. <i>Tetrahedron</i> , 1998 , 54, 71-82	2.4	14
41	First synthesis of alternating SATE-phosphotriester/phosphodiester prooligonucleotides on solid support. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998 , 8, 2913-8	2.9	16
40	The pro-oligonucleotide approach: solid phase synthesis and preliminary evaluation of model pro-dodecathymidylates. <i>Nucleic Acids Research</i> , 1998 , 26, 2069-74	20.1	54
39	Comparative Stability of Triple Helices Containing Modified DNA or RNA Pyrimidine Strands. <i>Nucleosides & Nucleotides</i> , 1998 , 17, 1949-1952		
38	The Pro-Oligonucleotide Approach: Chimeric Dodecamers Bearing Six Bioreversible Protecting Groups. <i>Nucleosides & Nucleotides</i> , 1997 , 16, 1213-1214		1
37	Comparative stability of eight different triple helices formed by differently modified DNA or RNA pyrimidine strands and a DNA hairpin. <i>Oligonucleotides</i> , 1997 , 7, 327-34		9
36	The prooligonucleotide approach IV : Synthesis of chimeric prooligonucleotides with 6 enzymolabile masking groups and unexpected desulfurization side reaction. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997 , 7, 263-268	2.9	7
35	The pro-oligonucleotide approach. V: Influence of the phosphorus atom environment on the hydrolysis of enzymolabile dinucleoside phosphotriesters. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997 , 7, 851-854	2.9	12
34	Boundary between DNA and enantio-DNA as a mimic of B-Z junction. <i>Tetrahedron Letters</i> , 1997 , 38, 93-96		14
33	Oligonucleotide Mimics for Antisense Therapeutics: β Solution Phase and Automated Solid-Support Synthesis of MMI Linked Oligomers. <i>Journal of the American Chemical Society</i> , 1996 , 118, 255-256	16.4	61
32	The prooligonucleotide approach. III: Synthesis and bioreversibility of a chimeric phosphorodithioate prooligonucleotide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996 , 6, 457-462	2.9	13
31	Interaction of Escherichia Coli Ribonuclease H With Hybrid Duplexes Containing 2'-Deoxyxylotrymidine, 2'-Deoxy-2' Fluorouridine or Alpha-Thymidine. <i>Nucleosides & Nucleotides</i> , 1996 , 15, 1545-1558		
30	The prooligonucleotide approach: II. Synthesis and stability studies of chimeric oligonucleotide models. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1995 , 5, 1441-1444	2.9	12
29	Triple Helix Forming β Oligonucleotides Containing 5-Methylcytosine and/or 5-Bromouracil. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 1995 , 14, 975-977	1.4	2

28	Synthesis, Biophysical and Biological Evaluations of Novel Antisense Oligonucleosides Containing Dephosphono-Internucleosidic Linkages. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 1995 , 14, 1087-1090 ^{1.4}	6
27	Synthesis of 5'-O-Amino-2'-Deoxypyrimidine and Purine Nucleosides: Building-Blocks for Antisense Oligonucleotides. <i>Journal of Organic Chemistry</i> , 1995 , 60, 5150-5156	4.2 26
26	4'-Thio-RNA: synthesis of mixed base 4'-thio-oligoribonucleotides, nuclease resistance, and base pairing properties with complementary single and double strand. <i>Antisense Research and Development</i> , 1995 , 5, 167-74	25
25	Sequence-specific interaction of alpha-beta-anomeric double-stranded DNA with the p50 subunit of NF kappa B: application to the decoy approach. <i>Nucleic Acids Research</i> , 1994 , 22, 3069-74	20.1 30
24	Triple helix formation by alpha-oligodeoxynucleotides: a vibrational spectroscopy and molecular modeling study. <i>Biochemistry</i> , 1993 , 32, 10591-8	3.2 27
23	Comparative evaluation of seven oligonucleotide analogues as potential antisense agents. <i>Journal of Medicinal Chemistry</i> , 1993 , 36, 280-7	8.3 108
22	Rapid determination of the affinity of 28- and 14-mer phosphorothioate oligonucleotides for HIV-1 reverse transcriptase by fluorescence spectroscopy. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1993 , 1216, 1-8	4
21	Isotactic Glycero Oligothymidylate. a Convenient Preparation of (R) and (S) 1?, 2?-Seco 2?-Nor Thymidine. <i>Nucleosides & Nucleotides</i> , 1992 , 11, 1241-1255	17
20	Template. Phosphorothioate oligonucleotides duplexes as inhibitors of HIV-1 reverse transcriptase. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 186, 1249-56	3.4 30
19	Sugar modified oligonucleotides: synthesis, nuclease resistance and base pairing of oligodeoxynucleotides containing 1-(4'-thio-beta-D-ribofuranosyl)-thymine. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 184, 797-803	3.4 17
18	Structure and conformation in solution of the parallel-stranded hybrid alpha-d(CGCAATTCGC).beta-d(GCGTTAAGCG) by high-resolution 2D NMR. <i>Journal of Biomolecular NMR</i> , 1992 , 2, 275-88	3 9
17	Modified oligonucleotides: IV solid phase synthesis and preliminary evaluation of phosphorothioate RNA as potential antisense agents.. <i>Tetrahedron Letters</i> , 1990 , 31, 7149-7152	2 20
16	Polarity of annealing and structural analysis of the RNase H resistant alpha-5'-d[TACACA].beta-5'-r[AUGUGU] hybrid determined by high-field 1H, 13C, and 31P NMR analysis. <i>Biochemistry</i> , 1990 , 29, 10329-41	3.2 16
15	Sugar modified oligonucleotides. III (1). Synthesis, nuclease resistance and base pairing properties of alpha- and beta-L-octathymidylates. <i>Biochemical and Biophysical Research Communications</i> , 1990 , 172, 537-43	3.4 38
14	Alpha-DNA VIII: thermodynamic parameters of complexes formed between the oligo-alpha-deoxynucleotides: alpha-d(GGAAGG) and alpha-d(CCTTCC) and their complementary oligo-beta-deoxynucleotides: beta-d(CCTTCC) and beta-d(GGAAGG) are different. <i>Nucleic Acids Research</i> , 1989 , 17, 2693-704	20.1 44
13	Alpba-Oligodeoxynucleotides as Inhibitors of HIV Reverse Transcriptase. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 1989 , 8, 995-1000	1.4 8
12	Sugar-Modified Oligonucleotides: Synthesis, Physicochemical and Biological Properties. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 1989 , 8, 627-648	1.4 13
11	Alpha are more stable than beta anomer oligonucleotides in 3T3 cellular extracts. <i>Biochimie</i> , 1988 , 70, 1729-32	4.6 17

10	alpha-Oligodeoxynucleotide stability in serum, subcellular extracts and culture media. <i>Journal of Proteomics</i> , 1988 , 16, 311-8		29
9	Alpha-anomeric DNA: beta-RNA hybrids as new synthetic inhibitors of Escherichia coli RNase H, Drosophila embryo RNase H and M-MLV reverse transcriptase. <i>Gene</i> , 1988 , 72, 349-60	3.8	28
8	alpha-DNA. VII. Solid phase synthesis of alpha-anomeric oligodeoxyribonucleotides. <i>Nucleic Acids Research</i> , 1988 , 16, 833-47	20.1	42
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6	Alpha-DNA. IV: Alpha-anomeric and beta-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physicochemical properties and poly (rA) binding. <i>Nucleic Acids Research</i> , 1987 , 15, 6625-41	20.1	26
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