

# Francois Morvan

## List of Publications by Citations

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#	Paper	IF	Citations
153	Microwave assisted "click" chemistry for the synthesis of multiple labeled-carbohydrate oligonucleotides on solid support. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 4700-2	4.2	177
152	DNA-based carbohydrate biochips: a platform for surface glyco-engineering. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 2398-402	16.4	133
151	alpha-DNA II. Synthesis of unnatural alpha-anomeric oligodeoxyribonucleotides containing the four usual bases and study of their substrate activities for nucleases. <i>Nucleic Acids Research</i> , <b>1987</b> , 15, 3421-37	20.1	126
150	alpha-DNA. VI: Comparative study of alpha- and beta-anomeric oligodeoxyribonucleotides in hybridization to mRNA and in cell free translation inhibition. <i>Nucleic Acids Research</i> , <b>1987</b> , 15, 10419-36	20.1	112
149	Comparative evaluation of seven oligonucleotide analogues as potential antisense agents. <i>Journal of Medicinal Chemistry</i> , <b>1993</b> , 36, 280-7	8.3	108
148	alpha-DNA. I. Synthesis, characterization by high field <sup>1</sup> H-NMR, and base-pairing properties of the unnatural hexadeoxyribonucleotide alpha-[d(CpCpTpTpCpC)] with its complement beta-[d(GpGpApApGpG)]. <i>Nucleic Acids Research</i> , <b>1986</b> , 14, 5019-35	20.1	93
147	Fucosylated pentaerythrityl phosphodiester oligomers (PePOs): automated synthesis of DNA-based glycoclusters and binding to <i>Pseudomonas aeruginosa</i> lectin (PA-III). <i>Bioconjugate Chemistry</i> , <b>2007</b> , 18, 1637-43	6.3	90
146	Synthesis of mannose and galactose oligonucleotide conjugates by bi-click chemistry. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 1218-22	4.2	77
145	alpha-DNA-V. Parallel annealing, handedness and conformation of the duplex of the unnatural alpha-hexadeoxyribonucleotide alpha-[d(CpApTpGpCpG)] with its beta-complement beta-[d(GpTpApCpGpC)] deduced from high field <sup>1</sup> H-NMR. <i>Nucleic Acids Research</i> , <b>1987</b> , 15, 7027-44	20.1	74
144	New strategies for cyclization and bicyclization of oligonucleotides by click chemistry assisted by microwaves. <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 191-200	4.2	71
143	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> , <b>2009</b> , 10, 1369-78	3.8	64
142	Azide solid support for 3'-conjugation of oligonucleotides and their circularization by click chemistry. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 6837-42	4.2	63
141	Oligonucleotide Mimics for Antisense Therapeutics: Solution Phase and Automated Solid-Support Synthesis of MMI Linked Oligomers. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 255-256	16.4	61
140	Glycoclusters on oligonucleotide and PNA scaffolds: synthesis and applications. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 4557-73	58.5	55
139	The pro-oligonucleotide approach: solid phase synthesis and preliminary evaluation of model pro-dodecathymidylates. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 2069-74	20.1	54
138	Efficient solid-phase chemical synthesis of 5'-triphosphates of DNA, RNA, and their analogues. <i>Organic Letters</i> , <b>2010</b> , 12, 2190-3	6.2	48
137	Synthesis of a library of fucosylated glycoclusters and determination of their binding toward <i>Pseudomonas aeruginosa</i> lectin B (PA-III) using a DNA-based carbohydrate microarray. <i>Bioconjugate Chemistry</i> , <b>2012</b> , 23, 1534-47	6.3	46

136	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> , <b>1989</b> , 17, 2693-704	20.1	44
135	Oligonucleotide carbohydrate-centered galactosyl cluster conjugates synthesized by click and phosphoramidite chemistries. <i>Bioconjugate Chemistry</i> , <b>2010</b> , 21, 1520-9	6.3	42
134	alpha-DNA. VII. Solid phase synthesis of alpha-anomeric oligodeoxyribonucleotides. <i>Nucleic Acids Research</i> , <b>1988</b> , 16, 833-47	20.1	42
133	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> , <b>2009</b> , 24, 2515-21	11.8	40
132	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> , <b>1990</b> , 172, 537-43	3.4	38
131	Synthesis of 5' cap-0 and cap-1 RNAs using solid-phase chemistry coupled with enzymatic methylation by human (guanine-N <sup>7</sup> )methyl transferase. <i>Rna</i> , <b>2012</b> , 18, 856-68	5.8	37
130	Oligonucleotide sequential bis-conjugation via click-oxime and click-Huisgen procedures. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 3927-30	4.2	37
129	Combinatorial and automated synthesis of phosphodiester galactosyl cluster on solid support by click chemistry assisted by microwaves. <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 6014-7	4.2	37
128	alpha-DNA-III. Characterization by high field 1H-NMR, anti-parallel self-recognition and conformation of the unnatural hexadeoxyribonucleotides alpha-[d(CpApTpGpCpG)] and alpha-[d(CpGpCpApTpG)]. Alpha-oligodeoxynucleotides as potential cellular probes for gene control. <i>Nucleic Acids Research</i> , <b>1987</b> , 15, 4241-55	20.1	36
127	Structure binding relationship of galactosylated Glyoclusters toward <i>Pseudomonas aeruginosa</i> lectin LecA using a DNA-based carbohydrate microarray. <i>Bioconjugate Chemistry</i> , <b>2014</b> , 25, 379-92	6.3	33
126	Fluorescence enhancement upon G-quadruplex folding: synthesis, structure, and biophysical characterization of a dansyl/cyclodextrin-tagged thrombin binding aptamer. <i>Bioconjugate Chemistry</i> , <b>2013</b> , 24, 1917-27	6.3	33
125	Mannose-centered aromatic galactoclusters inhibit the biofilm formation of <i>Pseudomonas aeruginosa</i> . <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 8433-44	3.9	32
124	Synthesis of homo- and heterofunctionalized glyoclusters and binding to <i>Pseudomonas aeruginosa</i> lectins PA-IL and PA-III. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 7620-6	4.2	31
123	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> , <b>1994</b> , 22, 3069-74	20.1	30
122	Template. Phosphorothioate oligonucleotides duplexes as inhibitors of HIV-1 reverse transcriptase. <i>Biochemical and Biophysical Research Communications</i> , <b>1992</b> , 186, 1249-56	3.4	30
121	alpha-Oligodeoxynucleotide stability in serum, subcellular extracts and culture media. <i>Journal of Proteomics</i> , <b>1988</b> , 16, 311-8		29
120	Fluorescent Thrombin Binding Aptamer-Tagged Nanoparticles for an Efficient and Reversible Control of Thrombin Activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 35574-35587	9.5	28
119	DNA-Based Carbohydrate Biochips: A Platform for Surface Glyco-Engineering. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 2450-2454	3.6	28

118	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> , <b>1988</b> , 72, 349-60	3.8	28
117	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> , <b>2009</b> , 17, 7008-14	3.4	27
116	Specific recognition of lectins by oligonucleotide glycoconjugates and sorting on a DNA microarray. <i>Chemical Communications</i> , <b>2009</b> , 6795-7	5.8	27
115	Triple helix formation by alpha-oligodeoxynucleotides: a vibrational spectroscopy and molecular modeling study. <i>Biochemistry</i> , <b>1993</b> , 32, 10591-8	3.2	27
114	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> , <b>2013</b> , 40, 153-60	11.8	26
113	Uptake and quantification of intracellular concentration of lipophilic pro-oligonucleotides in HeLa cells. <i>Oligonucleotides</i> , <b>2002</b> , 12, 33-41		26
112	Lipophilic pro-oligonucleotides are rapidly and efficiently internalized in HeLa cells. <i>Nucleic Acids Research</i> , <b>1999</b> , 27, 4071-6	20.1	26
111	Synthesis of 5'-O-Amino-2'-Deoxypyrimidine and Purine Nucleosides: Building-Blocks for Antisense Oligonucleotides. <i>Journal of Organic Chemistry</i> , <b>1995</b> , 60, 5150-5156	4.2	26
110	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> , <b>1987</b> , 15, 6625-41	20.1	26
109	An efficient reagent for 5'-azido oligonucleotide synthesis. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 8795-8798	2	25
108	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> , <b>1995</b> , 5, 167-74		25
107	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> , <b>2014</b> , 12, 9166-79	3.9	24
106	Toward the Rational Design of Galactosylated Glycoclusters That Target Pseudomonas aeruginosa Lectin A (LecA): Influence of Linker Arms That Lead to Low-Nanomolar Multivalent Ligands. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 11785-94	4.8	23
105	Multiplexed binding determination of seven glycoconjugates for Pseudomonas aeruginosa lectin I (PA-IL) using a DNA-based carbohydrate microarray. <i>Chemical Communications</i> , <b>2011</b> , 47, 8826-8	5.8	22
104	High-yield solution-phase synthesis of di- and trinucleotide blocks assisted by polymer-supported reagents. <i>Organic Letters</i> , <b>2005</b> , 7, 3485-8	6.2	22
103	DNA glycoclusters and DNA-based carbohydrate microarrays: From design to applications. <i>RSC Advances</i> , <b>2012</b> , 2, 12043	3.7	21
102	Bis- and Tris-Alkyne Phosphoramidites for Multiple 5'-Labeling of Oligonucleotides by Click Chemistry. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 1851-1856	3.2	20
101	Modified oligonucleotides: IV solid phase synthesis and preliminary evaluation of phosphorothioate RNA as potential antisense agents.. <i>Tetrahedron Letters</i> , <b>1990</b> , 31, 7149-7152	2	20

100	Synthesis of branched-phosphodiester and mannose-centered fucosylated glycoclusters and their binding studies with Burkholderia ambifaria lectin (BamBL). <i>RSC Advances</i> , <b>2013</b> , 3, 19515	3.7	18
99	The Prooligonucleotide Approach: Synthesis of Mixed Phosphodiester and SATE Phosphotriester Prooligonucleotides Using H-Phosphonate and Phosphoramidite Chemistries. <i>European Journal of Organic Chemistry</i> , <b>1999</b> , 1999, 2353-2358	3.2	18
98	Design and Synthesis of Galactosylated Bifurcated Ligands with Nanomolar Affinity for Lectin LecA from Pseudomonas aeruginosa. <i>ChemBioChem</i> , <b>2017</b> , 18, 1036-1047	3.8	17
97	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> , <b>2017</b> , 28, 496-506	6.3	17
96	The anti-adhesive effect of glycoclusters on Pseudomonas aeruginosa bacteria adhesion to epithelial cells studied by AFM single cell force spectroscopy. <i>Nanoscale</i> , <b>2018</b> , 10, 12771-12778	7.7	17
95	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> , <b>2013</b> , 2013, 465-473	3.2	17
94	5'-Bis-conjugation of oligonucleotides by amidative oxidation and click chemistry. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 6689-92	4.2	17
93	Conformational and chiral selection of oligonucleotides. <i>Chemistry and Biodiversity</i> , <b>2007</b> , 4, 803-17	2.5	17
92	A versatile reagent for the synthesis of 5'-phosphorylated, 5'-thiophosphorylated or 5'-phosphoramidate-conjugated oligonucleotides. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 8867-8871	2	17
91	Isotactic Glycero Oligothymidylate. a Convenient Preparation of (R) and (S) 1', 2'-Seco 2'-Nor Thymidine. <i>Nucleosides &amp; Nucleotides</i> , <b>1992</b> , 11, 1241-1255		17
90	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> , <b>1992</b> , 184, 797-803	3.4	17
89	Alpha are more stable than beta anomer oligonucleotides in 3T3 cellular extracts. <i>Biochimie</i> , <b>1988</b> , 70, 1729-32	4.6	17
88	Importance of topology for glycocluster binding to Pseudomonas aeruginosa and Burkholderia ambifaria bacterial lectins. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 11244-54	3.9	16
87	Synthesis of Galactocusters by Metal-Free Thiol Click Chemistry and Their Binding Affinities for Pseudomonas aeruginosa Lectin LecA. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 7621-7630	3.2	16
86	Electrochemical detection of nucleic acids using pentaferrocenyl phosphoramidate oligonucleotides. <i>New Journal of Chemistry</i> , <b>2011</b> , 35, 893	3.6	16
85	First synthesis of alternating SATE-phosphotriester/phosphodiester prooligonucleotides on solid support. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1998</b> , 8, 2913-8	2.9	16
84	Universal solid supports for the synthesis of oligonucleotides via a transesterification of H-phosphonate diester linkage. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 9198-206	4.2	16
83	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> , <b>1990</b> , 29, 10329-41	3.2	16

82	DNA directed immobilization glycocluster array: applications and perspectives. <i>Current Opinion in Chemical Biology</i> , <b>2014</b> , 18, 46-54	9.7	15
81	Development of innovative and versatile polythiol probes for use on ELOSA or electrochemical biosensors: application in hepatitis C virus genotyping. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 9204-12	7.8	15
80	Solid-phase chemical synthesis of 5'-triphosphate DNA, RNA, and chemically modified oligonucleotides. <i>Current Protocols in Nucleic Acid Chemistry</i> , <b>2012</b> , Chapter 1, Unit1.28	0.5	15
79	From anionic to cationic alpha-anomeric oligodeoxynucleotides. <i>Chemistry and Biodiversity</i> , <b>2010</b> , 7, 494-535	5.35	15
78	Boundary between DNA and enantio-DNA as a mimic of B-Z junction. <i>Tetrahedron Letters</i> , <b>1997</b> , 38, 93-96		14
77	Oligodeoxynucleotides containing 5-propynyl analogs of deoxyuridine and deoxycytidine: Synthesis and base pairing properties. <i>Tetrahedron</i> , <b>1998</b> , 54, 71-82	2.4	14
76	Fluoride-Labile Protecting Groups for the Synthesis of Base-Sensitive Methyl-SATE Oligonucleotide Prodrugs. <i>European Journal of Organic Chemistry</i> , <b>2003</b> , 2003, 2327-2335	3.2	14
75	Hetero-Click Conjugation of Oligonucleotides with Glycosides Using Bifunctional Phosphoramidites. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 2921-2927	3.2	13
74	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> , <b>2001</b> , 753, 123-30		13
73	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> , <b>2001</b> , 12, 719-25	6.3	13
72	The prooligonucleotide approach. III: Synthesis and bioreversibility of a chimeric phosphorodithioate prooligonucleotide. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1996</b> , 6, 457-462	2.9	13
71	Sugar-Modified Oligonucleotides: Synthesis, Physicochemical and Biological Properties. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>1989</b> , 8, 627-648	1.4	13
70	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> , <b>2011</b> , 12, 2071-80	3.8	12
69	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> , <b>1997</b> , 7, 851-854	2.9	12
68	Solution-Phase Synthesis of Phosphorothioate Oligonucleotides Using a Solid-Supported Acyl Chloride with H-Phosphonate Chemistry. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 436-448	3.2	12
67	H-Phosphonate oligonucleotides from phosphoramidite chemistry. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 3745-3748		12
66	Liquid-Phase Synthesis and Characterization of a Conjugated Chimeric Oligonucleotide-PEG-Peptide. <i>European Journal of Organic Chemistry</i> , <b>2002</b> , 2002, 3473-3480	3.2	12
65	The prooligonucleotide approach: II. Synthesis and stability studies of chimeric oligonucleotide models. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1995</b> , 5, 1441-1444	2.9	12



64	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> , <b>2020</b> , 94, 103379	5.1	12
63	3'-Deoxy phosphoramidate dinucleosides as improved inhibitors of hepatitis C virus subgenomic replicon and NS5B polymerase activity. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 6608-17	8.3	11
62	Lewis acid deprotection of silyl-protected oligonucleotides and base-sensitive oligonucleotide analogues. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 6287-6290	2	11
61	Effects of the Surface Densities of Glycoclusters on the Determination of Their IC50 and Kd Value Determination by Using a Microarray. <i>ChemBioChem</i> , <b>2015</b> , 16, 2329-36	3.8	10
60	Phosphoramidate dinucleosides as hepatitis C virus polymerase inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 5745-57	8.3	10
59	Stability Is Not Everything: The Case of the Cyclisation of a Thrombin-Binding Aptamer. <i>ChemBioChem</i> , <b>2019</b> , 20, 1789-1794	3.8	9
58	Comparative stability of eight different triple helices formed by differently modified DNA or RNA pyrimidine strands and a DNA hairpin. <i>Oligonucleotides</i> , <b>1997</b> , 7, 327-34		9
57	Convenient synthesis of N2-isobutyryl-2'-O-methyl guanosine by efficient alkylation of O6-trimethylsilylethyl-3',5'-di-tert-butylsilylanediyl guanosine. <i>Tetrahedron</i> , <b>2007</b> , 63, 11174-11178	2.4	9
56	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> , <b>1992</b> , 2, 275-88	3	9
55	Design, Synthesis and Characterization of Cyclic NU172 Analogues: A Biophysical and Biological Insight. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	8
54	Use of MALDI-TOF mass spectrometry to monitor solid-phase synthesis of oligonucleotides. <i>Analytical and Bioanalytical Chemistry</i> , <b>2002</b> , 374, 57-63	4.4	8
53	Alpba-Oligodeoxynucleotides as Inhibitors of HIV Reverse Transcriptase. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>1989</b> , 8, 995-1000	1.4	8
52	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> , <b>1997</b> , 7, 263-268	2.9	7
51	Click chemistry and oligonucleotides: how a simple reaction can do so much. <i>Nucleic Acids Symposium Series</i> , <b>2008</b> , 47-8		7
50	Optimized synthesis of functionalized fluorescent oligodeoxynucleotides for protein labeling. <i>Bioconjugate Chemistry</i> , <b>2005</b> , 16, 465-70	6.3	7
49	Silyl protecting groups for oligonucleotide synthesis removed by a ZnBr2 treatment. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2005</b> , 24, 1009-13	1.4	7
48	A mild method for fluorescein labeling of base-sensitive oligonucleotides on solid support. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 7317-7321	2	7
47	Glycoarray by DNA-directed immobilization. <i>Methods in Molecular Biology</i> , <b>2012</b> , 808, 195-219	1.4	7

46	5-Propynylamino alpha-deoxyuridine promotes DNA duplex stabilization of anionic and neutral but not cationic alpha-oligonucleotides. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2007</b> , 17, 951-4	2.9	6
45	Deoxygenation of 5--benzoyl-1,2-isopropylidene-3--imidazolylthiocarbonyl- $\beta$ -xylofuranose using dimethyl phosphite: an efficient alternate method towards a 3'-deoxynucleoside glycosyl donor. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 3288-3290	2	6
44	Use of 2-(tert-butyldiphenylsilyloxymethyl) benzoyl as N-protecting group for the synthesis of prooligonucleotides. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2001</b> , 11, 2813-6	2.9	6
43	4?-Thio-RNA: Synthesis, Base Pairing Properties and Interaction with Dimerization Initiation Site of HIV-1. <i>Nucleosides &amp; Nucleotides</i> , <b>1999</b> , 18, 1423-1424		6
42	Synthesis, Biophysical and Biological Evaluations of Novel Antisense Oligonucleosides Containing Dephosphono-Internucleosidic Linkages. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>1995</b> , 14, 1087-1090 <sup>1.4</sup>		6
41	$\beta$ DNA. Synthesis, Characterization and Base-Pairing Properties of Unnatural $\beta$ Oligodeoxyribonucleotides. <i>Nucleosides &amp; Nucleotides</i> , <b>1987</b> , 6, 471-472		6
40	Screening of a Library of Oligosaccharides Targeting Lectin LecB of and Synthesis of High Affinity Oligoglycoclusters. <i>Molecules</i> , <b>2018</b> , 23,	4.8	6
39	Glycoclusters with Additional Functionalities for Binding to the LecA Lectin from <i>Pseudomonas aeruginosa</i> . <i>ChemistrySelect</i> , <b>2017</b> , 2, 10420-10427	1.8	5
38	Use of a solid-supported coupling reagent for a selective phosphorylation of the primary alcohol of N2-isobutyryl-2?-deoxy or 2?-O-methyl guanosine. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 8379-8382	2	5
37	Direct MALDI-TOF MS analysis of oligonucleotides on solid support through a photolabile linker. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2001</b> , 20, 963-6	1.4	5
36	Polyimidazole conjugated oligonucleotides reach the nucleus of HeLa cells. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2001</b> , 20, 805-8	1.4	4
35	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> , <b>1993</b> , 1216, 1-8		4
34	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> , <b>2019</b> , 84, 14854-14860	4.2	3
33	The Prooligonucleotide Approach: Synthesis of Mixed SATE-Phosphotriester Phosphodiester Oligonucleotides. <i>Nucleosides &amp; Nucleotides</i> , <b>1999</b> , 18, 1433-1434		3
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