FranÃ§ois Morvan

List of Publications by Year
in descending order

161 papers	3,851 citations	136740 32 h-index	168136 53 g-index
173 all docs	173 docs citations	173 times ranked	2108 citing authors

#	Article	IF	Citations
1	Microwave Assisted â€œClickâ€•Chemistry for the Synthesis of Multiple Labeled-Carbohydrate Oligonucleotides on Solid Support. Journal of Organic Chemistry, 2006, 71, 4700-4702.	1.7	188
2	DNA-Based Carbohydrate Biochips: A Platform for Surface Glyco-Engineering. Angewandte Chemie - International Edition, 2007, 46, 2398-2402.	7.2	138
3	Î´-DNA II. Synthesis of unnatural Î´-anomeric oligodeoxyribonucleotides containing the four usual bases and study of their substrate activities for nucleases. Nucleic Acids Research, 1987, 15, 3421-3437.	6.5	137
4	Î±-DNA VI: comparative study of Î±- and Î²-anomeric oligodeoxyribonucleotides in hybridization to mRNA and in cell free translation inhibition. Nucleic Acids Research, 1987, 15, 10419-10436.	6.5	125
5	Î±-Oligodeoxynucleotide stability in serum, subcellular extracts and culture media. Journal of Proteomics, 1988, 16, 311-318.	2.4	118
6	Comparative evaluation of seven oligonucleotide analogs as potential antisense agents. Journal of Medicinal Chemistry, 1993, 36, 280-287.	2.9	116
7	Î±-DNA I. Synthesis, characterization by high field1H-NMR, and base-pairing properties of the unnatural hexadeoxyribonudeotide Î±-[d(CpCpTpTpCpC)] with its complement Î²-[d(GpGpApApGpG)]. Nucleic Acids Research, 1986, 14, 5019-5035.	6.5	102
8	Fucosylated Pentaerythrityl Phosphodiester Oligomers (PePOs):â€‰ Automated Synthesis of DNA-Based Glycoclusters and Binding to Pseudomonas aeruginosa Lectin (PA-IIL). Bioconjugate Chemistry, 2007, 18, 1637-1643.	1.8	96
9	Î±-DNA-V. Parallel annealing, handedness and conformation of the duplex of the unnatural Î±-hexadeoxyribonucleotide Î±-[d(CpApTpGpCpG)] with its Î²-complement Î²-[d(GpTpApCpGpC)] deduced from high field1H-NMR. Nucleic Acids Research, 1987, 15, 7027-7044.	6.5	84
10	Synthesis of Mannose and Galactose Oligonucleotide Conjugates by Bi-click chemistry. Journal of Organic Chemistry, 2009, 74, 1218-1222.	1.7	84
11	New Strategies for Cyclization and Bicyclization of Oligonucleotides by Click Chemistry Assisted by Microwaves. Journal of Organic Chemistry, 2008, 73, 191-200.	1.7	76
12	Azide Solid Support for 3â€²-Conjugation of Oligonucleotides and Their Circularization by Click Chemistry. Journal of Organic Chemistry, 2009, 74, 6837-6842.	1.7	70
13	Design of Triazoleâ€Tethered Glycoclusters Exhibiting Three Different Spatial Arrangements and Comparative Study of their Affinities towards PAâ€IL and RCA 120 by Using a DNAâ€Based Glycoarray. ChemBioChem, 2009, 10, 1369-1378.	1.3	69
14	Oligonucleotide Mimics for Antisense Therapeutics:Â Solution Phase and Automated Solid-Support Synthesis of MMI Linked Oligomers. Journal of the American Chemical Society, 1996, 118, 255-256.	6.6	67
15	The pro-oligonucleotide approach: solid phase synthesis and preliminary evaluation of model pro-dodecathymidylates. Nucleic Acids Research, 1998, 26, 2069-2074.	6.5	63
16	Glycoclusters on oligonucleotide and PNA scaffolds: synthesis and applications. Chemical Society Reviews, 2013, 42, 4557-4573.	18.7	57
17	Efficient Solid-Phase Chemical Synthesis of 5â€²-Triphosphates of DNA, RNA, and their Analogues. Organic Letters, 2010, 12, 2190-2193.	2.4	56
18	Î±-DNA VIII: thermodynamic parameters of complexes formed between the oligo-alpha-deoxynucleotides: Î±-d(GGAAGG) and Î±-d(CCTTCC) and their complementary oligo-beta-deoxynucleotides: Î²-d(CCTTCC) and Î²-d(GGAAGG) are different. Nucleic Acids Research, 1989, 17, 2693-2704.	6.5	52

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19	Synthesis of a Library of Fucosylated Glycoclusters and Determination of their Binding toward Pseudomonas aeruginosa Lectin B (PA-IIL) Using a DNA-Based Carbohydrate Microarray. Bioconjugate Chemistry, 2012, 23, 1534-1547.	1.8	51
20	Synthesis of 5â€² cap-0 and cap-1 RNAs using solid-phase chemistry coupled with enzymatic methylation by human (guanine-N⁷)-methyl transferase. Rna, 2012, 18, 856-868.	1.6	47
21	Î±-DNA VII. Solid phase synthesis of Î±-anomeric oligodeoxyribonucleotides. Nucleic Acids Research, 1988, 16, 833-847.	6.5	45
22	Oligonucleotide Carbohydrate-Centered Galactosyl Cluster Conjugates Synthesized by Click and Phosphoramidite Chemistries. Bioconjugate Chemistry, 2010, 21, 1520-1529.	1.8	43
23	DNA-directed immobilisation of glycomimetics for glycoarrays application: Comparison with covalent immobilisation, and development of an on-chip IC50 measurement assay. Biosensors and Bioelectronics, 2009, 24, 2515-2521.	5.3	42
24	Î±-DNA-III. Characterization by high field1H-NMR, anti-parallel self-recognition and. Nucleic Acids Research, 1987, 15, 4241-4255.	6.5	41
25	Sugar modified oligonucleotides. III (1). Synthesis, nuclease resistance and base pairing properties of Î±- and Î²-L-octathymidylates. Biochemical and Biophysical Research Communications, 1990, 172, 537-543.	1.0	40
26	Oligonucleotide Sequential Bis-Conjugation via Clickâ€"Oxime and Clickâ€"Huisgen Procedures. Journal of Organic Chemistry, 2010, 75, 3927-3930.	1.7	39
27	Combinatorial and Automated Synthesis of Phosphodiester Galactosyl Cluster on Solid Support by Click Chemistry Assisted by Microwaves. Journal of Organic Chemistry, 2008, 73, 6014-6017.	1.7	38
28	Structure Binding Relationship of Galactosylated Glycoclusters toward Pseudomonas aeruginosa Lectin LecA Using a DNA-Based Carbohydrate Microarray. Bioconjugate Chemistry, 2014, 25, 379-392.	1.8	36
29	Fluorescent Thrombin Binding Aptamer-Tagged Nanoparticles for an Efficient and Reversible Control of Thrombin Activity. ACS Applied Materials & Interfaces, 2017, 9, 35574-35587.	4.0	36
30	Sequence-specific interaction of Î± Î²-anomeric doublestranded DNA with the p50 subunit of NFxB: application to the decoy approach. Nucleic Acids Research, 1994, 22, 3069-3074.	6.5	35
31	Fluorescence Enhancement upon G-Quadruplex Folding: Synthesis, Structure, and Biophysical Characterization of a Dansyl/Cyclodextrin-Tagged Thrombin Binding Aptamer. Bioconjugate Chemistry, 2013, 24, 1917-1927.	1.8	35
32	Mannose-centered aromatic galactoclusters inhibit the biofilm formation of Pseudomonas aeruginosa. Organic and Biomolecular Chemistry, 2015, 13, 8433-8444.	1.5	35
33	Synthesis of Homo- and Heterofunctionalized Glycoclusters and Binding to Pseudomonas aeruginosa Lectins PA-IL and PA-IIL. Journal of Organic Chemistry, 2012, 77, 7620-7626.	1.7	34
34	Template. Phosphorothioate oligonucleotides duplexes as inhibitors of HIV-1 reverse transcriptase. Biochemical and Biophysical Research Communications, 1992, 186, 1249-1256.	1.0	30
35	Triple helix formation by .alpha.-oligodeoxynucleotides: A vibrational spectroscopy and molecular modeling study. Biochemistry, 1993, 32, 10591-10598.	1.2	30
36	Î±-Anomeric DNA: Î²-RNA hybrids as new synthetic inhibitors of Escherichia coli RNase H, Drosophila embryo RNase H and M-MLV reverse transcriptase. Gene, 1988, 72, 349-360.	1.0	29

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37	Synthesis of 5'-O-Amino-2'-Deoxypyrimidine and Purine Nucleosides: Building-Blocks for Antisense Oligonucleotides. Journal of Organic Chemistry, 1995, 60, 5150-5156.	1.7	29
38	Lipophilic pro-oligonucleotides are rapidly and efficiently internalized in HeLa cells. Nucleic Acids Research, 1999, 27, 4071-4076.	6.5	29
39	Î´-Di-carboxybutyl phosphoramidate of 2â€²-deoxycytidine-5â€²-monophosphate as substrate for DNA polymerization by HIV-1 reverse transcriptase. Bioorganic and Medicinal Chemistry, 2009, 17, 7008-7014.	1.4	29
40	Toward the Rational Design of Galactosylated Glycoclusters That Target Pseudomonas aeruginosa Lectin A (LecA): Influence of Linker Arms That Lead to Lowâ€Nanomolar Multivalent Ligands. Chemistry - A European Journal, 2016, 22, 11785-11794.	1.7	29
41	Î±-DNA IV: Î±-anomeric and Î²-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physicochemical properties and poly (rA) binding. Nucleic Acids Research, 1987, 15, 6625-6641.	6.5	28
42	Uptake and Quantification of Intracellular Concentration of Lipophilic Pro-Oligonucleotides in HeLa Cells. Oligonucleotides, 2002, 12, 33-41.	4.4	28
43	Specific recognition of lectins by oligonucleotide glycoconjugates and sorting on a DNA microarray. Chemical Communications, 2009, , 6795.	2.2	28
44	Quantitative analysis (Kd and IC50) of glycoconjugates interactions with a bacterial lectin on a carbohydrate microarray with DNA Direct Immobilization (DDI). Biosensors and Bioelectronics, 2013, 40, 153-160.	5.3	28
45	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. Organic and Biomolecular Chemistry, 2014, 12, 9166-9179.	1.5	28
46	An efficient reagent for 5â€²-azido oligonucleotide synthesis. Tetrahedron Letters, 2007, 48, 8795-8798.	0.7	27
47	4â€²-Thio-RNA: Synthesis of Mixed Base 4â€²-ThioOligoribonucleotides, Nuclease Resistance, and Base Pairing Properties with Complementary Single and Double Strand. Antisense Research and Development, 1995, 5, 167-174.	3.3	26
48	High-Yield Solution-Phase Synthesis of Di- and Trinucleotide Blocks Assisted by Polymer-Supported Reagents. Organic Letters, 2005, 7, 3485-3488.	2.4	26
49	DNA glycoclusters and DNA-based carbohydrate microarrays: From design to applications. RSC Advances, 2012, 2, 12043.	1.7	24
50	Importance of topology for glycocluster binding to Pseudomonas aeruginosa and Burkholderia ambifaria bacterial lectins. Organic and Biomolecular Chemistry, 2015, 13, 11244-11254.	1.5	24
51	Fine-tuning the properties of the thrombin binding aptamer through cyclization: Effect of the 5â€²-3â€² connecting linker on the aptamer stability and anticoagulant activity. Bioorganic Chemistry, 2020, 94, 103379.	2.0	23
52	Design, Synthesis and Characterization of Cyclic NU172 Analogues: A Biophysical and Biological Insight. International Journal of Molecular Sciences, 2020, 21, 3860.	1.8	23
53	Modified oligonucleotides: IV solid phase synthesis and preliminary evaluation of phosphorothioate RNA as potential antisense agents.. Tetrahedron Letters, 1990, 31, 7149-7152.	0.7	22
54	Multiplexed binding determination of seven glycoconjugates for Pseudomonas aeruginosa Lectin I (PA-IL) using a DNA-based carbohydrate microarray. Chemical Communications, 2011, 47, 8826.	2.2	22

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55	Bisâ€•and Trisâ€Alkyne Phosphoramidites for Multiple 5â€²â€Labeling of Oligonucleotides by Click Chemistry. European Journal of Organic Chemistry, 2012, 2012, 1851-1856.	1.2	22
56	Design and Synthesis of Galactosylated Bifurcated Ligands with Nanomolar Affinity for Lectin LecA from Pseudomonas aeruginosa. ChemBioChem, 2017, 18, 1036-1047.	1.3	22
57	The anti-adhesive effect of glycoclusters onPseudomonas aeruginosabacteria adhesion to epithelial cells studied by AFM single cell force spectroscopy. Nanoscale, 2018, 10, 12771-12778.	2.8	22
58	Stability Is Not Everything: The Case of the Cyclisation of a Thrombinâ€Binding Aptamer. ChemBioChem, 2019, 20, 1789-1794.	1.3	22
59	Sugar modified oligonucleotides: Synthesis, nuclease resistance and base pairing of oligodeoxynucleotides containing 1-(4â€²-thio-Î²-d-ribofuranosyl)-thymine. Biochemical and Biophysical Research Communications, 1992, 184, 797-803.	1.0	20
60	The Prooligonucleotide Approach: Synthesis of Mixed Phosphodiester and SATE Phosphotriester Prooligonucleotides UsingH-Phosphonate and Phosphoramidite Chemistries. European Journal of Organic Chemistry, 1999, 1999, 2353-2358.	1.2	20
61	Electrochemical detection of nucleic acids using pentaferrocenyl phosphoramidate Î±-oligonucleotides. New Journal of Chemistry, 2011, 35, 893.	1.4	20
62	Synthesis of Monoconjugated and Multiply Conjugated Oligonucleotides by â€œClick Thiolâ€• Thiolâ€Michaelâ€Type Additions and by Combination with CuAAC â€œClick Huisgenâ€• European Journal of Organic Chemistry, 2013, 2013, 465-473.	1.2	20
63	Improved Performance of DNA Microarray Multiplex Hybridization Using Probes Anchored at Several Points by Thiolâ€“Ene or Thiolâ€“Yne Coupling Chemistry. Bioconjugate Chemistry, 2017, 28, 496-506.	1.8	20
64	Isotactic Glycero Oligothymidylate. a Convenient Preparation of (R) and (S) 1â€², 2â€²-Seco 2â€²-Nor Thymidine. Nucleosides & Nucleotides, 1992, 11, 1241-1255.	0.5	19
65	Solidâ€Phase Chemical Synthesis of 5â€²â€Triphosphate DNA, RNA, and Chemically Modified Oligonucleotides. Current Protocols in Nucleic Acid Chemistry, 2012, 50, Unit1.28.	0.5	19
66	Development of Innovative and Versatile Polythiol Probes for Use on ELOSA or Electrochemical Biosensors: Application in Hepatitis C Virus Genotyping. Analytical Chemistry, 2013, 85, 9204-9212.	3.2	19
67	Alpha are more stable than beta anomer oligonucleotides in 3T3 cellular extracts. Biochimie, 1988, 70, 1729-1732.	1.3	18
68	A versatile reagent for the synthesis of 5â€²-phosphorylated, 5â€²-thiophosphorylated or 5â€²-phosphoramidate-conjugated oligonucleotides. Tetrahedron Letters, 2006, 47, 8867-8871.	0.7	18
69	Synthesis of branched-phosphodiester and mannose-centered fucosylated glycoclusters and their binding studies with Burkholderia ambifaria lectin (BambL). RSC Advances, 2013, 3, 19515.	1.7	18
70	Polarity of annealing and structural analysis of the RNase H resistant .alpha.-5'-d[TACACA]:.beta.-5'-r[AUGUGU] hybrid determined by high-field proton, carbon-13, and phosphorus-31 NMR analysis. Biochemistry, 1990, 29, 10329-10341.	1.2	17
71	Î±-Oligodeoxynucleotides containing 5-propynyl analogs of Î±-deoxyuridine and Î±-deoxycytidine: Synthesis and base pairing properties. Tetrahedron, 1998, 54, 71-82.	1.0	17
72	Triple, MPEG-Conjugated, Helix-Forming Oligonucleotides (TRIPEGXs):â€‰ Liquid-Phase Synthesis of Natural and Chimeric â€œAll-Purineâ€•Sequences Linked to High Molecular Weight Poly(ethylene glycols). Bioconjugate Chemistry, 2001, 12, 719-725.	1.8	17

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73	Fluoride-Labile Protecting Groups for the Synthesis of Base-Sensitive Methyl-SATE Oligonucleotide Prodrugs. European Journal of Organic Chemistry, 2003, 2003, 2327-2335.	1.2	17
74	Universal Solid Supports for the Synthesis of Oligonucleotides via a Transesterification ofH-phosphonate Diester Linkage. Journal of Organic Chemistry, 2005, 70, 9198-9206.	1.7	17
75	Conformational and Chiral Selection of Oligonucleotides. Chemistry and Biodiversity, 2007, 4, 803-817.	1.0	17
76	5â€²-Bis-conjugation of Oligonucleotides by Amidative Oxidation and Click Chemistry. Journal of Organic Chemistry, 2010, 75, 6689-6692.	1.7	17
77	From Anionic to Cationic Î±â€Anomeric Oligodeoxynucleotides. Chemistry and Biodiversity, 2010, 7, 494-535.	1.0	17
78	Synthesis of Galactoclusters by Metalâ€Free Thiol â€œClick Chemistryâ€•and Their Binding Affinities for Pseudomonas aeruginosa Lectin LecA. European Journal of Organic Chemistry, 2014, 2014, 7621-7630.	1.2	17
79	Sugar-Modified Oligonucleotides: Synthesis, Physicochemical and Biological Properties. Nucleosides, Nucleotides and Nucleic Acids, 1989, 8, 627-648.	0.4	16
80	First synthesis of alternating SATE-phosphotriester/ phosphodiester prooligonucleotides on solid support. Bioorganic and Medicinal Chemistry Letters, 1998, 8, 2913-2918.	1.0	16
81	Kinetics study of the biotransformation of an oligonucleotide prodrug in cells extract by matrix-assisted laser desorptionâ€“ionization time-of-flight mass spectrometry. Biomedical Applications, 2001, 753, 123-130.	1.7	16
82	DNA directed immobilization glycocluster array: applications and perspectives. Current Opinion in Chemical Biology, 2014, 18, 46-54.	2.8	16
83	Boundary between DNA and enantio-DNA as a mimic of B-Z junction. Tetrahedron Letters, 1997, 38, 93-96.	0.7	15
84	Solution-Phase Synthesis of Phosphorothioate Oligonucleotides Using a Solid-Supported Acyl Chloride withH-Phosphonate Chemistry. European Journal of Organic Chemistry, 2006, 2006, 436-448.	1.2	15
85	Heteroâ€Click Conjugation of Oligonucleotides with Glycosides Using Bifunctional Phosphoramidites. European Journal of Organic Chemistry, 2015, 2015, 2921-2927.	1.2	14
86	The prooligonucleotide approach. III: Synthesis and bioreversibility of a chimeric phosphorodithioate prooligonucleotide. Bioorganic and Medicinal Chemistry Letters, 1996, 6, 457-462.	1.0	13
87	The pro-oligonucleotide approach. V: Influence of the phosphorus atom environment on the hydrolysis of enzymolabile dinucleoside phosphotriesters. Bioorganic and Medicinal Chemistry Letters, 1997, 7, 851-854.	1.0	13
88	Liquid-Phase Synthesis and Characterization of a Conjugated Chimeric Oligonucleotide-PEG-Peptide. European Journal of Organic Chemistry, 2002, 2002, 3473-3480.	1.2	13
89	3â€²-Deoxy Phosphoramidate Dinucleosides as Improved Inhibitors of Hepatitis C Virus Subgenomic Replicon and NS5B Polymerase Activity. Journal of Medicinal Chemistry, 2010, 53, 6608-6617.	2.9	13
90	Structure and conformation in solution of the parallel-stranded hybrid Î±-d(CGCAATTCGC)Â·Î²-d(GCGTTAAGCG) by high-resolution 2D NMR. Journal of Biomolecular NMR, 1992, 2, 275-288.	1.6	12

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91	The prooligonucleotide approach: II. Synthesis and stability studies of chimeric oligonucleotide models. Bioorganic and Medicinal Chemistry Letters, 1995, 5, 1441-1444.	1.0	12
92	H-Phosphonate oligonucleotides from phosphoramidite chemistry. Tetrahedron Letters, 2004, 45, 3745-3748.	0.7	12
93	Lewis acid deprotection of silyl-protected oligonucleotides and base-sensitive oligonucleotide analogues. Tetrahedron Letters, 2004, 45, 6287-6290.	0.7	12
94	Phosphoramidate Dinucleosides as Hepatitis C Virus Polymerase Inhibitors. Journal of Medicinal Chemistry, 2008, 51, 5745-5757.	2.9	12
95	Measurement of Enzymatic Activity and Specificity of Human and Avian Influenza Neuraminidases from Whole Virus by Glycoarray and MALDIâ€TOF Mass Spectrometry. ChemBioChem, 2011, 12, 2071-2080.	1.3	12
96	Effects of the Surface Densities of Glycoclusters on the Determination of Their IC₅₀ and K_d Value Determination by Using a Microarray. ChemBioChem, 2015, 16, 2329-2336.	1.3	12
97	Folding of phosphodiester-linked donorâ€“acceptor oligomers into supramolecular nanotubes in water. Chemical Communications, 2021, 57, 4130-4133.	2.2	11
98	Charge-Transfer Interactions Stabilize G-Quadruplex-Forming Thrombin Binding Aptamers and Can Improve Their Anticoagulant Activity. International Journal of Molecular Sciences, 2021, 22, 9510.	1.8	11
99	Comparative Stability of Eight Different Triple Helices Formed by Differently Modified DNA or RNA Pyrimidine Strands and a DNA Hairpin. Oligonucleotides, 1997, 7, 327-334.	4.4	10
100	Use of MALDI-TOF mass spectrometry to monitor solid-phase synthesis of oligonucleotides. Analytical and Bioanalytical Chemistry, 2002, 374, 57-63.	1.9	10
101	SILYL PROTECTING GROUPS FOR OLIGONUCLEOTIDE SYNTHESIS REMOVED BY A ZnBr2 TREATMENT. Nucleosides, Nucleotides and Nucleic Acids, 2005, 24, 1009-1013.	0.4	10
102	Convenient synthesis of N2-isobutyryl-2â€²-O-methyl guanosine by efficient alkylation of O6-trimethylsilylethyl-3â€²,5â€²-di-tert-butylsilanediyl guanosine. Tetrahedron, 2007, 63, 11174-11178.	1.0	10
103	Alpba-Oligodeoxynucleotides as Inhibitors of HIV Reverse Transcriptase. Nucleosides, Nucleotides and Nucleic Acids, 1989, 8, 995-1000.	0.4	9
104	Use of 2-(tert-butyldiphenylsilyloxymethyl) benzoyl as N-protecting group for the synthesis of prooligonucleotides. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 2813-2816.	1.0	9
105	Glycoclusters with Additional Functionalities for Binding to the LecA Lectin from Pseudomonas aeruginosa. ChemistrySelect, 2017, 2, 10420-10427.	0.7	9
106	Rapid and specific DNA detection by magnetic field-enhanced agglutination assay. Talanta, 2020, 219, 121344.	2.9	9
107	The prooligonucleotide approach IV : Synthesis of chimeric prooligonucleotides with 6 enzymolabile masking groups and unexpected desulfurization side reaction. Bioorganic and Medicinal Chemistry Letters, 1997, 7, 263-268.	1.0	8
108	4â€²-Thio-RNA: Synthesis, Base Pairing Properties and Interaction with Dimerization Initiation Site of HIV-1. Nucleosides & Nucleotides, 1999, 18, 1423-1424.	0.5	8

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109	Optimized Synthesis of Functionalized Fluorescent Oligodeoxynucleotides for Protein Labeling. Bioconjugate Chemistry, 2005, 16, 465-470.	1.8	8
110	Click chemistry and Oligonucleotides: How a simple reaction can do so much. Nucleic Acids Symposium Series, 2008, 52, 47-48.	0.3	8
111	Screening of a Library of Oligosaccharides Targeting Lectin LecB of Pseudomonas Aeruginosa and Synthesis of High Affinity Oligoglycoclusters. Molecules, 2018, 23, 3073.	1.7	8
112	Solid Supports for the Synthesis of 3â€²-Aminooxy Deoxy- or Ribo-oligonucleotides and Their 3â€²-Conjugation by Oxime Ligation. Journal of Organic Chemistry, 2019, 84, 14854-14860.	1.7	8
113	Glycoarray by DNA-Directed Immobilization. Methods in Molecular Biology, 2012, 808, 195-219.	0.4	8
114	Î±-DNA. Synthesis, Characterization and Base-Pairing Properties of Unnatural Î±-Oligodeoxyribonucleotides. Nucleosides & Nucleotides, 1987, 6, 471-472.	0.5	7
115	A mild method for fluorescein labeling of base-sensitive oligonucleotides on solid support. Tetrahedron Letters, 2000, 41, 7317-7321.	0.7	7
116	DIRECT MALDI-TOF MS ANALYSIS OF OLIGONUCLEOTIDES ON SOLID SUPPORT THROUGH A PHOTOLABILE LINKER. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 963-966.	0.4	7
117	Deoxygenation of 5-O-benzoyl-1,2-isopropylidene-3-O-imidazolylthiocarbonyl-Î±-d-xylofuranose using dimethyl phosphite: an efficient alternate method towards a 3â€²-deoxynucleoside glycosyl donor. Tetrahedron Letters, 2008, 49, 3288-3290.	0.7	7
118	Synthesis, Biophysical and Biological Evaluations of Novel Antisense Oligonucleosides Containing Dephosphono-Internucleosidic Linkages. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 1087-1090.	0.4	6
119	Use of a solid-supported coupling reagent for a selective phosphitylation of the primary alcohol of N2-isobutyryl-2â€²-deoxy or 2â€²-O-methyl guanosine. Tetrahedron Letters, 2006, 47, 8379-8382.	0.7	6
120	5-Propynylamino Î±-deoxyuridine promotes DNA duplex stabilization of anionic and neutral but not cationic Î±-oligonucleotides. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 951-954.	1.0	6
121	Phthalimideâ€“Oxy Derivatives for 3â€²â€•or 5â€²â€Conjugation of Oligonucleotides by Oxime Ligation and Circularization of DNA by â€œBisâ€•or Trisâ€Clickâ€•Oxime Ligation. European Journal of Organic Chemistry, 2017, 2017, 6931-6941.	1.2	6
122	Rapid determination of the affinity of 28- and 14-mer phosphorothioate oligonucleotides for HIV-1 reverse transcriptase by fluorescence spectroscopy. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1993, 1216, 1-8.	2.4	4
123	The Prooligonucleotide Approach: Synthesis of Mixed SATE-Phosphotriester Phosphodiester Oligonucleotides. Nucleosides & Nucleotides, 1999, 18, 1433-1434.	0.5	4
124	POLYIMIDAZOLE CONJUGATED OLIGONUCLEOTIDES REACH THE NUCLEUS OF HELA CELLS. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 805-808.	0.4	4
125	Triple Helix Forming Î±-Oligonucleotides Containing 5-Methylcytosine and/or 5-Bromouracil. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 975-977.	0.4	3
126	KINETICS STUDY OF THE BIOTRANSFORMATION OF AN OLIGONUCLEOTIDE PRODRUG IN CELLS EXTRACT BY MATRIX-ASSISTED LASER DESORPTION/IONIZATION TIME-OF-FLIGHT MASS SPECTROMETRY. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 1159-1163.	0.4	3

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127	Thermolytic Reagents to Synthesize 5â€²â€•or 3â€²â€•Mono(thio)phosphate Oligodeoxynucleotides or 3â€²â€•modified oligodeoxynucleotides. European Journal of Organic Chemistry, 2019, 2019, 2832-2842.	1.2	3
128	An Innovative Multiplexed and Flexible Molecular Approach for the Differential Detection of Arboviruses. Journal of Molecular Diagnostics, 2019, 21, 81-88.	1.2	3
129	Modified Galactoâ€•or Fucoâ€Clusters Exploiting the Siderophore Pathway to Inhibit the LecAâ€•or LecBâ€Associated Virulence of Pseudomonas aeruginosa. ChemBioChem, 2020, 21, 3433-3448.	1.3	3
130	Diagnostic Performance of a Magnetic Field-Enhanced Agglutination Readout in Detecting Either Viral Genomes or Host Antibodies in Arbovirus Infection. Microorganisms, 2021, 9, 674.	1.6	3
131	Inverse solid phase synthesis of oligonucleotides. , 2008, , .		3
132	Î³-Aminobutyric Acid as Enzymolabile Groups for the Pro-oligonucleotide Approach. Nucleosides & Nucleotides, 1999, 18, 1407-1408.	0.5	2
133	Prooligonucleotides Exhibit Less Serum-Protein Binding Than Phosphodiester and Phosphorothioate Oligonucleotides. Nucleosides, Nucleotides and Nucleic Acids, 2000, 19, 995-1003.	0.4	2
134	Synthesis of Oligonucleotide Prodrugs BearingN-Acetyl Nucleobases. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1243-1245.	0.4	2
135	Carbohydrates as Recognition Receptors in Biosensing Applications. , 2010, , 275-341.		2
136	Synthesis of a Glycomimetic Oligonucleotide Conjugate by 1,3-Dipolar Cycloaddition. Methods in Molecular Biology, 2011, 751, 167-193.	0.4	2
137	Assessment of the Full Compatibility of Copper(I)â€Catalyzed Alkyneâ€Azide Cycloaddition and Oxime Click Reactions for bisâ€Labelling of Oligonucleotides. ChemistryOpen, 2015, 4, 169-173.	0.9	2
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