

Jean-Jacques Vasseur

List of Publications by Year in descending order

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226
papers

6,774
citations

81434

41
h-index

107981

68
g-index

254
all docs

254
docs citations

254
times ranked

7103
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible methylation of m6Am in the 5' cap controls mRNA stability. <i>Nature</i> , 2017, 541, 371-375.	13.7	797
2	FTO controls reversible m6Am RNA methylation during snRNA biogenesis. <i>Nature Chemical Biology</i> , 2019, 15, 340-347.	3.9	192
3	Microwave Assisted "Click" Chemistry for the Synthesis of Multiple Labeled-Carbohydrate Oligonucleotides on Solid Support. <i>Journal of Organic Chemistry</i> , 2006, 71, 4700-4702.	1.7	188
4	Identification of the m6Am Methyltransferase PCIF1 Reveals the Location and Functions of m6Am in the Transcriptome. <i>Molecular Cell</i> , 2019, 75, 631-643.e8.	4.5	183
5	Recent developments in alkyne borylations. <i>Tetrahedron</i> , 2014, 70, 8431-8452.	1.0	172
6	DNA-Based Carbohydrate Biochips: A Platform for Surface Glyco-Engineering. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2398-2402.	7.2	138
7	Boron and nucleic acid chemistries: merging the best of both worlds. <i>Chemical Society Reviews</i> , 2013, 42, 5684.	18.7	112
8	Three-Component Reaction Using the Bestmann–Ohira Reagent: A Regioselective Synthesis of Phosphonyl Pyrazole Rings. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3196-3199.	7.2	109
9	Zika Virus Methyltransferase: Structure and Functions for Drug Design Perspectives. <i>Journal of Virology</i> , 2017, 91, .	1.5	109
10	La-related protein 1 (LARP1) repression of TOP mRNA translation is mediated through its cap-binding domain and controlled by an adjacent regulatory region. <i>Nucleic Acids Research</i> , 2018, 46, 1457-1469.	6.5	103
11	Oligonucleosides: synthesis of a novel methylhydroxylamine-linked nucleoside dimer and its incorporation into antisense sequences. <i>Journal of the American Chemical Society</i> , 1992, 114, 4006-4007.	6.6	102
12	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> , 2007, 18, 1637-1643.	1.8	96
13	Synthesis of Mannose and Galactose Oligonucleotide Conjugates by Bi-click chemistry. <i>Journal of Organic Chemistry</i> , 2009, 74, 1218-1222.	1.7	84
14	FTO-mediated cytoplasmic m6Am demethylation adjusts stem-like properties in colorectal cancer cell. <i>Nature Communications</i> , 2021, 12, 1716.	5.8	83
15	A Base-Labile Group for 2'-OH Protection of Ribonucleosides: A Major Challenge for RNA Synthesis. <i>Chemistry - A European Journal</i> , 2008, 14, 9135-9138.	1.7	78
16	New Strategies for Cyclization and Bicyclization of Oligonucleotides by Click Chemistry Assisted by Microwaves. <i>Journal of Organic Chemistry</i> , 2008, 73, 191-200.	1.7	76
17	DNA vs. Mirror-Image DNA: A Universal Approach to Tune the Absolute Configuration in DNA-Based Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11546-11549.	7.2	76
18	Cap-proximal nucleotides via differential eIF4E binding and alternative promoter usage mediate translational response to energy stress. <i>ELife</i> , 2017, 6, .	2.8	75

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19	Azide Solid Support for 3'-Conjugation of Oligonucleotides and Their Circularization by Click Chemistry. <i>Journal of Organic Chemistry</i> , 2009, 74, 6837-6842.	1.7	70
20	Design of Triazole-Ethered Glycoclusters Exhibiting Three Different Spatial Arrangements and Comparative Study of their Affinities towards PA-L and RCA 120 by Using a DNA-Based Glycoarray. <i>ChemBioChem</i> , 2009, 10, 1369-1378.	1.3	69
21	Oligonucleotide Mimics for Antisense Therapeutics: A Solution Phase and Automated Solid-Support Synthesis of MMI Linked Oligomers. <i>Journal of the American Chemical Society</i> , 1996, 118, 255-256.	6.6	67
22	Molecular Basis for Nucleotide Conservation at the Ends of the Dengue Virus Genome. <i>PLoS Pathogens</i> , 2012, 8, e1002912.	2.1	66
23	Binding of the Methyl Donor S-Adenosyl-Methionine to Middle East Respiratory Syndrome Coronavirus 2'-O-Methyltransferase nsp16 Promotes Recruitment of the Allosteric Activator nsp10. <i>Journal of Virology</i> , 2017, 91, .	1.5	61
24	Amine-Guanidine Switch: A Promising Approach to Improve DNA Binding and Antiproliferative Activities. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 6465-6475.	2.9	57
25	Efficient Solid-Phase Chemical Synthesis of 5'-Triphosphates of DNA, RNA, and their Analogues. <i>Organic Letters</i> , 2010, 12, 2190-2193.	2.4	56
26	Synthesis of adenine dinucleosides SAM analogs as specific inhibitors of SARS-CoV nsp14 RNA cap guanine-N7-methyltransferase. <i>European Journal of Medicinal Chemistry</i> , 2020, 201, 112557.	2.6	56
27	Impact of the Guanidinium Group on Hybridization and Cellular Uptake of Cationic Oligonucleotides. <i>ChemBioChem</i> , 2006, 7, 684-692.	1.3	54
28	Chemical Modifications to Improve the Cellular Uptake of Oligonucleotides. <i>Current Topics in Medicinal Chemistry</i> , 2007, 7, 727-737.	1.0	53
29	mRNA Capping by Venezuelan Equine Encephalitis Virus nsP1: Functional Characterization and Implications for Antiviral Research. <i>Journal of Virology</i> , 2015, 89, 8292-8303.	1.5	52
30	Synthesis of a Library of Fucosylated Glycoclusters and Determination of their Binding toward <i>Pseudomonas aeruginosa</i> Lectin B (PA-IL) Using a DNA-Based Carbohydrate Microarray. <i>Bioconjugate Chemistry</i> , 2012, 23, 1534-1547.	1.8	51
31	Design, Synthesis, and Binding Affinity Evaluation of Hoechst 33258 Derivatives for the Development of Sequence-Specific DNA-Based Asymmetric Catalysts. <i>ACS Catalysis</i> , 2016, 6, 3096-3105.	5.5	51
32	X-ray structure and activities of an essential Mononegavirales L-protein domain. <i>Nature Communications</i> , 2015, 6, 8749.	5.8	49
33	Dynamic and Programmable DNA-Templated Boronic Ester Formation. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4193-4196.	7.2	48
34	Straightforward synthesis of triazoloacyclonucleotide phosphonates as potential HCV inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 7365-7368.	1.0	47
35	Regioselective Synthesis of 3-Carbo-5-phosphonylpyrazoles through a One-Pot Claisen-Schmidt/1,3-Dipolar Cycloaddition/Oxidation Sequence. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3184-3190.	1.2	47
36	Synthesis of 5' cap-0 and cap-1 RNAs using solid-phase chemistry coupled with enzymatic methylation by human (guanine-N ⁷)-methyl transferase. <i>Rna</i> , 2012, 18, 856-868.	1.6	47

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37	Photocleavable Protecting Groups as Nucleobase Protections Allowed the Solid-Phase Synthesis of Base-Sensitive SATE-Prooligonucleotides. <i>Journal of Organic Chemistry</i> , 1999, 64, 6319-6328.	1.7	45
38	Expanding the boronucleotide family: synthesis of borono-analogues of dCMP, dGMP and dAMP. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 4369.	1.5	45
39	Ecological catalysis and phytoextraction: Symbiosis for future. <i>Applied Catalysis B: Environmental</i> , 2014, 146, 279-288.	10.8	45
40	Oligonucleotide Carbohydrate-Centered Galactosyl Cluster Conjugates Synthesized by Click and Phosphoramidite Chemistries. <i>Bioconjugate Chemistry</i> , 2010, 21, 1520-1529.	1.8	43
41	Toward the identification of viral cap-methyltransferase inhibitors by fluorescence screening assay. <i>Antiviral Research</i> , 2017, 144, 330-339.	1.9	43
42	First Evaluation of Acyloxymethyl or Acylthiomethyl Groups as Biolabile 2'-O-Protections of RNA. <i>Organic Letters</i> , 2006, 8, 3869-3872.	2.4	42
43	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, 2515-2521.	5.3	42
44	Boronucleotides: synthesis, and formation of a new reversible boronate internucleosidic linkage. <i>Chemical Communications</i> , 2008, , 2352.	2.2	41
45	Oligonucleotide Sequential Bis-Conjugation via Click [®] Oxime and Click [®] Huisgen Procedures. <i>Journal of Organic Chemistry</i> , 2010, 75, 3927-3930.	1.7	39
46	The methyltransferase domain of the Sudan ebolavirus L protein specifically targets internal adenosines of RNA substrates, in addition to the cap structure. <i>Nucleic Acids Research</i> , 2018, 46, 7902-7912.	6.5	39
47	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, 6014-6017.	1.7	38
48	Synthesis and biological activity of some 4-substituted 1-[1-(2,3-dihydroxy-1-propoxy)methyl-1,2,3-triazol-(4 & 5)-ylmethyl]-1H-pyrazolo[3,4-d]pyrimidines. <i>Il Farmaco</i> , 2002, 57, 27-32.	0.9	36
49	Cationic phosphoramidate α -oligonucleotides efficiently target single-stranded DNA and RNA and inhibit hepatitis C virus IRES-mediated translation. <i>Nucleic Acids Research</i> , 2003, 31, 5282-5290.	6.5	36
50	<i>Bacillus subtilis</i> RNA deprotection enzyme RppH recognizes guanosine in the second position of its substrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8858-8863.	3.3	36
51	Structure Binding Relationship of Galactosylated Glyoclusters toward <i>Pseudomonas aeruginosa</i> Lectin LecA Using a DNA-Based Carbohydrate Microarray. <i>Bioconjugate Chemistry</i> , 2014, 25, 379-392.	1.8	36
52	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.	4.0	36
53	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, 1917-1927.	1.8	35
54	Mannose-centered aromatic galactoclusters inhibit the biofilm formation of <i>Pseudomonas aeruginosa</i> . <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8433-8444.	1.5	35

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55	Modified internucleoside linkages for nuclease-resistant oligonucleotides. <i>RSC Chemical Biology</i> , 2021, 2, 94-150.	2.0	35
56	Use of inter-proton nuclear Overhauser effects to assign the nuclear magnetic resonance spectra of oligodeoxynucleotide and hybrid duplexes in aqueous solution. <i>FEBS Journal</i> , 1983, 135, 307-314.	0.2	34
57	Synthesis of Homo- and Heterofunctionalized Glycoclusters and Binding to <i>Pseudomonas aeruginosa</i> Lectins PA-IL and PA-III. <i>Journal of Organic Chemistry</i> , 2012, 77, 7620-7626.	1.7	34
58	DNA-cellulose: an economical, fully recyclable and highly effective chiral biomaterial for asymmetric catalysis. <i>Chemical Communications</i> , 2015, 51, 6076-6079.	2.2	33
59	Characterization of specific noncovalent complexes between guanidinium derivatives and single-stranded DNA by MALDI. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 283-291.	1.2	32
60	Selective fluorescence-based detection of dihydrouridine with boronic acids. <i>Tetrahedron Letters</i> , 2006, 47, 9253-9256.	0.7	31
61	Synthesis, thermal stability and reactivity towards 9-aminoellipticine of double-stranded oligonucleotides containing a true abasic site. <i>Nucleic Acids Research</i> , 1989, 17, 10307-10319.	6.5	30
62	Î-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, 7008-7014.	1.4	29
63	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, 11785-11794.	1.7	29
64	Structure of the adduct formed between 3-aminocarbazole and the apurinic site oligonucleotide model d[Tp(Ap)pT]. <i>Journal of Organic Chemistry</i> , 1987, 52, 4994-4998.	1.7	28
65	Specific recognition of lectins by oligonucleotide glycoconjugates and sorting on a DNA microarray. <i>Chemical Communications</i> , 2009, , 6795.	2.2	28
66	Quantitative analysis (Kd and IC50) of glycoconjugates interactions with a bacterial lectin on a carbohydrate microarray with DNA Direct Immobilization (DDI). <i>Biosensors and Bioelectronics</i> , 2013, 40, 153-160.	5.3	28
67	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, 9166-9179.	1.5	28
68	An efficient reagent for 5'-azido oligonucleotide synthesis. <i>Tetrahedron Letters</i> , 2007, 48, 8795-8798.	0.7	27
69	NIS-promoted guanylation of amines. <i>Tetrahedron Letters</i> , 2009, 50, 1463-1465.	0.7	27
70	High-Yield Solution-Phase Synthesis of Di- and Trinucleotide Blocks Assisted by Polymer-Supported Reagents. <i>Organic Letters</i> , 2005, 7, 3485-3488.	2.4	26
71	Intermolecular radical C1-C bond formation: Synthesis of a novel dinucleoside linker for non-anionic antisense oligonucleosides. <i>Tetrahedron Letters</i> , 1992, 33, 2645-2648.	0.7	25
72	Synthesis of new N-isobutyryl-l-cysteine/MEA conjugates: Evaluation of their free radical-scavenging activities and anti-HIV properties in human macrophages. <i>Bioorganic Chemistry</i> , 2008, 36, 133-140.	2.0	25

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73	Detection of short ssDNA and dsDNA by current-voltage measurements using conical nanopores coated with Al ₂ O ₃ by atomic layer deposition. <i>Mikrochimica Acta</i> , 2016, 183, 1011-1017.	2.5	25
74	Stimuli-responsive oligonucleotides in prodrug-based approaches for gene silencing. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 436-469.	1.3	25
75	Use of Allylic Protecting Groups for the Synthesis of Base-Sensitive Proligonucleotides. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 49-56.	1.2	24
76	DNA glycoclusters and DNA-based carbohydrate microarrays: From design to applications. <i>RSC Advances</i> , 2012, 2, 12043.	1.7	24
77	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, 11244-11254.	1.5	24
78	A rational quest for selectivity through precise ligand-positioning in tandem DNA-catalysed Friedel-Crafts alkylation/asymmetric protonation. <i>Chemical Science</i> , 2019, 10, 2875-2881.	3.7	24
79	Potent Inhibition of SARS-CoV-2 nsp14 N7-Methyltransferase by Sulfonamide-Based Bisubstrate Analogues. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 6231-6249.	2.9	24
80	Boronic acid-based fluorescent receptors for selective recognition of thymine glycol. <i>Tetrahedron Letters</i> , 2008, 49, 6075-6078.	0.7	23
81	Synthesis and Preliminary Evaluation of pro-RNA 2'-O-Masked with Biolabile Pivaloyloxymethyl Groups in an RNA Interference Assay. <i>Journal of Organic Chemistry</i> , 2011, 76, 5719-5731.	1.7	23
82	DNA-Templated [2+2] Photocycloaddition: A Straightforward Entry into the Aplysinopsin Family of Natural Products. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11786-11791.	7.2	23
83	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.	2.0	23
84	Design, Synthesis and Characterization of Cyclic NU172 Analogues: A Biophysical and Biological Insight. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3860.	1.8	23
85	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.	2.2	22
86	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.	1.2	22
87	Expanding biohybrid-mediated asymmetric catalysis into the realm of RNA. <i>Chemical Communications</i> , 2016, 52, 8604-8607.	2.2	22
88	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.	1.3	22
89	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.	2.8	22
90	Stability Is Not Everything: The Case of the Cyclisation of a Thrombin-Binding Aptamer. <i>ChemBioChem</i> , 2019, 20, 1789-1794.	1.3	22

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91	Assessment of new 2'-O-acetalester protecting groups for regular RNA synthesis and original 2'-modified proRNA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 4046-4049.	1.0	21
92	pH-controlled DNA- and RNA-templated assembly of short oligomers. <i>Chemical Science</i> , 2015, 6, 542-547.	3.7	21
93	Efficient guanidination of the phosphate linkage towards cationic phosphoramidate oligonucleotides. <i>Tetrahedron Letters</i> , 2003, 44, 6579-6582.	0.7	20
94	Electrochemical detection of nucleic acids using pentaferrocenyl phosphoramidate \pm -oligonucleotides. <i>New Journal of Chemistry</i> , 2011, 35, 893.	1.4	20
95	Synthesis of Monoconjugated and Multiply Conjugated Oligonucleotides by α -Click Thiol-Michael-Type Additions and by Combination with CuAAC α -Click Huisgen γ . <i>European Journal of Organic Chemistry</i> , 2013, 2013, 465-473.	1.2	20
96	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.	1.8	20
97	Machine Learning to Improve the Sensing of Biomolecules by Conical Track-Etched Nanopore. <i>Biosensors</i> , 2020, 10, 140.	2.3	20
98	An easy access of 2',3'-dideoxy-3'-C-formyl-adenosine and -guanosine analogs via stereoselective C=C bond forming radical reaction. <i>Tetrahedron Letters</i> , 1994, 35, 4697-4700.	0.7	19
99	Matrix-assisted laser desorption/ionization mass spectrometric analysis of polysulfated-derived oligosaccharides using pyrenemethylguanidine. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 131-137.	1.2	19
100	Solid-Phase Chemical Synthesis of 5'-Triphosphate DNA, RNA, and Chemically Modified Oligonucleotides. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2012, 50, Unit1.28.	0.5	19
101	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, 9204-9212.	3.2	19
102	Bis-benzoxaboroles: Design, Synthesis, and Biological Evaluation as Carbonic Anhydrase Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 1205-1210.	1.3	19
103	A versatile reagent for the synthesis of 5'-phosphorylated, 5'-thiophosphorylated or 5'-phosphoramidate-conjugated oligonucleotides. <i>Tetrahedron Letters</i> , 2006, 47, 8867-8871.	0.7	18
104	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.	1.7	18
105	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. <i>Biochemistry</i> , 1990, 29, 10329-10341.	1.2	17
106	Highly Stable DNA Triplexes Formed with Cationic Phosphoramidate Pyrimidine \pm -Oligonucleotides. <i>ChemBioChem</i> , 2005, 6, 1254-1262.	1.3	17
107	Universal Solid Supports for the Synthesis of Oligonucleotides via a Transesterification of H-phosphonate Diester Linkage. <i>Journal of Organic Chemistry</i> , 2005, 70, 9198-9206.	1.7	17
108	Conformational and Chiral Selection of Oligonucleotides. <i>Chemistry and Biodiversity</i> , 2007, 4, 803-817.	1.0	17

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109	5â€²-Bis-conjugation of Oligonucleotides by Amidative Oxidation and Click Chemistry. <i>Journal of Organic Chemistry</i> , 2010, 75, 6689-6692.	1.7	17
110	From Anionic to Cationic α -Anomeric Oligodeoxynucleotides. <i>Chemistry and Biodiversity</i> , 2010, 7, 494-535.	1.0	17
111	Synthesis of Galactoclusters by Metal-Free Thiol α -Click Chemistry and Their Binding Affinities for <i>Pseudomonas aeruginosa</i> Lectin LecA. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7621-7630.	1.2	17
112	Synthesis and incorporation of methyleneoxy(methylimino) linked thymidine dimer into antisense oligonucleosides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1992, 2, 1479-1482.	1.0	16
113	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, 123-130.	1.7	16
114	DNA directed immobilization glycocluster array: applications and perspectives. <i>Current Opinion in Chemical Biology</i> , 2014, 18, 46-54.	2.8	16
115	RNase H-Assisted Imaging of Peroxynitrite in Living Cells with 5â€²-Boronic Acid Modified DNA. <i>ACS Sensors</i> , 2016, 1, 970-974.	4.0	16
116	Conjugation of Doxorubicin to siRNA Through Disulfide-based Self-immolative Linkers. <i>Molecules</i> , 2020, 25, 2714.	1.7	16
117	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.	1.2	15
118	Metallophyte wastes and polymetallic catalysis: a promising combination in green chemistry. The illustrative synthesis of 5â€²-capped RNA. <i>RSC Advances</i> , 2013, 3, 5204.	1.7	15
119	DNA-templated boronucleic acid self assembly: a study of minimal complexity. <i>RSC Advances</i> , 2015, 5, 105587-105591.	1.7	15
120	A versatile post-synthetic method on a solid support for the synthesis of RNA containing reduction-responsive modifications. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7010-7017.	1.5	15
121	Dramatic effect of the anomeric configuration on the thermal stability of duplex formed between novel dodecathymidine phosphoramidate (PNH2) and complementary DNA and RNA strands. <i>Tetrahedron Letters</i> , 1996, 37, 5869-5872.	0.7	14
122	Toward high yield synthesis of peptide-oligonucleotide chimera through a disulfide bridge: A simplified method for oligonucleotide activation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 5084-5087.	1.0	14
123	Hetero-Click Conjugation of Oligonucleotides with Glycosides Using Bifunctional Phosphoramidites. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2921-2927.	1.2	14
124	RNA-based boronate internucleosidic linkages: an entry into reversible templated ligation and loop formation. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8824-8830.	1.5	14
125	First insights into the structural features of Ebola virus methyltransferase activities. <i>Nucleic Acids Research</i> , 2021, 49, 1737-1748.	6.5	14
126	2-Amino- β -deoxyadenosine increased duplex stability of methoxyethylphosphoramidate β -Oligodeoxynucleotides with RNA target. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 1435-1438.	1.0	13

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127	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, 6608-6617.	2.9	13
128	Unsaturated 2-Acylimidazoles in Asymmetric Biohybrid Catalysis. <i>ChemCatChem</i> , 2019, 11, 5686-5704.	1.8	13
129	H-Phosphonate oligonucleotides from phosphoramidite chemistry. <i>Tetrahedron Letters</i> , 2004, 45, 3745-3748.	0.7	12
130	Lewis acid deprotection of silyl-protected oligonucleotides and base-sensitive oligonucleotide analogues. <i>Tetrahedron Letters</i> , 2004, 45, 6287-6290.	0.7	12
131	Phosphoramidate Dinucleosides as Hepatitis C Virus Polymerase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5745-5757.	2.9	12
132	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, 2071-2080.	1.3	12
133	Effects of the Surface Densities of Glycoclusters on the Determination of Their IC ₅₀ and K _d Value Determination by Using a Microarray. <i>ChemBioChem</i> , 2015, 16, 2329-2336.	1.3	12
134	An Entry of the Chemoselective Sulfo-Click Reaction into the Sphere of Nucleic Acids. <i>Organic Letters</i> , 2020, 22, 1914-1918.	2.4	12
135	The C-Terminal Domain of the Sudan Ebolavirus L Protein Is Essential for RNA Binding and Methylation. <i>Journal of Virology</i> , 2020, 94, .	1.5	12
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