Ramon Eritja

List of Publications by Year
in descending order

400 papers	12,527 citations	28190 55 h-index	46693 89 g-index
448 all docs	448 docs citations	448 times ranked	11590 citing authors

#	Article	IF	Citations
1	Carbon nanotubes with DNA recognition. Nature, 2002, 420, 761-761.	13.7	490
2	Base pairing and mutagenesis: observation of a protonated base pair between 2-aminopurine and cytosine in an oligonucleotide by proton NMR.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 5434-5438.	3.3	223
3	Biochemical basis of SOS-induced mutagenesis in Escherichia coli: Reconstitution of in vitro lesion bypass dependent on the UmuD'2C mutagenic complex and RecA protein. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 9755-9760.	3.3	202
4	Crystal structure of a DNA Holliday junction. Nature Structural Biology, 1999, 6, 913-917.	9.7	196
5	Nucleotide insertion kinetics opposite abasic lesions in DNA.. Journal of Biological Chemistry, 1987, 262, 6864-6870.	1.6	195
6	Label-Free DNA Biosensors Based on Functionalized Carbon Nanotube Field Effect Transistors. Nano Letters, 2009, 9, 530-536.	4.5	173
7	Spectroscopic and Calorimetric Characterizations of DNA Duplexes Containing 2-Aminopurineâ€. Biochemistry, 1996, 35, 12329-12337.	1.2	172
8	Small interfering RNAs (siRNAs) in cancer therapy: a nano-based approach . International Journal of Nanomedicine, 2019, Volume 14, 3111-3128.	3.3	167
9	Abasic Translesion Synthesis by DNA Polymerase Î² Violates the â€œA-ruleâ€• Journal of Biological Chemistry, 1997, 272, 2559-2569.	1.6	162
10	Biofunctionalization of Silica-Coated CdTe and Gold Nanocrystals. Nano Letters, 2002, 2, 1363-1367.	4.5	161
11	Nucleotide insertion kinetics opposite abasic lesions in DNA. Journal of Biological Chemistry, 1987, 262, 6864-70.	1.6	160
12	Fundamental aspects of the nucleic acid i-motif structures. RSC Advances, 2014, 4, 26956-26980.	1.7	151
13	The structure of plasmid-encoded transcriptional repressor CopG unliganded and bound to its operator. EMBO Journal, 1998, 17, 7404-7415.	3.5	150
14	Water-Soluble Carbosilane Dendrimers: Synthesis Biocompatibility and Complexation with Oligonucleotides; Evaluation for Medical Applications. Chemistry - A European Journal, 2007, 13, 483-495.	1.7	149
15	A novel p34cdc2-binding and activating protein that is necessary and sufficient to trigger G2/M progression in Xenopus oocytes. Genes and Development, 1999, 13, 2177-2189.	2.7	146
16	Efficient Self-Assembly in Water of Long Noncovalent Polymers by Nucleobase Analogues. Journal of the American Chemical Society, 2013, 135, 2447-2450.	6.6	143
17	Boronic acid-modified alginate enables direct formation of injectable, self-healing and multistimuli-responsive hydrogels. Chemical Communications, 2017, 53, 3350-3353.	2.2	139
18	Magnetically Trigged Direct Electrochemical Detection of DNA Hybridization Using Au67Quantum Dot as Electrical Tracer. Langmuir, 2005, 21, 9625-9629.	1.6	133

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19	A novel cationic niosome formulation for gene delivery to the retina. Journal of Controlled Release, 2014, 174, 27-36.	4.8	128
20	Biodegradable liposome-encapsulated hydrogels for biomedical applications: a marriage of convenience. Biomaterials Science, 2016, 4, 555-574.	2.6	125
21	Diketopiperazine formation in solid phase peptide synthesis using p-alkoxybenzyl ester resins and Fmoc-amino acids. Tetrahedron Letters, 1986, 27, 743-746.	0.7	124
22	Pre-Steady-State Kinetic Analysis of Sequence-Dependent Nucleotide Excision by the 3'-Exonuclease Activity of Bacteriophage T4 DNA Polymerase. Biochemistry, 1994, 33, 7576-7586.	1.2	121
23	Thrombin Binding Aptamer, More than a Simple Aptamer: Chemically Modified Derivatives and Biomedical Applications. Current Pharmaceutical Design, 2012, 18, 2036-2047.	0.9	118
24	Impact of Methylation on the Physical Properties of DNA. Biophysical Journal, 2012, 102, 2140-2148.	0.2	118
25	Synthesis and properties of oligonucleotides containing 2â€²-deoxynebularine and 2â€²-deoxyxanthosine. Nucleic Acids Research, 1986, 14, 8135-8153.	6.5	113
26	Transgenic Rice Plants Expressing the Antifungal AFP Protein from Aspergillus Giganteus Show Enhanced Resistance to the Rice Blast Fungus Magnaporthe Grisea. Plant Molecular Biology, 2004, 54, 245-259.	2.0	113
27	An abasic site in DNA. Solution conformation determined by proton NMR and molecular mechanics calculations. Nucleic Acids Research, 1987, 15, 8003-8022.	6.5	111
28	Purification and characterization of an inducible Escherichia coli DNA polymerase capable of insertion and bypass at abasic lesions in DNA.. Journal of Biological Chemistry, 1988, 263, 18946-18952.	1.6	111
29	Three-dimensional crystal structure of the A-tract DNA dodecamer d(CGCAAATTTGCG) complexed with the minor-groove-binding drug Hoechst 33258. FEBS Journal, 1994, 222, 721-726.	0.2	105
30	Processive DNA synthesis by DNA polymerase II mediated by DNA polymerase III accessory proteins. Journal of Biological Chemistry, 1992, 267, 11431-8.	1.6	103
31	Synthesis and properties of defined DNA oligomers containing base mispairs involving 2-aminopurine. Nucleic Acids Research, 1986, 14, 5869-5884.	6.5	102
32	Purification and characterization of an inducible Escherichia coli DNA polymerase capable of insertion and bypass at abasic lesions in DNA. Journal of Biological Chemistry, 1988, 263, 18946-52.	1.6	97
33	An aptamer-gated silica mesoporous material for thrombin detection. Chemical Communications, 2013, 49, 5480.	2.2	89
34	Ionization of bromouracil and fluorouracil stimulates base mispairing frequencies with guanine. Journal of Biological Chemistry, 1993, 268, 15935-15943.	1.6	89
35	DNA-Controlled Assembly of Protein-Modified Gold Nanocrystals. Journal of Physical Chemistry B, 2003, 107, 470-477.	1.2	87
36	Inhibition of human immunodeficiency virus by using an oligonucleoside methylphosphonate targeted to the tat-3 gene. Journal of Virology, 1988, 62, 3914-3917.	1.5	86

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37	Synthesis of defined peptide-oligonucleotide hybrids containing a nuclear transport signal sequence.. Tetrahedron, 1991, 47, 4113-4120.	1.0	84
38	Î±,Î³-Peptide Nanotube Templating of One-Dimensional Parallel Fullerene Arrangements. Journal of the American Chemical Society, 2009, 131, 11335-11337.	6.6	81
39	On the use of s-t-butylsulphenyl group for protection of cysteine in solid-phase peptide synthesis using fmoc-amino acids. Tetrahedron, 1987, 43, 2675-2680.	1.0	77
40	Additional Binding Sites for Anionic Phospholipids and Calcium Ions in the Crystal Structures of Complexes of the C2 Domain of Protein Kinase CÎ±. Journal of Molecular Biology, 2002, 320, 277-291.	2.0	74
41	Ionized and wobble base-pairing for bromouracil-guanine in equilibrium under physiological conditions. Journal of Molecular Biology, 1989, 205, 437-447.	2.0	73
42	Phosphorylation of maize RAB-17 protein by casein kinase 2. Journal of Biological Chemistry, 1991, 266, 22510-4.	1.6	73
43	Equilibrium between a wobble and ionized base pair formed between fluorouracil and guanine in DNA as studied by proton and fluorine NMR.. Journal of Biological Chemistry, 1988, 263, 14794-14801.	1.6	71
44	<scp>siRNA</scp> and <scp>RNAi</scp> optimization. Wiley Interdisciplinary Reviews RNA, 2016, 7, 316-329.	3.2	67
45	Exonucleaseâ˜Polymerase Active Site Partitioning of Primerâ˜Template DNA Strands and Equilibrium Mg2+ Binding Properties of Bacteriophage T4 DNA Polymerase. Biochemistry, 1998, 37, 10144-10155.	1.2	66
46	Toward an ICPMS-Linked DNA Assay Based on Gold Nanoparticles Immunoconnected through Peptide Sequences. Analytical Chemistry, 2005, 77, 6500-6503.	3.2	66
47	Selective depletion of metastatic stem cells as therapy for human colorectal cancer. EMBO Molecular Medicine, 2018, 10, .	3.3	64
48	Aminoâ€acids condensations in the preparation of NÎ±â€9â€fluorenylrnethyloxycarbonylaminoâ€acids with 9â€fluorenylmethylchloroformate. International Journal of Peptide and Protein Research, 1983, 22, 125-128.	0.1	63
49	Ionization of bromouracil and fluorouracil stimulates base mispairing frequencies with guanine. Journal of Biological Chemistry, 1993, 268, 15935-43.	1.6	63
50	â€œAction-at-a-Distanceâ€•Mutagenesis. Journal of Biological Chemistry, 1999, 274, 15920-15926.	1.6	60
51	Abasic frameshift in DNA. Solution conformation determined by proton NMR and molecular mechanics calculations. Biochemistry, 1989, 28, 2018-2026.	1.2	59
52	NMR Study of the Conformation of the 2-Aminopurine:Cytosine Mismatch in DNAâ€. Biochemistry, 1996, 35, 4026-4033.	1.2	59
53	The influence of the polar head-group of synthetic cationic lipids on the transfection efficiency mediated by niosomes in rat retina and brain. Biomaterials, 2016, 77, 267-279.	5.7	59
54	Cationic Niosomes as Non-Viral Vehicles for Nucleic Acids: Challenges and Opportunities in Gene Delivery. Pharmaceutics, 2019, 11, 50.	2.0	59

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55	Nucleic Acid Triple Helices: Stability Effects of Nucleobase Modifications. Current Organic Chemistry, 2002, 6, 1333-1368.	0.9	59
56	Structure of Triplex DNA in the Gas Phase. Journal of the American Chemical Society, 2012, 134, 6596-6606.	6.6	56
57	Water-soluble carbosilane dendrimers protect phosphorothioate oligonucleotides from binding to serum proteins. Organic and Biomolecular Chemistry, 2007, 5, 1886-1893.	1.5	55
58	Novel non-viral gene delivery systems composed of carbosilane dendron functionalized nanoparticles prepared from nano-emulsions as non-viral carriers for antisense oligonucleotides. International Journal of Pharmaceutics, 2015, 478, 113-123.	2.6	55
59	Kinetics of deoxyribonucleotide insertion and extension at abasic template lesions in different sequence contexts using HIV-1 reverse transcriptase.. Journal of Biological Chemistry, 1993, 268, 23567-23572.	1.6	55
60	DNA Origami as a DNA Repair Nanosensor at the Singleâ€Molecule Level. Angewandte Chemie - International Edition, 2013, 52, 7747-7750.	7.2	54
61	Covalent Strategies for Targeting Messenger and Non-Coding RNAs: An Updated Review on siRNA, miRNA and antimiR Conjugates. Genes, 2018, 9, 74.	1.0	54
62	Label-free electrochemical DNA sensor using â€œclickâ€•functionalized PEDOT electrodes. Biosensors and Bioelectronics, 2015, 74, 751-756.	5.3	52
63	Solution equilibria of the i-motif-forming region upstream of the B-cell lymphoma-2 P1 promoter. Biochimie, 2007, 89, 1562-1572.	1.3	51
64	Stepwise solid-phase synthesis of oligonucleotide-peptide hybrids. Tetrahedron Letters, 1994, 35, 2733-2736.	0.7	50
65	Preparation and Evaluation of Tumor-Targeting Peptideâ^'Oligonucleotide Conjugates. Bioconjugate Chemistry, 2000, 11, 855-860.	1.8	50
66	Magnetic Gel Composites for Hyperthermia Cancer Therapy. Gels, 2015, 1, 135-161.	2.1	50
67	Niosomes based on synthetic cationic lipids for gene delivery: the influence of polar head-groups on the transfection efficiency in HEK-293, ARPE-19 and MSC-D1 cells. Organic and Biomolecular Chemistry, 2015, 13, 1068-1081.	1.5	50
68	Highly Polar Carbohydrates Stack onto DNA Duplexes via CH/Ï€ Interactions. Journal of the American Chemical Society, 2011, 133, 1909-1916.	6.6	49
69	Influence of pH, temperature and the cationic porphyrin TMPyP4 on the stability of the i-motif formed by the 5â€²-(C3TA2)4-3â€² sequence of the human telomere. International Journal of Biological Macromolecules, 2011, 49, 729-736.	3.6	49
70	Alginate Hydrogels as Scaffolds and Delivery Systems to Repair the Damaged Spinal Cord. Biotechnology Journal, 2019, 14, e1900275.	1.8	49
71	Self-assembled G-quadruplex nanostructures: AFM and voltammetric characterization. Physical Chemistry Chemical Physics, 2013, 15, 9117.	1.3	48
72	Synthesis and Binding Properties of Oligonucleotides Carrying Nuclear Localization Sequences. Bioconjugate Chemistry, 1999, 10, 1005-1012.	1.8	47

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73	Analysis of Interaction between Dendriplexes and Bovine Serum Albumin. Biomacromolecules, 2007, 8, 2059-2062.	2.6	47
74	Study of the interaction between the G-quadruplex-forming thrombin-binding aptamer and the porphyrin 5,10,15,20-tetrakis-(N-methyl-4-pyridyl)-21,23H-porphyrin tetratosylate. Analytical Biochemistry, 2008, 379, 8-15.	1.1	46
75	Kinetics of deoxyribonucleotide insertion and extension at abasic template lesions in different sequence contexts using HIV-1 reverse transcriptase. Journal of Biological Chemistry, 1993, 268, 23567-72.	1.6	46
76	Active site properties of monomeric triosephosphate isomerase (monoTIM) as deduced from mutational and structural studies. Protein Science, 1996, 5, 229-239.	3.1	43
77	Diketopiperazine formation in acetamido-and nitrobenzamido-bridgedpolymeric supports.. Tetrahedron Letters, 1981, 22, 3779-3782.	0.7	42
78	Synthesis of Oligonucleotides Containing the Abasic Site Model Compound 1,4-Anhydro-2-Deoxy-D-Ribitol. Nucleosides & Nucleotides, 1987, 6, 803-814.	0.5	42
79	NPE-resin, a new approach to the solid-phase synthesis of protected peptides and oligonucleotides I : Synthesis of the supports and their application to oligonucleotide synthesis.. Tetrahedron Letters, 1991, 32, 1511-1514.	0.7	42
80	A simple method for N-15 labelling of exocyclic amino groups in synthetic oligodeoxynucleotides. Nucleic Acids Research, 1994, 22, 2982-2989.	6.5	42
81	Solid-phase N-glycopeptide synthesis using allyl side-chain protected Fmoc-amino acids. Tetrahedron Letters, 1994, 35, 1033-1034.	0.7	42
82	Nucleotide Insertion and Primer Extension at Abasic Template Sites in Different Sequence Contexts. Annals of the New York Academy of Sciences, 1994, 726, 132-143.	1.8	42
83	2â€²-O-Propargyl oligoribonucleotides: Synthesis and hybridisation. Tetrahedron, 1998, 54, 5899-5914.	1.0	42
84	pHâ€Modulated Watsonâ€“Crick Duplexâ€“Quadruplex Equilibria of Guanineâ€Rich and Cytosineâ€Rich DNA Sequences 140 Base Pairs Upstream of the câ€kit Transcription Initiation Site. Chemistry - A European Journal, 2009, 15, 12663-12671.	1.7	42
85	Targeting the G-quadruplex-forming region near the P1 promoter in the human BCL-2 gene with the cationic porphyrin TMPyP4 and with the complementary C-rich strand. Biochimie, 2009, 91, 894-902.	1.3	42
86	Initiation of replication of plasmid pMV158: mechanisms of DNA strand-transfer reactions mediated by the initiator RepB protein. Journal of Molecular Biology, 1997, 268, 840-856.	2.0	41
87	Direct Covalent Attachment of DNA Microarrays by Rapid Thiolâ€“Ene â€œClickâ€•Chemistry. Bioconjugate Chemistry, 2014, 25, 618-627.	1.8	41
88	Understanding the effect of the nature of the nucleobase in the loops on the stability of the i-motif structure. Physical Chemistry Chemical Physics, 2016, 18, 7997-8004.	1.3	41
89	DNA-based nanoscaffolds as vehicles for 5-fluoro-2â€²-deoxyuridine oligomers in colorectal cancer therapy. Nanoscale, 2018, 10, 7238-7249.	2.8	41
90	The human mitochondrial transcription factor A is a versatile G-quadruplex binding protein. Scientific Reports, 2017, 7, 43992.	1.6	40

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91	Properties of triple helices formed by parallel-stranded hairpins containing 8-aminopurines. Nucleic Acids Research, 2002, 30, 2609-2619.	6.5	39
92	Classification of nucleic acids structures by means of the chemometric analysis of circular dichroism spectra. Analytica Chimica Acta, 2009, 642, 117-126.	2.6	39
93	Solution equilibria of cytosine- and guanine-rich sequences near the promoter region of the n-myc gene that contain stable hairpins within lateral loops. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 41-52.	1.1	39
94	Protamine/DNA/Niosome Ternary Nonviral Vectors for Gene Delivery to the Retina: The Role of Protamine. Molecular Pharmaceutics, 2015, 12, 3658-3671.	2.3	39
95	Controlling the Reversible Assembly of Liposomes through a Multistimuli Responsive Anchored DNA. Nano Letters, 2016, 16, 4462-4466.	4.5	39
96	AS1411-decorated niosomes as effective nanocarriers for Ru(<scp>iii</scp>)-based drugs in anticancer strategies. Journal of Materials Chemistry B, 2018, 6, 5368-5384.	2.9	39
97	Equilibrium between a wobble and ionized base pair formed between fluorouracil and guanine in DNA as studied by proton and fluorine NMR. Journal of Biological Chemistry, 1988, 263, 14794-801.	1.6	39
98	Hoogsteen-Based Parallel-Stranded Duplexes of DNA. Effect of 8-Amino-purine Derivatives. Journal of the American Chemical Society, 2002, 124, 3133-3142.	6.6	38
99	Antiparallel Triple Helices. Structural Characteristics and Stabilization by 8-Amino Derivatives. Journal of the American Chemical Society, 2003, 125, 16127-16138.	6.6	38
100	Gene delivery to the rat retina by non-viral vectors based on chloroquine-containing cationic niosomes. Journal of Controlled Release, 2019, 304, 181-190.	4.8	38
101	Resolution of a structural competition involving dimeric G-quadruplex and its C-rich complementary strand. Nucleic Acids Research, 2006, 34, 206-216.	6.5	37
102	A synthetic procedure for the preparation of oligonucleotides without using ammonia and its application for the synthesis of oligonucleotides containing 0-4-alkyl thymidines.. Tetrahedron, 1992, 48, 4171-4182.	1.0	36
103	DNA-triplex stabilizing properties of 8-aminoguanine. Nucleic Acids Research, 2000, 28, 4531-4539.	6.5	36
104	Stem cell-based gene delivery mediated by cationic niosomes for bone regeneration. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 521-531.	1.7	36
105	Structural and dynamic properties of a fluorouracil-adenine base pair in DNA studied by proton NMR.. Journal of Biological Chemistry, 1987, 262, 15436-15442.	1.6	36
106	Through-bond correlation of adenine H2 and H8 protons in unlabeled DNA fragments by HMBC spectroscopy. Journal of Biomolecular NMR, 1996, 8, 207-212.	1.6	35
107	DNA-Templated Assembly of a Protein-Functionalized Nanogap Electrode. Advanced Materials, 2004, 16, 1799-1803.	11.1	35
108	Conformationally rigid nucleoside probes help understand the role of sugar pucker and nucleobase orientation in the thrombin-binding aptamer. Nucleic Acids Research, 2009, 37, 5589-5601.	6.5	35

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109	DNA Nanoarchitectures: Steps towards Biological Applications. ChemBioChem, 2014, 15, 1374-1390.	1.3	35
110	NMR studies on an oligodeoxynucleotide containing 2-aminopurine opposite adenine. Biochemistry, 1987, 26, 5641-5646.	1.2	34
111	Modified siRNAs for the study of the PAZ domain. Chemical Communications, 2010, 46, 4270.	2.2	34
112	The role of helper lipids in the intracellular disposition and transfection efficiency of niosome formulations for gene delivery to retinal pigment epithelial cells. International Journal of Pharmaceutics, 2016, 503, 115-126.	2.6	34
113	Label-free DNA-methylation detection by direct ds-DNA fragment screening using poly-purine hairpins. Biosensors and Bioelectronics, 2018, 120, 47-54.	5.3	34
114	Niosome-Based Approach for In Situ Gene Delivery to Retina and Brain Cortex as Immune-Privileged Tissues. Pharmaceutics, 2020, 12, 198.	2.0	34
115	The effect of amino groups on the stability of DNA duplexes and triplexes based on purines derived from inosine. Nucleic Acids Research, 2001, 29, 2522-2534.	6.5	33
116	Experimental Measurement of Carbohydrateâ€“Aromatic Stacking in Water by Using a Danglingâ€Ended DNA Model System. Chemistry - A European Journal, 2008, 14, 7828-7835.	1.7	33
117	Sensitive and label-free biosensing of RNA with predicted secondary structures by a triplex affinity capture method. Nucleic Acids Research, 2012, 40, e56-e56.	6.5	33
118	Peptideâ€“PNA Conjugates: Targeted Transport of Antisense Therapeutics into Tumors. Angewandte Chemie - International Edition, 2003, 42, 1968-1971.	7.2	32
119	8-Amino guanine accelerates tetramolecular G-quadruplex formation. Chemical Communications, 2008, , 2926.	2.2	32
120	NPE-resin, a new approach to the solid-phase synthesis of protected peptides and oligonucleotides II. Synthesis of protected peptides. Tetrahedron Letters, 1991, 32, 1515-1518.	0.7	31
121	Theoretical calculations, synthesis and base pairing properties of oligonucleotides containing 8-amino-2'-deoxyadenosine. Nucleic Acids Research, 1999, 27, 1991-1998.	6.5	31
122	Multiple Multicomponent Reactions: Unexplored Substrates, Selective Processes, and Versatile Chemotypes in Biomedicine. Chemistry - A European Journal, 2018, 24, 14513-14521.	1.7	31
123	Synthesis and characterization of oligodeoxynucleotides containing the mutagenic base analogue 4-O-ethylthymine. Nucleic Acids Research, 1990, 18, 5729-5734.	6.5	30
124	Criteria for the economic large scale solid-phase synthesis of oligonucleotides. Tetrahedron, 1994, 50, 2617-2622.	1.0	30
125	Effect of North Bicyclo[3.1.0]hexane 2â€²â€Deoxyâ€pseudosugars on RNA Interference: A Novel Class of siRNA Modification. ChemBioChem, 2011, 12, 1056-1065.	1.3	30
126	Oligonucleotide delivery: a patent review (2010 â€“ 2013). Expert Opinion on Therapeutic Patents, 2014, 24, 801-819.	2.4	30

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127	Sensitive and label-free detection of miRNA-145 by triplex formation. Analytical and Bioanalytical Chemistry, 2016, 408, 885-893.	1.9	30
128	Both O4-methylthymine and O4-ethylthymine preferentially form alkyl T.G pairs that do not block in vitro replication in a defined sequence. Carcinogenesis, 1993, 14, 1915-1919.	1.3	29
129	Solid-phase synthesis of branched RNA and branched DNA/RNA chimeras. Tetrahedron, 1997, 53, 11317-11346.	1.0	29
130	Characterization of the high pH wobble structure of the 2-aminopurineÂ·cytosine mismatch by N-15 NMR spectroscopy. Biochemical and Biophysical Research Communications, 1989, 165, 89-92.	1.0	28
131	Synthesis and in vitro inhibition properties of siRNA conjugates carrying glucose and galactose with different presentations. Molecular Diversity, 2011, 15, 751-757.	2.1	28
132	Quadruplex Nanostructures of d(TGGGGT): Influence of Sodium and Potassium Ions. Analytical Chemistry, 2014, 86, 5851-5857.	3.2	28
133	Divalent Zinc Cations Induce the Formation of Two Distinct Homoduplexes of a d(GA)20 DNA Sequence. Biochemistry, 1995, 34, 14408-14415.	1.2	27
134	Dam Methyltransferase from Escherichia coli: Kinetic Studies Using Modified DNA Oligomers: Nonmethylated Substrates. Biological Chemistry, 1997, 378, 407-15.	1.2	27
135	Synthesis of Oligodeoxynucleotides ContainingN4-Mercaptoethylcytosine and Their Use in the Preparation of Oligonucleotideâ^'Peptide Conjugates Carrying c-mycTag-Sequence. Bioconjugate Chemistry, 1998, 9, 831-837.	1.8	27
136	Dam methylase fromEscherichia coli: kinetic studies using modified DNA oligomers: hemimethylated substrates. Nucleic Acids Research, 1995, 23, 3648-3655.	6.5	26
137	DNA-Binding Ligands from Peptide Libraries Containing Unnatural Amino Acids. Chemistry - A European Journal, 1998, 4, 425-433.	1.7	26
138	A Straightforward Synthesis of 5â€˜-Peptide Oligonucleotide Conjugates UsingNÎ±-Fmoc-Protected Amino Acids. Organic Letters, 2005, 7, 4349-4352.	2.4	26
139	Synthesis of Oligonucleotides Carrying Amino Lipid Groups at the 3â€²-End for RNA Interference Studies. Journal of Organic Chemistry, 2010, 75, 6806-6813.	1.7	26
140	Synthesis, Cell-Surface Binding, and Cellular Uptake of Fluorescently Labeled Glucoseâ^'DNA Conjugates with Different Carbohydrate Presentation. Bioconjugate Chemistry, 2010, 21, 1280-1287.	1.8	26
141	Electrostatic Binding and Hydrophobic Collapse of Peptideâ€“Nucleic Acid Aggregates Quantified Using Force Spectroscopy. ACS Nano, 2013, 7, 5102-5113.	7.3	26
142	On the Race for More Stretchable and Tough Hydrogels. Gels, 2019, 5, 24.	2.1	26
143	Functional regulation of platelet/endothelial cell adhesion molecule-1 by TGF-beta 1 in promonocytic U-937 cells. Journal of Immunology, 1994, 153, 4206-18.	0.4	26
144	Convergent solid phase peptide synthesis-III. Tetrahedron, 1986, 42, 691-698.	1.0	25

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145	Gel-phase 31P-NMR. A new analytical tool to evaluate solid phase oligonucleoside synthesis.. Bioorganic and Medicinal Chemistry Letters, 1993, 3, 2793-2796.	1.0	25
146	Plasmid transcriptional repressor CopG oligomerises to render helical superstructures unbound and in complexes with oligonucleotides. Journal of Molecular Biology, 2001, 310, 403-417.	2.0	25
147	Strand Displacement of Double-Stranded DNA by Triplex-Forming Antiparallel Purine-Hairpins. Oligonucleotides, 2005, 15, 269-283.	2.7	25
148	Chemical equilibria studies using multivariate analysis methods. Analytical and Bioanalytical Chemistry, 2011, 399, 1983-1997.	1.9	25
149	Evaluation of the structureâ€“activity relationship of thrombin with thrombin binding aptamers by voltammetry and atomic force microscopy. Journal of Electroanalytical Chemistry, 2011, 656, 159-166.	1.9	25
150	Functionally Enhanced siRNA Targeting TNFÎ± Attenuates DSS-induced Colitis and TLR-mediated Immunostimulation in Mice. Molecular Therapy, 2012, 20, 382-390.	3.7	25
151	Specific loop modifications of the thrombinâ€binding aptamer trigger the formation of parallel structures. FEBS Journal, 2014, 281, 1085-1099.	2.2	25
152	Protonation Studies and Multivariate Curve Resolution on Oligodeoxynucleotides Carrying the Mutagenic Base 2-Aminopurine. Biophysical Journal, 2001, 81, 2886-2896.	0.2	24
153	ds-Oligonucleotideâ€“Peptide Conjugates Featuring Peptides from the Leucine-Zipper Region of Fos as Switchable Receptors for the Oncoprotein Jun. ChemBioChem, 2007, 8, 1110-1114.	1.3	24
154	Solid-Phase Synthesis of Modified Oligonucleotides. International Journal of Peptide Research and Therapeutics, 2007, 13, 53-68.	0.9	24
155	Synthesis, DNA-Binding and Antiproliferative Properties of Acridine and 5-Methylacridine Derivatives. Molecules, 2012, 17, 7067-7082.	1.7	24
156	Electrochemical and AFM Characterization of G-Quadruplex Electrochemical Biosensors and Applications. Journal of Nucleic Acids, 2018, 2018, 1-20.	0.8	24
157	Tandem 5â€²-GA:GA-3â€² mismatches account for the high stability of the fold-back structures formed by the centromeric Drosophila dodeca-satellite 1 1Edited by I. Tinoco. Journal of Molecular Biology, 1998, 277, 757-762.	2.0	23
158	Synthesis and Hybridization Properties of DNAâ€“PNA Chimeras Carrying 5-Bromouracil and 5-Methylcytosine. Bioorganic and Medicinal Chemistry, 2000, 8, 291-297.	1.4	23
159	Resolution of Parallel and Antiparallel Oligonucleotide Triple Helices Formation and Melting Processes by Multivariate Curve Resolution. Journal of Biomolecular Structure and Dynamics, 2003, 21, 267-278.	2.0	23
160	Structural and Dynamic Properties of a Bromouracil-Adenine Base Pair in DNA Studied by Proton NMR. Journal of Biomolecular Structure and Dynamics, 1987, 5, 639-650.	2.0	22
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