

# Ramon Eritja

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Oligonucleotides Carrying Nucleoside Antimetabolites as Potential Prodrugs. <i>Current Medicinal Chemistry</i> , 2023, 30, 1304-1319.	1.2	3
2	A multivalent Ara-C-prodrug nanoconjugate achieves selective ablation of leukemic cells in an acute myeloid leukemia mouse model. <i>Biomaterials</i> , 2022, 280, 121258.	5.7	12
3	Chemical Modifications in Nucleic Acids for Therapeutic and Diagnostic Applications. <i>Chemical Record</i> , 2022, 22, e202100270.	2.9	5
4	Properties of Parallel Tetramolecular G-Quadruplex Carrying N-Acetylgalactosamine as Potential Enhancer for Oligonucleotide Delivery to Hepatocytes. <i>Molecules</i> , 2022, 27, 3944.	1.7	1
5	Study of alkaloid berberine and its interaction with the human telomeric i-motif DNA structure. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 248, 119185.	2.0	16
6	Sorting hidden patterns in nanoparticle performance for glioblastoma using machine learning algorithms. <i>International Journal of Pharmaceutics</i> , 2021, 592, 120095.	2.6	6
7	Design and engineering of tumor-targeted, dual-acting cytotoxic nanoparticles. <i>Acta Biomaterialia</i> , 2021, 119, 312-322.	4.1	14
8	Studies on the interactions of Ag(i) with DNA and their implication on the DNA-templated synthesis of silver nanoclusters and on the interaction with complementary DNA and RNA sequences. <i>RSC Advances</i> , 2021, 11, 9029-9042.	1.7	2
9	8 Oligonucleotide conjugates and DNA nanotechnology. , 2021, , 331-358.		0
10	5 Nucleic acids triple helices. , 2021, , 187-230.		1
11	6 Nucleic acids quadruplex. , 2021, , 231-272.		0
12	1 Methods for the synthesis of oligonucleotides. , 2021, , 1-44.		0
13	4 Nonradioactive labeling of oligonucleotides and postsynthetic modification of oligonucleotides. , 2021, , 143-186.		0
14	7 Advances in therapeutic oligonucleotide chemistry. , 2021, , 273-330.		1
15	G-quadruplex binding properties of a potent PARP-1 inhibitor derived from 7-azaindole-1-carboxamide. <i>Scientific Reports</i> , 2021, 11, 3869.	1.6	16
16	Oligonucleotides Containing 1-Aminomethyl or 1-Mercaptomethyl-2-deoxy- $\beta$ -D-ribofuranoses: Synthesis, Purification, Characterization, and Conjugation with Fluorophores and Lipids. <i>Bioconjugate Chemistry</i> , 2021, 32, 350-366.	1.8	5
17	EcoRII Restriction Endonuclease Forms Specific Contacts to the Bases of Its Target Sequence Flipped from DNA in a Transition Complex with Photoactivatable Substrates. <i>Russian Journal of Bioorganic Chemistry</i> , 2021, 47, 367-375.	0.3	0
18	Parallel G-quadruplex Structures Increase Cellular Uptake and Cytotoxicity of 5-Fluoro-2-deoxyuridine Oligomers in 5-Fluorouracil Resistant Cells. <i>Molecules</i> , 2021, 26, 1741.	1.7	5

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19	Structural Effects of Incorporation of 2'-Deoxy-2'-difluorodeoxycytidine (Gemcitabine) in A- and B-Form Duplexes. <i>Chemistry - A European Journal</i> , 2021, 27, 7351-7355.	1.7	5
20	Evaluation of Floxuridine Oligonucleotide Conjugates Carrying Potential Enhancers of Cellular Uptake. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5678.	1.8	5
21	Exploring the Interaction of Curaxin CBL0137 with G-Quadruplex DNA Oligomers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6476.	1.8	9
22	The gene silencing of IRF5 and BLYSS effectively modulates the outcome of experimental lupus nephritis. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 24, 807-821.	2.3	9
23	Rational engineering of a human GFP-like protein scaffold for humanized targeted nanomedicines. <i>Acta Biomaterialia</i> , 2021, 130, 211-222.	4.1	8
24	Biodistribution of <sup>68/67</sup> Ga-Radiolabeled Sphingolipid Nanoemulsions by PET and SPECT Imaging. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 5923-5935.	3.3	10
25	Investigation of the Complexes Formed between PARP1 Inhibitors and PARP1 G-Quadruplex at the Gene Promoter Region. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8737.	1.8	4
26	Preparation of Lipid-Conjugated siRNA Oligonucleotides for Enhanced Gene Inhibition in Mammalian Cells. <i>Methods in Molecular Biology</i> , 2021, 2282, 119-136.	0.4	2
27	3 Synthesis of oligonucleotides carrying modified bases for DNA and protein recognition. , 2021, , 87-142.		0
28	2 Synthesis of oligonucleotides carrying DNA lesions for DNA repair studies. , 2021, , 45-86.		0
29	Tuning G-Quadruplex Nanostructures with Lipids. Towards Designing Hybrid Scaffolds for Oligonucleotide Delivery. <i>International Journal of Molecular Sciences</i> , 2021, 22, 121.	1.8	4
30	Correlation between Biophysical Properties of Niosomes Elaborated with Chloroquine and Different Tensioactives and Their Transfection Efficiency. <i>Pharmaceutics</i> , 2021, 13, 1787.	2.0	7
31	Ethylcellulose nanoparticles as a new <i>in vitro</i> transfection tool for antisense oligonucleotide delivery. <i>Carbohydrate Polymers</i> , 2020, 229, 115451.	5.1	14
32	Fast and Accurate Pneumocystis Pneumonia Diagnosis in Human Samples Using a Label-Free Plasmonic Biosensor. <i>Nanomaterials</i> , 2020, 10, 1246.	1.9	14
33	Triplex Hybridization-Based Nanosystem for the Rapid Screening of Pneumocystis Pneumonia in Clinical Samples. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 292.	1.5	6
34	Detection of a G-Quadruplex as a Regulatory Element in Thymidylate synthase for Gene Silencing Using Polypurine Reverse Hoogsteen Hairpins. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5028.	1.8	7
35	Non-viral mediated gene therapy in human cystic fibrosis airway epithelial cells recovers chloride channel functionality. <i>International Journal of Pharmaceutics</i> , 2020, 588, 119757.	2.6	15
36	Developing Protein-Antitumoral Drug Nanoconjugates as Bifunctional Antimicrobial Agents. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 57746-57756.	4.0	6

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37	Sulfonamide as amide isostere for fine-tuning the gelation properties of physical gels. <i>RSC Advances</i> , 2020, 10, 11481-11492.	1.7	4
38	Niosome-Based Approach for In Situ Gene Delivery to Retina and Brain Cortex as Immune-Privileged Tissues. <i>Pharmaceutics</i> , 2020, 12, 198.	2.0	34
39	Brain Angiogenesis Induced by Nonviral Gene Therapy with Potential Therapeutic Benefits for Central Nervous System Diseases. <i>Molecular Pharmaceutics</i> , 2020, 17, 1848-1858.	2.3	9
40	Influence of pH and a porphyrin ligand on the stability of a G-quadruplex structure within a duplex segment near the promoter region of the SMARCA4 gene. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 383-393.	3.6	7
41	Aptamer-peptide conjugates as a new strategy to modulate human $\hat{\pm}$ -thrombin binding affinity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1619-1630.	1.1	15
42	Expanding the limits of amideâ€“triazole isosteric substitution in bisamide-based physical gels. <i>RSC Advances</i> , 2019, 9, 20841-20851.	1.7	9
43	Stabilization of c-KIT G-Quadruplex DNA Structures by the RNA Polymerase I Inhibitors BMH-21 and BA-41. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4927.	1.8	18
44	Cationic niosome-based hBMP7 gene transfection of neuronal precursor NT2 cells to reduce the migration of glioma cells in vitro. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 53, 101219.	1.4	10
45	Alginate Hydrogels as Scaffolds and Delivery Systems to Repair the Damaged Spinal Cord. <i>Biotechnology Journal</i> , 2019, 14, e1900275.	1.8	49
46	Cationic Niosomes as Non-Viral Vehicles for Nucleic Acids: Challenges and Opportunities in Gene Delivery. <i>Pharmaceutics</i> , 2019, 11, 50.	2.0	59
47	&lt;p&gt;Small interfering RNAs (siRNAs) in cancer therapy: a nano-based approach&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 3111-3128.	3.3	167
48	Study of conformational transitions of i-motif DNA using time-resolved fluorescence and multivariate analysis methods. <i>Nucleic Acids Research</i> , 2019, 47, 6590-6605.	6.5	18
49	Parallel Clamps and Polypurine Hairpins (PPRH) for Gene Silencing and Triplexâ€“Affinity Capture: Design, Synthesis, and Use. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2019, 77, e78.	0.5	10
50	Gene delivery to the rat retina by non-viral vectors based on chloroquine-containing cationic niosomes. <i>Journal of Controlled Release</i> , 2019, 304, 181-190.	4.8	38
51	The Origins and the Biological Consequences of the Pur/Pyr DNAâ€“RNA Asymmetry. <i>CheM</i> , 2019, 5, 1619-1631.	5.8	13
52	On the Race for More Stretchable and Tough Hydrogels. <i>Gels</i> , 2019, 5, 24.	2.1	26
53	Efficient bioactive oligonucleotideâ€“protein conjugation for cellâ€“targeted cancer therapy. <i>ChemistryOpen</i> , 2019, 8, 382-387.	0.9	7
54	A pH-dependent bolt involving cytosine bases located in the lateral loops of antiparallel G-quadruplex structures within the SMARCA4 gene promoter. <i>Scientific Reports</i> , 2019, 9, 15807.	1.6	12

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55	Glucose-nucleobase pairs within DNA: impact of hydrophobicity, alternative linking unit and DNA polymerase nucleotide insertion studies. <i>Chemical Science</i> , 2018, 9, 3544-3554.	3.7	2
56	Evaluation of the effect of polymorphism on G-quadruplex-ligand interaction by means of spectroscopic and chromatographic techniques. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 196, 185-195.	2.0	10
57	siRNA Modified with 2'-Deoxy-2'-methylpyrimidine Nucleosides. <i>ChemBioChem</i> , 2018, 19, 1409-1413.4		
58	DNA-based nanoscaffolds as vehicles for 5-fluoro-2'-deoxyuridine oligomers in colorectal cancer therapy. <i>Nanoscale</i> , 2018, 10, 7238-7249.	2.8	41
59	Isosteric Substitution of 4 <i>H</i> -1,2,4-Triazole by 1 <i>H</i> -1,2,3-Triazole in Isophthalic Derivative Enabled Hydrogel Formation for Controlled Drug Delivery. <i>Molecular Pharmaceutics</i> , 2018, 15, 2963-2972.	2.3	6
60	Exploring PAZ/3'-overhang interaction to improve siRNA specificity. A combined experimental and modeling study. <i>Chemical Science</i> , 2018, 9, 2074-2086.	3.7	22
61	Stem cell-based gene delivery mediated by cationic niosomes for bone regeneration. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 521-531.	1.7	36
62	Overview of DNA Self-Assembling: Progresses in Biomedical Applications. <i>Pharmaceutics</i> , 2018, 10, 268.	2.0	19
63	Gene transfer to rat cerebral cortex mediated by polysorbate 80 and poloxamer 188 nonionic surfactant vesicles. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 3937-3949.	2.0	12
64	Selective depletion of metastatic stem cells as therapy for human colorectal cancer. <i>EMBO Molecular Medicine</i> , 2018, 10, .	3.3	64
65	Design of oligonucleotide-capped mesoporous silica nanoparticles for the detection of miRNA-145 by duplex and triplex formation. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 598-603.	4.0	15
66	Multiple Multicomponent Reactions: Unexplored Substrates, Selective Processes, and Versatile Chemotypes in Biomedicine. <i>Chemistry - A European Journal</i> , 2018, 24, 14513-14521.	1.7	31
67	Electrochemical and AFM Characterization of G-Quadruplex Electrochemical Biosensors and Applications. <i>Journal of Nucleic Acids</i> , 2018, 2018, 1-20.	0.8	24
68	AS1411-decorated niosomes as effective nanocarriers for Ru( <i>iii</i> )-based drugs in anticancer strategies. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5368-5384.	2.9	39
69	Synthesis, Characterization, and Self-Assembly of a Tetrathiafulvalene (TTF)-Triglycyl Derivative. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 671.	1.3	4
70	Covalent Strategies for Targeting Messenger and Non-Coding RNAs: An Updated Review on siRNA, miRNA and anti-miR Conjugates. <i>Genes</i> , 2018, 9, 74.	1.0	54
71	Study of light-induced formation of photodimers in the i-motif nucleic acid structure by rapid-scan FTIR difference spectroscopy and hybrid hard- and soft-modelling. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19635-19646.	1.3	3
72	Label-free DNA-methylation detection by direct ds-DNA fragment screening using poly-purine hairpins. <i>Biosensors and Bioelectronics</i> , 2018, 120, 47-54.	5.3	34

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73	Naturally occurring quaternary benzo[ <i>c</i> ]phenanthridine alkaloids selectively stabilize G-quadruplexes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 21772-21782.	1.3	14
74	DNA-Origami-Driven Lithography for Patterning on Gold Surfaces with Sub-10 nm Resolution. <i>Advanced Materials</i> , 2017, 29, 1603233.	11.1	21
75	Oligonucleotide-Lipid Conjugates Forming G-Quadruplex Structures Are Potent and Pangenotypic Hepatitis C Virus Entry Inhibitors <i>In Vitro</i> and <i>Ex Vivo</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	8
76	The human mitochondrial transcription factor A is a versatile G-quadruplex binding protein. <i>Scientific Reports</i> , 2017, 7, 43992.	1.6	40
77	Boronic acid-modified alginate enables direct formation of injectable, self-healing and multistimuli-responsive hydrogels. <i>Chemical Communications</i> , 2017, 53, 3350-3353.	2.2	139
78	The impact of an extended nucleobase-2'-deoxyribose linker in the biophysical and biological properties of oligonucleotides. <i>RSC Advances</i> , 2017, 7, 9579-9586.	1.7	4
79	Stabilization of Telomeric <i>S</i> -Motif Structures by (2'- <i>S</i> )-2'-Deoxy-2'- <i>C</i> -Methylcytidine Residues. <i>ChemBioChem</i> , 2017, 18, 1123-1128.	1.3	12
80	i-motif structures in long cytosine-rich sequences found upstream of the promoter region of the SMARCA4 gene. <i>Biochimie</i> , 2017, 140, 20-33.	1.3	14
81	Cationic nioplexes-in-polysaccharide-based hydrogels as versatile biodegradable hybrid materials to deliver nucleic acids. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7756-7767.	2.9	12
82	Lipid-modified oligonucleotide conjugates: Insights into gene silencing, interaction with model membranes and cellular uptake mechanisms. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 175-186.	1.4	7
83	The effect of l-thymidine, acyclic thymine and 8-bromoguanine on the stability of model G-quadruplex structures. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1205-1212.	1.1	10
84	DNA-Origami-Aided Lithography for Sub-10 Nanometer Pattern Printing. <i>Proceedings (mdpi)</i> , 2017, 1, 325.	0.2	1
85	Lipid-Oligonucleotide Conjugates Forming G-Quadruplexes (Lipoquads) as Potent Inhibitors of HIV Entry. <i>Proceedings (mdpi)</i> , 2017, 1, .	0.2	1
86	Transfection of Antisense Oligonucleotides Mediated by Cationic Vesicles Based on Non-Ionic Surfactant and Polycations Bearing Quaternary Ammonium Moieties. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1139.	1.8	7
87	The Effect of Small Cosolutes that Mimic Molecular Crowding Conditions on the Stability of Triplexes Involving Duplex DNA. <i>International Journal of Molecular Sciences</i> , 2016, 17, 211.	1.8	3
88	Glucose-Nucleobase Pseudo Base Pairs: Biomolecular Interactions within DNA. <i>Angewandte Chemie</i> , 2016, 128, 8785-8789.	1.6	2
89	Glucose-Nucleobase Pseudo Base Pairs: Biomolecular Interactions within DNA. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8643-8647.	7.2	6
90	Controlling the Reversible Assembly of Liposomes through a Multistimuli Responsive Anchored DNA. <i>Nano Letters</i> , 2016, 16, 4462-4466.	4.5	39

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91	<scp>siRNA</scp> and <scp>RNAi</scp> optimization. Wiley Interdisciplinary Reviews RNA, 2016, 7, 316-329.	3.2	67
92	Nioplexes encapsulated in supramolecular hybrid biohydrogels as versatile delivery platforms for nucleic acids. RSC Advances, 2016, 6, 39688-39699.	1.7	12
93	Cellular uptake studies of antisense oligonucleotides using G-quadruplex-nanostructures. The effect of cationic residue on the biophysical and biological properties. RSC Advances, 2016, 6, 76099-76109.	1.7	6
94	Biodegradable liposome-encapsulated hydrogels for biomedical applications: a marriage of convenience. Biomaterials Science, 2016, 4, 555-574.	2.6	125
95	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
96	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
97	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
98	Sensitive and label-free detection of miRNA-145 by triplex formation. Analytical and Bioanalytical Chemistry, 2016, 408, 885-893.	1.9	30
99	Magnetic Gel Composites for Hyperthermia Cancer Therapy. Gels, 2015, 1, 135-161.	2.1	50
100	Gold-Coated Superparamagnetic Nanoparticles for Single Methyl Discrimination in DNA Aptamers. International Journal of Molecular Sciences, 2015, 16, 27625-27639.	1.8	13
101	Modulation of the RNA Interference Activity Using Central Mismatched siRNAs and Acyclic Threoninol Nucleic Acids (aTNA) Units. Molecules, 2015, 20, 7602-7619.	1.7	15
102	1-[2,3-Bis(tetradecyloxy)propyl]-3-[2-(piperazin-1-yl)ethyl]urea. MolBank, 2015, 2015, M873.	0.2	0
103	Glucose Conjugation of Anti-HIV-1 Oligonucleotides Containing Unmethylated CpG Motifs Reduces Their Immunostimulatory Activity. ChemBioChem, 2015, 16, 584-591.	1.3	4
104	Label-free electrochemical DNA sensor using click-functionalized PEDOT electrodes. Biosensors and Bioelectronics, 2015, 74, 751-756.	5.3	52
105	Modulation of the stability of i-motif structures using an acyclic threoninol cytidine derivative. RSC Advances, 2015, 5, 63278-63281.	1.7	15
106	Atomic Force Microscopy and Voltammetric Investigation of Quadruplex Formation between a Triazole-Acridine Conjugate and Guanine-Containing Repeat DNA Sequences. Analytical Chemistry, 2015, 87, 6141-6149.	3.2	15
107	New Insights into Gene Delivery to Human Neuronal Precursor NT2 Cells: A Comparative Study between Lipoplexes, Nioplexes, and Polyplexes. Molecular Pharmaceutics, 2015, 12, 4056-4066.	2.3	19
108	Synthesis of oligonucleotides carrying fluorescently labelled O6-alkylguanine for measuring hAGT activity. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 5208-5211.	1.0	5

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109	Protamine/DNA/Niosome Ternary Nonviral Vectors for Gene Delivery to the Retina: The Role of Protamine. <i>Molecular Pharmaceutics</i> , 2015, 12, 3658-3671.	2.3	39
110	Novel non-viral gene delivery systems composed of carbosilane dendron functionalized nanoparticles prepared from nano-emulsions as non-viral carriers for antisense oligonucleotides. <i>International Journal of Pharmaceutics</i> , 2015, 478, 113-123.	2.6	55
111	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. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1068-1081.	1.5	50
112	RNA/aTNA Chimeras: RNAi Effects and Nucleases Resistance of Single and Double Stranded RNAs. <i>Molecules</i> , 2014, 19, 17872-17896.	1.7	13
113	Thioctic Acid Derivatives as Building Blocks to Incorporate DNA Oligonucleotides onto Gold Nanoparticles. <i>Molecules</i> , 2014, 19, 10495-10523.	1.7	20
114	Specific loop modifications of the thrombin-binding aptamer trigger the formation of parallel structures. <i>FEBS Journal</i> , 2014, 281, 1085-1099.	2.2	25
115	Direct Covalent Attachment of DNA Microarrays by Rapid Thiol-ene Click-Chemistry. <i>Bioconjugate Chemistry</i> , 2014, 25, 618-627.	1.8	41
116	A Novel Formulation Based on 2,3-Di(tetradecyloxy)propan-1-amine Cationic Lipid Combined with Polysorbate 80 for Efficient Gene Delivery to the Retina. <i>Pharmaceutical Research</i> , 2014, 31, 1665-1675.	1.7	19
117	A novel cationic niosome formulation for gene delivery to the retina. <i>Journal of Controlled Release</i> , 2014, 174, 27-36.	4.8	128
118	Fundamental aspects of the nucleic acid i-motif structures. <i>RSC Advances</i> , 2014, 4, 26956-26980.	1.7	151
119	Quadruplex Nanostructures of d(TGGGGT): Influence of Sodium and Potassium Ions. <i>Analytical Chemistry</i> , 2014, 86, 5851-5857.	3.2	28
120	DNA Nanoarchitectures: Steps towards Biological Applications. <i>ChemBioChem</i> , 2014, 15, 1374-1390.	1.3	35
121	Oligonucleotide delivery: a patent review (2010 - 2013). <i>Expert Opinion on Therapeutic Patents</i> , 2014, 24, 801-819.	2.4	30
122	Cationic vesicles based on non-ionic surfactant and synthetic aminolipids mediate delivery of antisense oligonucleotides into mammalian cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 119, 30-37.	2.5	18
123	Solution equilibria of cytosine- and guanine-rich sequences near the promoter region of the n-myc gene that contain stable hairpins within lateral loops. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 41-52.	1.1	39
124	Effects of Sugar Functional Groups, Hydrophobicity, and Fluorination on Carbohydrate-DNA Stacking Interactions in Water. <i>Journal of Organic Chemistry</i> , 2014, 79, 2419-2429.	1.7	16
125	Challenges and Opportunities for Oligonucleotide-Based Therapeutics by Antisense and RNA Interference Mechanisms. , 2014, , 227-242.		0
126	Synthesis, RNAi activity and nuclease-resistant properties of apolar carbohydrates siRNA conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4048-4051.	1.0	11



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127	Carbohydrate-DNA Interactions at G-Quadruplexes: Folding and Stability Changes by Attaching Sugars at the 5'-End. <i>Chemistry - A European Journal</i> , 2013, 19, 1920-1927.	1.7	21
128	Efficient Self-Assembly in Water of Long Noncovalent Polymers by Nucleobase Analogues. <i>Journal of the American Chemical Society</i> , 2013, 135, 2447-2450.	6.6	143
129	Double-tailed lipid modification as a promising candidate for oligonucleotide delivery in mammalian cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4872-4884.	1.1	12
130	Functionalization of the 3'-Ends of DNA and RNA Strands with N-Ethyl-Coupled Nucleosides: A Promising Approach To Avoid Exonuclease-Catalyzed Hydrolysis of Therapeutic Oligonucleotides. <i>ChemBioChem</i> , 2013, 14, 510-520.	1.3	13
131	DNA Origami as a DNA Repair Nanosensor at the Single-Molecule Level. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7747-7750.	7.2	54
132	Electrostatic Binding and Hydrophobic Collapse of Peptide-Nucleic Acid Aggregates Quantified Using Force Spectroscopy. <i>ACS Nano</i> , 2013, 7, 5102-5113.	7.3	26
133	An aptamer-gated silica mesoporous material for thrombin detection. <i>Chemical Communications</i> , 2013, 49, 5480.	2.2	89
134	Self-assembled G-quadruplex nanostructures: AFM and voltammetric characterization. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9117.	1.3	48
135	Biophysical and RNA Interference Inhibitory Properties of Oligonucleotides Carrying Tetrathiafulvalene Groups at Terminal Positions. <i>Journal of Chemistry</i> , 2013, 2013, 1-11.	0.9	4
136	Variable-Temperature Size Exclusion Chromatography for the Study of the Structural Changes in G-Quadruplex. , 2013, 2013, 1-7.		1
137	Structure and Stability of Human Telomeric G-Quadruplex with Preclinical 9-Amino Acridines. <i>PLoS ONE</i> , 2013, 8, e57701.	1.1	21
138	Thrombin Binding Aptamer, More than a Simple Aptamer: Chemically Modified Derivatives and Biomedical Applications. <i>Current Pharmaceutical Design</i> , 2012, 18, 2036-2047.	0.9	118
139	Functionally Enhanced siRNA Targeting TNF $\alpha$ Attenuates DSS-induced Colitis and TLR-mediated Immunostimulation in Mice. <i>Molecular Therapy</i> , 2012, 20, 382-390.	3.7	25
140	Sensitive and label-free biosensing of RNA with predicted secondary structures by a triplex affinity capture method. <i>Nucleic Acids Research</i> , 2012, 40, e56-e56.	6.5	33
141	Synthesis of Steroid-Oligonucleotide Conjugates for a DNA Site-Encoded SPR Immunosensor. <i>Bioconjugate Chemistry</i> , 2012, 23, 2183-2191.	1.8	16
142	Receptor-Based Virtual Screening and Biological Characterization of Human Apurinic/Apyrimidinic Endonuclease (Ape1) Inhibitors. <i>ChemMedChem</i> , 2012, 7, 2168-2178.	1.6	7
143	Apolar carbohydrates as DNA capping agents. <i>Chemical Communications</i> , 2012, 48, 2991.	2.2	11
144	Structure of Triplex DNA in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2012, 134, 6596-6606.	6.6	56

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145	The effect on quadruplex stability of North-nucleoside derivatives in the loops of the thrombin-binding aptamer. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 4186-4193.	1.4	15
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