

# Dmitry Pyshny

## List of Publications by Year in descending order

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170  
papers

2,319  
citations

257357

24  
h-index

302012

39  
g-index

198  
all docs

198  
docs citations

198  
times ranked

2107  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating DNA and DNase Activity in Human Blood. <i>Annals of the New York Academy of Sciences</i> , 2006, 1075, 191-196.	1.8	182
2	Physiological-Temperature Distance Measurement in Nucleic Acid using Triarylmethyl-Based Spin Labels and Pulsed Dipolar EPR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2014, 136, 9874-9877.	6.6	151
3	Aptamers against pathogenic microorganisms. <i>Critical Reviews in Microbiology</i> , 2016, 42, 847-865.	2.7	83
4	5'-bis-pyrenylated oligonucleotides displaying excimer fluorescence provide sensitive probes of RNA sequence and structure. <i>Nucleic Acids Research</i> , 2001, 29, 3611-3620.	6.5	74
5	Phosphoryl Guanidines: A New Type of Nucleic Acid Analogues. <i>Acta Naturae</i> , 2014, 6, 116-118.	1.7	64
6	Triarylmethyl Labels: Toward Improving the Accuracy of EPR Nanoscale Distance Measurements in DNAs. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13641-13648.	1.2	63
7	Immunochemical assay for deoxyribonuclease activity in body fluids. <i>Journal of Immunological Methods</i> , 2007, 325, 96-103.	0.6	56
8	Key Aspects of Nucleic Acid Library Design for in Vitro Selection. <i>International Journal of Molecular Sciences</i> , 2018, 19, 470.	1.8	53
9	Thermodynamic and spectral properties of DNA miniduplexes with the terminal G•A mismatches and 3' or 5' dangling bases. <i>FEBS Letters</i> , 1997, 420, 134-138.	1.3	40
10	Complementary-addressed site-directed spin labeling of long natural RNAs. <i>Nucleic Acids Research</i> , 2016, 44, 7935-7943.	6.5	38
11	Apoptosis-mediated endothelial toxicity but not direct calcification or functional changes in anti-calcification proteins defines pathogenic effects of calcium phosphate bions. <i>Scientific Reports</i> , 2016, 6, 27255.	1.6	37
12	Room-temperature electron spin relaxation of nitroxides immobilized in trehalose: Effect of substituents adjacent to NO-group. <i>Journal of Magnetic Resonance</i> , 2016, 266, 1-7.	1.2	35
13	RNase T1 mimicking artificial ribonuclease. <i>Nucleic Acids Research</i> , 2007, 35, 2356-2367.	6.5	34
14	Molecular Dynamics Simulation of Polarizable Gold Nanoparticles Interacting with Sodium Citrate. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 1278-1292.	2.3	33
15	A Versatile Approach to Attachment of Triarylmethyl Labels to DNA for Nanoscale Structural EPR Studies at Physiological Temperatures. <i>Journal of Physical Chemistry B</i> , 2018, 122, 137-143.	1.2	32
16	Evaluation of the Gibbs Free Energy Changes and Melting Temperatures of DNA/DNA Duplexes Using Hybridization Enthalpy Calculated by Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2015, 119, 15221-15234.	1.2	30
17	Hybridization of the Bridged Oligonucleotides with DNA: Thermodynamic and Kinetic Studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2006, 23, 567-579.	2.0	29
18	Fast and Strong Adsorption of Native Oligonucleotides on Citrate-Coated Gold Nanoparticles. <i>Langmuir</i> , 2018, 34, 164-172.	1.6	28

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19	Selectivity of Enzymatic Conversion of Oligonucleotide Probes during Nucleotide Polymorphism Analysis of DN. <i>Acta Naturae</i> , 2010, 2, 36-52.	1.7	28
20	Covalently attached oligodeoxyribonucleotides induce RNase activity of a short peptide and modulate its base specificity. <i>Nucleic Acids Research</i> , 2004, 32, 1928-1936.	6.5	26
21	Efficiency of exonucleolytic action of apurinic/apyrimidinic endonuclease 1 towards matched and mismatched dNMP at the 3' terminus of different oligomeric DNA structures correlates with thermal stability of DNA duplexes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 699-706.	1.1	26
22	Comparison of Behaviour in Different Liquids and in Cells of Gold Nanorods and Spherical Nanoparticles Modified by Linear Polyethyleneimine and Bovine Serum Albumin. <i>BioMed Research International</i> , 2014, 2014, 1-13.	0.9	26
23	Peptide-oligonucleotide conjugates exhibiting pyrimidine-X cleavage specificity efficiently silence miRNA target acting synergistically with RNase H. <i>Scientific Reports</i> , 2018, 8, 14990.	1.6	25
24	Diastereomers of a mono-substituted phosphoryl guanidine trideoxyribonucleotide: Isolation and properties. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 807-811.	1.0	25
25	Interaction of triarylmethyl radicals with DNA termini revealed by orientation-selective W-band double electron-electron resonance spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29549-29554.	1.3	24
26	Design of a New Fluorescent Oligonucleotide-Based Assay for a Highly Specific Real-Time Detection of Apurinic/Apyrimidinic Site Cleavage by Tyrosyl-DNA Phosphodiesterase 1. <i>Bioconjugate Chemistry</i> , 2015, 26, 2046-2053.	1.8	22
27	Surface modification of SOI-FET sensors for label-free and specific detection of short RNA analyte. <i>Nanomedicine</i> , 2016, 11, 2073-2082.	1.7	22
28	Saccharides as Prospective Immobilizers of Nucleic Acids for Room-Temperature Structural EPR Studies. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2544-2548.	2.1	21
29	Prevention of DNA multimerization using phosphoryl guanidine primers during isothermal amplification with Bst exo- DNA polymerase. <i>Biochimie</i> , 2020, 168, 259-267.	1.3	21
30	Interaction of poly(ADP-ribose) polymerase 1 with apurinic/apyrimidinic sites within clustered DNA damage. <i>Biochemistry (Moscow)</i> , 2011, 76, 147-156.	0.7	20
31	Molecularly imprinted polymers for biomedical and biotechnological applications. <i>Russian Chemical Reviews</i> , 2016, 85, 513-536.	2.5	20
32	DNA complexes with human apurinic/apyrimidinic endonuclease 1: structural insights revealed by pulsed dipolar EPR with orthogonal spin labeling. <i>Nucleic Acids Research</i> , 2019, 47, 7767-7780.	6.5	20
33	Thermodynamic parameters of coaxial stacking on stacking hybridization of oligodeoxyribonucleotides. <i>Russian Chemical Bulletin</i> , 2002, 51, 1145-1155.	0.4	19
34	Non-Covalent Associates of siRNAs and AuNPs Enveloped with Lipid Layer and Doped with Amphiphilic Peptide for Efficient siRNA Delivery. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2096.	1.8	19
35	Changes in the Ultrastructure of <i>Staphylococcus aureus</i> Treated with Cationic Peptides and Chlorhexidine. <i>Microorganisms</i> , 2020, 8, 1991.	1.6	19
36	Allele-Specific PCR for KRAS Mutation Detection Using Phosphoryl Guanidine Modified Primers. <i>Diagnostics</i> , 2020, 10, 872.	1.3	19

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37	Designing pH-Dependent Systems Based on Nanoscale Calcium Carbonate for the Delivery of an Antitumor Drug. <i>Nanomaterials</i> , 2021, 11, 2794.	1.9	19
38	Effect of derivation of ribophosphate backbone and terminal ribophosphate groups in oligoribonucleotides on their stability and interaction with eukaryotic cells. <i>Biochimie</i> , 1994, 76, 23-32.	1.3	18
39	Thermodynamic Analysis of Stacking Hybridization of Oligonucleotides with DNA Template. <i>Journal of Biomolecular Structure and Dynamics</i> , 2001, 19, 555-570.	2.0	18
40	Thermodynamic parameters for calculating the stability of complexes of bridged oligonucleotides. <i>Doklady Biochemistry and Biophysics</i> , 2006, 409, 211-215.	0.3	17
41	Characterization of chemically modified oligonucleotides targeting a pathogenic mutation in human mitochondrial DNA. <i>Biochimie</i> , 2014, 100, 192-199.	1.3	17
42	A simple approach to prepare molecularly imprinted polymers from nylon. <i>Journal of Molecular Recognition</i> , 2013, 26, 368-375.	1.1	16
43	Sequence-specific RNA cleavage by oligonucleotide-peptide conjugates. <i>Russian Chemical Bulletin</i> , 2002, 51, 1177-1186.	0.4	15
44	The Influence of Nearest Neighbours on the Efficiency of Coaxial Stacking at Contiguous Stacking Hybridization of Oligodeoxyribonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 1057-1064.	0.4	15
45	The Influence of the Non-Nucleotide Insert on the Hybridization Properties of Oligonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 1065-1071.	0.4	15
46	Physicochemical Properties of the Phosphoryl Guanidine Oligodeoxyribonucleotide Analogs. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 709-718.	0.3	15
47	Structural Variability of A-DNA in Crystals of the Octamer d(pCpCpCpGpCpGpGpG). <i>Journal of Biomolecular Structure and Dynamics</i> , 1997, 15, 151-163.	2.0	14
48	QCM-Based Measurement of Bond Rupture Forces in DNA Double Helices for Complementarity Sensing. <i>Langmuir</i> , 2014, 30, 3795-3801.	1.6	14
49	Phosphoryl guanidines: a new type of nucleic Acid analogues. <i>Acta Naturae</i> , 2014, 6, 116-8.	1.7	14
50	New oligonucleotide analogues based on morpholine subunits joined by oxalyl diamide tether. <i>Bioorganic Chemistry</i> , 2007, 35, 258-275.	2.0	12
51	Efficient Functionalization of Oligonucleotides by New Achiral Nonnucleosidic Monomers. <i>Organic Letters</i> , 2014, 16, 2842-2845.	2.4	12
52	Non-covalent binding of nucleic acids with gold nanoparticles provides their stability and effective desorption in environment mimicking biological media. <i>Nanotechnology</i> , 2018, 29, 355601.	1.3	12
53	Transport Oligonucleotides—A Novel System for Intracellular Delivery of Antisense Therapeutics. <i>Molecules</i> , 2020, 25, 3663.	1.7	12
54	5-BIS-PYRENYLATED OLIGONUCLEOTIDES DISPLAY ENHANCED EXCIMER FLUORESCENCE UPON HYBRIDIZATION WITH DNA AND RNA. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001, 20, 1859-1870.	0.4	11

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55	Efficiency of Coaxial Stacking Depends on the DNA Duplex Structure. <i>Journal of Biomolecular Structure and Dynamics</i> , 2003, 21, 459-467.	2.0	11
56	Oligonucleotide–Minor Groove Binder Conjugates and Their Complexes with Complementary DNA: Effect of Conjugate Structural Factors on the Thermal Stability of Duplexes. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 789-803.	0.4	11
57	G-specific RNA-cleaving Conjugates of Short Peptides and Oligodeoxyribonucleotides. <i>Journal of Biomolecular Structure and Dynamics</i> , 2006, 23, 591-602.	2.0	11
58	Application of W-band <sup>19</sup> F electron nuclear double resonance (ENDOR) spectroscopy to distance measurement using a trityl spin probe and a fluorine label. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 5982-6001.	1.3	11
59	Interaction of Oligonucleotides Conjugated to Substituted Chromones and Coumarins with HIV-1 Reverse Transcriptase. <i>Oligonucleotides</i> , 1999, 9, 473-480.	4.4	10
60	Nuclease Resistance and RNase H Sensitivity of Oligonucleotides Bridged by Oligomethylenediol and Oligoethylene Glycol Linkers. <i>Oligonucleotides</i> , 2001, 11, 77-85.	4.4	10
61	Considering the oligonucleotide secondary structures in thermodynamic and kinetic analysis of DNA duplex formation. <i>Biophysics (Russian Federation)</i> , 2012, 57, 19-34.	0.2	10
62	Study of a DNA Duplex by Nuclear Magnetic Resonance and Molecular Dynamics Simulations. Validation of Pulsed Dipolar Electron Paramagnetic Resonance Distance Measurements Using Triarylmethyl-Based Spin Labels. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5125-5133.	1.2	10
63	Pronounced therapeutic potential of oligonucleotides fixed on inorganic nanoparticles against highly pathogenic H5N1 influenza A virus in vivo. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 162, 92-98.	2.0	10
64	Antisense oligonucleotide gapmers containing phosphoryl guanidine groups reverse MDR1-mediated multiple drug resistance of tumor cells. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 211-226.	2.3	10
65	A new approach to enhancing the efficiency and specificity of interaction in duplexes by the use of tandem structure. <i>Pure and Applied Chemistry</i> , 1996, 68, 1321-1328.	0.9	9
66	Oligonucleotide-Peptide Conjugates for RNA Cleavage. <i>Nucleosides &amp; Nucleotides</i> , 1997, 16, 1571-1574.	0.5	9
67	Oligonucleotide Conjugates Designed for Discriminative Hybridization at Physiological Temperature. <i>Nucleosides &amp; Nucleotides</i> , 1998, 17, 1289-1297.	0.5	9
68	Title is missing!. <i>Molecular Biology</i> , 2000, 34, 840-851.	0.4	9
69	Oligonucleotide–Minor Groove Binder 1:2 Conjugates: Side by Side Parallel Minor Groove Binder Motif in Stabilization of DNA Duplex. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 953-968.	0.4	9
70	Thermodynamic description of oligonucleotide self-association in DNA concatamer structures. <i>Biophysics (Russian Federation)</i> , 2009, 54, 280-290.	0.2	9
71	New oligonucleotide derivatives as unreactive substrate analogues and potential inhibitors of human apurinic/apyrimidinic endonuclease APE1. <i>Molecular BioSystems</i> , 2016, 12, 67-75.	2.9	9
72	A new approach to precise thermodynamic characterization of hybridization properties of modified oligonucleotides: Comparative studies of deoxyribo- and glycine morpholine pentaadenines. <i>Biophysical Chemistry</i> , 2018, 234, 24-33.	1.5	9

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73	Synthetic Antimicrobial Peptides: I. Antimicrobial Activity of Amphiphilic and Nonamphiphilic Cationic Peptides. <i>Russian Journal of Bioorganic Chemistry</i> , 2018, 44, 492-503.	0.3	9
74	Amphiphilic "Like-A-Brush" Oligonucleotide Conjugates with Three Dodecyl Chains: Self-Assembly Features of Novel Scaffold Compounds for Nucleic Acids Delivery. <i>Nanomaterials</i> , 2020, 10, 1948.	1.9	9
75	Effects of Phosphoryl Guanidine Modification of Phosphate Residues on the Structure and Hybridization of Oligodeoxyribonucleotides. <i>Journal of Physical Chemistry B</i> , 2021, 125, 2841-2855.	1.2	9
76	Synthetic Antimicrobial Peptides: III "Effect of Cationic Groups of Lysine, Arginine, and Histidine on Antimicrobial Activity of Peptides with a Linear Type of Amphipathicity. <i>Russian Journal of Bioorganic Chemistry</i> , 2021, 47, 681-690.	0.3	9
77	Calculation of Energy for RNA/RNA and DNA/RNA Duplex Formation by Molecular Dynamics Simulation. <i>Molecular Biology</i> , 2021, 55, 927-940.	0.4	9
78	Synthesis and hybridization properties of the conjugates of oligonucleotides and stabilization agents "II. <i>Bioorganic and Medicinal Chemistry</i> , 1997, 5, 1903-1910.	1.4	8
79	A New Strategy of Discrimination of a Point Mutation by Tandem of Short Oligonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2000, 19, 1931-1941.	0.4	8
80	Ribonuclease Activity of the Peptides with Alternating Arginine and Leucine Residues Conjugated to Tetrathymidilate. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 885-890.	0.4	8
81	Multilayer associates based on oligonucleotides and gold nanoparticles. <i>Russian Journal of Bioorganic Chemistry</i> , 2017, 43, 64-70.	0.3	8
82	Phage display antibodies against ectromelia virus that neutralize variola virus: Selection and implementation for p35 neutralizing epitope mapping. <i>Antiviral Research</i> , 2018, 152, 18-25.	1.9	8
83	Long-term stability and scale-up of noncovalently bound gold nanoparticle-siRNA suspensions. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 2568-2578.	1.5	8
84	Antiviral Activity of a New Class of Chemically Modified Antisense Oligonucleotides against Influenza B Virus. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 774-782.	0.3	8
85	SDS "PAGE procedure: Application for characterization of new entirely uncharged nucleic acids analogs. <i>Electrophoresis</i> , 2018, 39, 670-674.	1.3	7
86	DNA Binding to Gold Nanoparticles through the Prism of Molecular Selection: Sequence "Affinity Relation. <i>Langmuir</i> , 2019, 35, 7916-7928.	1.6	7
87	Changes in the Ultrastructure of <i>Candida albicans</i> Treated with Cationic Peptides. <i>Microorganisms</i> , 2020, 8, 582.	1.6	7
88	Synthesis of Novel Representatives of Phosphoryl Guanidine Oligonucleotides. <i>Russian Journal of Bioorganic Chemistry</i> , 2021, 47, 380-389.	0.3	7
89	Detection of SARS-CoV-2 RNA by a Multiplex Reverse-Transcription Loop-Mediated Isothermal Amplification Coupled with Melting Curves Analysis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5743.	1.8	7
90	Enhancement of a hybridization analysis efficiency by the controlled DNA fragmentation. <i>Molecular Biology</i> , 2007, 41, 148-156.	0.4	6

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91	Isolation and Sequencing of Short Cell-Surface-Bound DNA. <i>Annals of the New York Academy of Sciences</i> , 2008, 1137, 47-50.	1.8	6
92	Oligonucleotide Functionalization by a Novel Alkyne-Modified Nonnucleosidic Reagent Obtained by Versatile Building Block Chemistry. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2013, 32, 306-319.	0.4	6
93	Pre-steady state kinetics of DNA binding and abasic site hydrolysis by tyrosyl-DNA phosphodiesterase 1. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 2314-2327.	2.0	6
94	QCM-based rupture force measurement as a tool to study DNA dehybridization and duplex stability. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 891-901.	1.9	6
95	Modified Oligonucleotides for Guiding RNA Cleavage Using Bacterial RNase P. <i>Molecular Biology</i> , 2018, 52, 905-912.	0.4	6
96	Study of the Staudinger Reaction and Reveal of Key Factors Affecting the Efficacy of Automatic Synthesis of Phosphoryl Guanidinic Oligonucleotide Analogs. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 699-708.	0.3	6
97	Structure and Hybridization Properties of Glycine Morpholine Oligomers in Complexes with DNA and RNA: Experimental and Molecular Dynamics Studies. <i>Journal of Physical Chemistry B</i> , 2019, 123, 10571-10581.	1.2	6
98	An Influence of Modification with Phosphoryl Guanidine Combined with a 2'-O-Methyl or 2'-Fluoro Group on the Small-Interfering-RNA Effect. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9784.	1.8	6
99	Title is missing!. <i>Russian Chemical Bulletin</i> , 2001, 50, 1410-1418.	0.4	5
100	Thermodynamics of Interaction of Phthalocyanine-Oligonucleotide Conjugates with Single- and Double-Stranded DNA. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 983-987.	0.4	5
101	Synthesis and hybridization properties of the conjugates of oligonucleotides and stabilization agents. Part 3. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 1515-1522.	1.4	5
102	Intracellular localization of natural and modified oligonucleotides in primary human endothelial cells. <i>Bulletin of Experimental Biology and Medicine</i> , 2007, 143, 204-206.	0.3	5
103	Modified Concatemeric Oligonucleotide Complexes: New System for Efficient Oligonucleotide Transfer into Mammalian Cells. <i>Human Gene Therapy</i> , 2008, 19, 532-546.	1.4	5
104	Oligonucleotide derivatives in nucleic acid hybridization analysis. III. Synthesis and investigation of properties of oligonucleotides, bearing bifunctional non-nucleotide insertion. <i>Russian Journal of Bioorganic Chemistry</i> , 2012, 38, 625-638.	0.3	5
105	Principles of DNA architectonics: design of DNA-based nanoobjects. <i>Russian Chemical Reviews</i> , 2012, 81, 130-157.	2.5	5
106	A new simple and convenient method for preparation of oligonucleotides containing a pyrene or a cholesterol moiety. <i>Russian Chemical Bulletin</i> , 2015, 64, 1678-1681.	0.4	5
107	QCM-based rapid analysis of DNA. <i>Sensing and Bio-Sensing Research</i> , 2015, 4, 11-15.	2.2	5
108	Novel Peptide Conjugates of Modified Oligonucleotides for Inhibition of Bacterial RNase P. <i>Frontiers in Pharmacology</i> , 2019, 10, 813.	1.6	5

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109	The NMR Structure of Estrone (Es)-tethered Tandem DNA Duplex: [d(5â€²pCAGCp3â€²)-Es] + [Es-d(5â€²pTCCA3â€²)]: d(5â€²pTGGAGCTG3â€²). <i>Journal of Biomolecular Structure and Dynamics</i> , 1997, 15, 499-516.	2.0	4
110	The Accurate Detection of One Point Mutations by Ligation of Short Oligonucleotides. <i>Nucleosides &amp; Nucleotides</i> , 1998, 17, 2143-2147.	0.5	4
111	The nature of stabilization of the tandem DNA duplex pTGGAGCTG-Â (pCAGC+(Phn-NH-(CH <sub>2</sub> ) <sub>3</sub> -NH)pTCCA) basing on the UV, CD, and two-dimensional NMR spectroscopy data. <i>Russian Journal of Bioorganic Chemistry</i> , 2000, 26, 337-349.	0.3	4
112	PACM-AN: Poly(N-Acryloylmorpholine)-Conjugated Antisense Oligonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2000, 19, 1281-1288.	0.4	4
113	Title is missing!. <i>Molecular Biology</i> , 2002, 36, 327-332.	0.4	4
114	Interaction of Keratin K1 with Nucleic Acids on the Cell Surface. <i>Biochemistry (Moscow)</i> , 2003, 68, 1239-1246.	0.7	4
115	Cell Surface Oligonucleotide-Binding Proteins of Human Squamous Carcinoma A431 Cells. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 1715-1719.	0.4	4
116	Gene cloning, purification, and characterization of recombinant DNA ligases of the thermophilic archaea <i>Pyrococcus abyssi</i> and <i>Methanobacterium thermoautotrophicum</i> . <i>Molecular Biology</i> , 2011, 45, 229-236.	0.4	4
117	Electrophoretic deposition of CdS colloidal nanoparticles onto an amorphous silicon membrane. <i>Semiconductors</i> , 2014, 48, 967-973.	0.2	4
118	In vitro selection of cell-internalizing 2â€²-modified RNA aptamers against <i>Pseudomonas aeruginosa</i> . <i>Russian Journal of Bioorganic Chemistry</i> , 2017, 43, 58-63.	0.3	4
119	A Comparative Study of the Hybridization of Phosphoryl Guanidine Oligonucleotides with DNA and RNA. <i>Russian Journal of Bioorganic Chemistry</i> , 2021, 47, 461-468.	0.3	4
120	Effect of Fluorescent Labels on DNA Affinity for Gold Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 1178.	1.9	4
121	Triazinylamidophosphate Oligonucleotides: Synthesis and Study of Their Interaction with Cells and DNA-Binding Proteins. <i>Russian Journal of Bioorganic Chemistry</i> , 2021, 47, 719-733.	0.3	4
122	A Lipid-Coated Nanoconstruct Composed of Gold Nanoparticles Noncovalently Coated with Small Interfering RNA: Preparation, Purification and Characterization. <i>Nanomaterials</i> , 2021, 11, 2775.	1.9	4
123	Hybridization properties and nuclease resistance of oligo(2â€²-O-tetrahydropyranylribonucleotides). <i>Russian Journal of Bioorganic Chemistry</i> , 2000, 26, 69-70.	0.3	3
124	Cleavage of RNA in hybrid duplexes by the <i>E. coli</i> ribonuclease H: II. Substrate properties of oligonucleotides containing nonnucleotide linkers. <i>Russian Journal of Bioorganic Chemistry</i> , 2000, 26, 758-764.	0.3	3
125	Development of a colorimetric test system for detection of point mutations via ligation of a tandem of short oligonucleotides on methacrylate beads. <i>Molecular Biology</i> , 2000, 34, 321-327.	0.4	3
126	Artificial ribonucleases: oligonucleotide-peptide conjugates that cleave RNA at the GpX and PypA phosphodiester bonds. <i>Doklady Biochemistry and Biophysics</i> , 2002, 385, 196-200.	0.3	3



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127	Title is missing!. Russian Chemical Bulletin, 2002, 51, 1204-1211.	0.4	3
128	Oligoribonucleotides with Functionalized Nucleobases as New Modifiers of Biopolymers. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1509-1512.	0.4	3
129	A New Approach to Revealing Point Mutations in DNA Analyzed by Colorimetric Detection. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 1023-1030.	0.4	3
130	Effect of structural factors on the stability of duplexes formed by oligonucleotide conjugates with minor groove binders. Russian Journal of Bioorganic Chemistry, 2005, 31, 146-152.	0.3	3
131	Data for isolation and properties analysis of diastereomers of a mono-substituted phosphoryl guanidine trideoxyribonucleotide. Data in Brief, 2019, 25, 104148.	0.5	3
132	Synthetic Antimicrobial Peptides. II. Antimicrobial and Hemolytic Activity of Cationic Peptides Containing Cysteine Residues with Free Sulfhydryl Groups. Russian Journal of Bioorganic Chemistry, 2019, 45, 833-841.	0.3	3
133	RNA-Cleaving Oligonucleotide-Peptide Conjugates. Nucleic Acids and Molecular Biology, 2004, , 151-172.	0.2	3
134	A New Approach to Potentiate Site-Specific Hybridization: A set of Hydrophobic Heterobifunctional Short Oligodeoxyribonucleotides. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 1065-1068.	0.4	2
135	Special Properties of Modification of SsDNA Target by Alkylating Derivatives of Oligonucleotides in Tandem Complexes. Nucleosides & Nucleotides, 1998, 17, 2149-2152.	0.5	2
136	HIV-1 Reverse transcriptase is capable of elongating derivatives of sequence specific noncomplementary oligodeoxynucleotides. IUBMB Life, 1998, 45, 857-864.	1.5	2
137	CD and Melting Curves Structural Studies of the Tandem DNA Complex Formed with Oligonucleotides Carrying Photoactive and Sensitizing Groups in the Nick Region. Journal of Biomolecular Structure and Dynamics, 2001, 19, 515-526.	2.0	2
138	Title is missing!. Russian Chemical Bulletin, 2002, 51, 1194-1197.	0.4	2
139	Bridged oligonucleotides as molecular probes for investigation of enzyme-substrate interaction and allele-specific analysis of DNA. Biochemistry (Moscow), 2009, 74, 1009-1020.	0.7	2
140	Analytical consideration of the selectivity of oligonucleotide hybridization. Journal of Biophysical Chemistry, 2011, 02, 75-91.	0.1	2
141	Effect of the relief on the measurement of bond rupture force with the help of AFM: the dynamics of interaction and optimization of the procedure. Analytical Methods, 2018, 10, 3498-3505.	1.3	2
142	Novel Bisimidazole-Containing Peptidomimetic Molecules for ðœœtal-Independent RNA Cleavage: Synthesis and Solid-Phase Screening Method. Russian Journal of Bioorganic Chemistry, 2019, 45, 813-824.	0.3	2
143	G-quadruplex 2â€²-F-modified RNA aptamers targeting hemoglobin: Structure studies and colorimetric assays. Analytical Biochemistry, 2020, 611, 113886.	1.1	2
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