

# Timofei Zatsepin

## List of Publications by Year in descending order

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148  
papers

2,540  
citations

257101

24  
h-index

264894

42  
g-index

157  
all docs

157  
docs citations

157  
times ranked

3390  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure-guided chemical modification of guide RNA enables potent non-viral in vivo genome editing. <i>Nature Biotechnology</i> , 2017, 35, 1179-1187.	9.4	375
2	&lt;div&gt;Lipid nanoparticles for targeted siRNA delivery &ndash; going from bench to bedside&lt;/div&gt;. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 3077-3086.	3.3	129
3	Synthesis of Peptideâ€™Oligonucleotide Conjugates with Single and Multiple Peptides Attached to 2â€™-Aldehydes through Thiazolidine, Oxime, and Hydrazine Linkages. <i>Bioconjugate Chemistry</i> , 2002, 13, 822-830.	1.8	117
4	Conjugates of Oligonucleotides and Analogues with Cell Penetrating Peptides as Gene Silencing Agents. <i>Current Pharmaceutical Design</i> , 2005, 11, 3639-3654.	0.9	88
5	Use of Carbonyl Group Additionâ€™Elimination Reactions for Synthesis of Nucleic Acid Conjugates. <i>Bioconjugate Chemistry</i> , 2005, 16, 471-489.	1.8	82
6	Ferrocene-containing nucleic acids. Synthesis and electrochemical properties. <i>Russian Chemical Reviews</i> , 2003, 72, 537-554.	2.5	66
7	Synthesis and Applications of Oligonucleotide?Carbohydrate Conjugates. <i>Chemistry and Biodiversity</i> , 2004, 1, 1401-1417.	1.0	50
8	mRNA-based therapeuticsâ€™Advances and perspectives. <i>Biochemistry (Moscow)</i> , 2016, 81, 709-722.	0.7	49
9	Maturation of the Translation Inhibitor Microcin C. <i>Journal of Bacteriology</i> , 2009, 191, 2380-2387.	1.0	43
10	Application of sorting and next generation sequencing to study 5â€™-UTR influence on translation efficiency in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2017, 45, 3487-3502.	6.5	40
11	Probing of HIV-1 Integrase/DNA Interactions Using Novel Analogs of Viral DNA. <i>Journal of Biological Chemistry</i> , 2006, 281, 11530-11540.	1.6	39
12	Method for site-specific detection of m6A nucleoside presence in RNA based on high-resolution melting (HRM) analysis. <i>Nucleic Acids Research</i> , 2014, 42, e27-e27.	6.5	39
13	Integrator is a key component of human telomerase RNA biogenesis. <i>Scientific Reports</i> , 2019, 9, 1701.	1.6	37
14	Automated Solid-Phase Click Synthesis of Oligonucleotide Conjugates: From Small Molecules to Diverse <i>N</i>-Acetylgalactosamine Clusters. <i>Bioconjugate Chemistry</i> , 2017, 28, 2599-2607.	1.8	36
15	Multifunctional nanostructured drug delivery carriers for cancer therapy: Multimodal imaging and ultrasound-induced drug release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 200, 111576.	2.5	36
16	Biodegradable Polymeric Multilayer Capsules for Therapy of Lung Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 5610-5623.	4.0	35
17	lncRNA in the liver: Prospects for fundamental research and therapy by RNA interference. <i>Biochimie</i> , 2016, 131, 159-172.	1.3	33
18	Fine Tuning of Pyrene Excimer Fluorescence in Molecular Beacons by Alteration of the Monomer Structure. <i>Journal of Organic Chemistry</i> , 2017, 82, 10015-10024.	1.7	33

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19	Mechanistic comparison of <i>Bacillus subtilis</i> 6S-1 and 6S-2 RNAs' commonalities and differences. <i>Rna</i> , 2014, 20, 348-359.	1.6	32
20	Novel Cluster and Monomer-Based GalNAc Structures Induce Effective Uptake of siRNAs in Vitro and in Vivo. <i>Bioconjugate Chemistry</i> , 2018, 29, 2478-2488.	1.8	32
21	Focused ultrasound-mediated fluorescence of composite microcapsules loaded with magnetite nanoparticles: In vitro and in vivo study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 680-687.	2.5	31
22	Interaction of nucleotide excision repair factors XPC-HR23B, XPA, and RPA with damaged DNA. <i>Biochemistry (Moscow)</i> , 2008, 73, 886-896.	0.7	30
23	i-Clamp phenoxazine for the fine tuning of DNA i-motif stability. <i>Nucleic Acids Research</i> , 2018, 46, 2751-2764.	6.5	26
24	Translation at first sight: the influence of leading codons. <i>Nucleic Acids Research</i> , 2020, 48, 6931-6942.	6.5	26
25	NHEJ pathway is involved in post-integrational DNA repair due to Ku70 binding to HIV-1 integrase. <i>Retrovirology</i> , 2019, 16, 30.	0.9	24
26	Synthesis of Modified Nucleotide Building Blocks Containing Electrophilic Groups in the 2'-Position. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2000, 19, 1693-1707.	0.4	22
27	Influence of the spacer region between the Shine-Dalgarno box and the start codon for fine-tuning of the translation efficiency in <i>Escherichia coli</i> . <i>Microbial Biotechnology</i> , 2020, 13, 1254-1261.	2.0	21
28	Ribosomal leaky scanning through a translated uORF requires eIF4G2. <i>Nucleic Acids Research</i> , 2022, 50, 1111-1127.	6.5	21
29	Clustered DNA Lesions Containing 5-Formyluracil and AP Site: Repair via the BER System. <i>PLoS ONE</i> , 2013, 8, e68576.	1.1	20
30	Structure and function of the N-terminal domain of the yeast telomerase reverse transcriptase. <i>Nucleic Acids Research</i> , 2018, 46, 1525-1540.	6.5	19
31	Optical clearing for photoacoustic lympho- and angiography beyond conventional depth limit in vivo. <i>Photoacoustics</i> , 2020, 20, 100186.	4.4	19
32	Downregulation of the Arg/N-degron Pathway Sensitizes Cancer Cells to Chemotherapy In Vivo. <i>Molecular Therapy</i> , 2020, 28, 1092-1104.	3.7	19
33	Restriction Endonuclease SsoI with Photoregulated Activity: a Molecular Gate Approach. <i>Bioconjugate Chemistry</i> , 2011, 22, 1366-1373.	1.8	18
34	Characterization of HIV-1 integrase interaction with human Ku70 protein and initial implications for drug targeting. <i>Scientific Reports</i> , 2017, 7, 5649.	1.6	18
35	Mesyl Phosphoramidate Oligonucleotides as Potential Splice-Switching Agents: Impact of Backbone Structure on Activity and Intracellular Localization. <i>Nucleic Acid Therapeutics</i> , 2021, 31, 190-200.	2.0	18
36	2'-Functionalized Nucleic Acids as Structural Tools in Molecular Biology. <i>IUBMB Life</i> , 2004, 56, 209-214.	1.5	17

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37	Synthesis of DNA conjugates by solid-phase fragment condensation via aldehyde–nucleophile coupling. <i>Tetrahedron Letters</i> , 2005, 46, 3191-3195.	0.7	17
38	Synthesis and biological evaluation of novel mono- and bivalent ASGP-R-targeted drug-conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 382-387.	1.0	17
39	Human Ku70 protein binds hairpin RNA and double stranded DNA through two different sites. <i>Biochimie</i> , 2017, 132, 85-93.	1.3	16
40	Nucleosides and oligonucleotides containing 2'-reactive groups: synthesis and applications. <i>Russian Chemical Reviews</i> , 2004, 73, 701-733.	2.5	15
41	Structure–activity relationship study for design of highly active covalent peroxidase-mimicking DNAzyme. <i>RSC Advances</i> , 2015, 5, 51672-51677.	1.7	15
42	Synthesis of oligonucleotides containing novel G-clamp analogue with C8-tethered group in phenoxazine ring: Implication to qPCR detection of the low-copy Kemerovo virus dsRNA. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3597-3605.	1.4	15
43	RNA Helicases as Shadow Modulators of Cell Cycle Progression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2984.	1.8	15
44	Synthesis of 2'-O-alkylnucleosides. <i>Russian Chemical Reviews</i> , 2002, 71, 513-534.	2.5	14
45	Structure-based cross-linking of NF- $\kappa$ B p50 homodimer and decoy bearing a novel 2 $\alpha$ -disulfide trapping site. <i>IUBMB Life</i> , 2006, 58, 654-658.	1.5	14
46	eIF4G2 balances its own mRNA translation via a PCBP2-based feedback loop. <i>Rna</i> , 2019, 25, 757-767.	1.6	14
47	In Vivo RNAi-Mediated eIF3m Knockdown Affects Ribosome Biogenesis and Transcription but Has Limited Impact on mRNA-Specific Translation. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 19, 252-266.	2.3	14
48	Magnetic Nanoparticles as a Tool for Remote DNA Manipulations at a Single-Molecule Level. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 14458-14469.	4.0	14
49	Anisotropic expansion of hepatocyte lumina enforced by apical bulkheads. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	14
50	Oligonucleotides containing 2 $\alpha$ -O-[2-(2,3-dihydroxypropyl)amino-2-oxoethyl]uridine as suitable precursors of 2 $\alpha$ -aldehyde oligonucleotides for chemoselective ligation. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 4912-4920.	1.4	13
51	Silver(I)-mediated base pairing in parallel-stranded DNA involving the luminescent cytosine analog 1,3-diaza-2-oxophenoxazine. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 693-702.	1.1	13
52	Design and Synthesis of 2-Functionalised Oligonucleotides. Their Application for Covalent Trapping the Protein – DNA Complexes. <i>Current Organic Chemistry</i> , 2009, 13, 1029-1049.	0.9	13
53	Design of photocontrolled biomolecules based on azobenzene derivatives. <i>Russian Chemical Reviews</i> , 2013, 82, 942-963.	2.5	12
54	Tetrahedral DNA conjugates from pentaerythritol-based polyazides. <i>Tetrahedron</i> , 2016, 72, 2386-2391.	1.0	12

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55	Synthesis and biological evaluation of novel doxorubicin-containing ASGP-R-targeted drug-conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 503-508.	1.0	12
56	Novel Lipid-Oligonucleotide Conjugates Containing Long-Chain Sulfonyl Phosphoramidate Groups: Synthesis and Biological Properties. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1174.	1.3	12
57	Modification of Adenosine196 by Mett13 Methyltransferase in the 5â€™-External Transcribed Spacer of 47S Pre-rRNA Affects rRNA Maturation. <i>Cells</i> , 2020, 9, 1061.	1.8	11
58	Indocyanine green dye based bimodal contrast agent tested by photoacoustic/fluorescence tomography setup. <i>Biomedical Optics Express</i> , 2021, 12, 3181.	1.5	11
59	Synthesis of 2â€™-Modified Oligonucleotides Containing Aldehyde or Ethylenediamine Groups. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 1383-1385.	0.4	10
60	Covalent binding of modified nucleic acids to proteins as a method for investigation of specific proteinâ€“nucleic acid interactions. <i>Russian Chemical Reviews</i> , 2005, 74, 77-95.	2.5	10
61	DNA-methyltransferase SsoII as a bifunctional protein: Features of the interaction with the promoter region of SsoII restriction-modification genes. <i>Biochemistry (Moscow)</i> , 2006, 71, 1341-1349.	0.7	10
62	New azobenzene derivatives for directed modification of proteins. <i>Russian Journal of Bioorganic Chemistry</i> , 2009, 35, 549-555.	0.3	10
63	A new fluorometric assay for the study of DNA-binding and 3â€™-processing activities of retroviral integrases and its use for screening of HIV-1 integrase inhibitors. <i>Biochimie</i> , 2012, 94, 2382-2390.	1.3	10
64	Specificity of SNP detection with molecular beacons is improved by stem and loop separation with spacers. <i>Analyst, The</i> , 2017, 142, 945-950.	1.7	10
65	Translation elongation factor 2 depletion by siRNA in mouse liver leads to mTOR-independent translational upregulation of ribosomal protein genes. <i>Scientific Reports</i> , 2020, 10, 15473.	1.6	10
66	Panel of potential lncRNA biomarkers can distinguish various types of liver malignant and benign tumors. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 49-59.	1.2	10
67	Improved Electroactivity of Redox Probes onto Electropolymerized Azidomethyl-PEDOT: Enabling Click Chemistry for Advanced (Bio)Sensors. <i>ACS Applied Polymer Materials</i> , 2021, 3, 1518-1524.	2.0	10
68	Modulation of RNA Splicing by Oligonucleotides: Mechanisms of Action and Therapeutic Implications. <i>Nucleic Acid Therapeutics</i> , 2022, 32, 123-138.	2.0	10
69	Synthesis of 2â€™-hydrazine oligonucleotides and their efficient conjugation with aldehydes and 1,3-diketones. <i>Tetrahedron Letters</i> , 2006, 47, 5515-5518.	0.7	9
70	Chimeric bifunctional oligonucleotides as a novel tool to invade telomerase assembly. <i>Nucleic Acids Research</i> , 2014, 42, 9531-9542.	6.5	9
71	Oligonucleotide inhibitors of telomerase: Prospects for anticancer therapy and diagnostics. <i>Biochemistry (Moscow)</i> , 2015, 80, 251-259.	0.7	9
72	Analysis of the Cleavage Mechanism by Protein-Only RNase P Using Precursor tRNA Substrates with Modifications at the Cleavage Site. <i>Journal of Molecular Biology</i> , 2016, 428, 4917-4928.	2.0	9

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73	Cy5/BHQ dyeâ€“quencher pairs in fluorogenic qPCR probes: effects of charge and hydrophobicity. <i>Analytical Methods</i> , 2016, 8, 5826-5831.	1.3	9
74	Novel homo Yin-Yang probes improve sensitivity in RT-qPCR detection of low copy HIV RNA. <i>Talanta</i> , 2019, 194, 226-232.	2.9	9
75	DNA detection by dye labeled oligonucleotides using surface enhanced Raman spectroscopy. <i>Mendeleev Communications</i> , 2020, 30, 18-21.	0.6	9
76	Analysis of RNA binding properties of human Ku protein reveals its interactions with 7SK snRNA and protein components of 7SK snRNP complex. <i>Biochimie</i> , 2020, 171-172, 110-123.	1.3	9
77	Excimer-FRET Cascade in Dual DNA Probes: Open Access to Large Stokes Shift, Enhanced Acceptor Light up, and Robust RNA Sensing. <i>Analytical Chemistry</i> , 2020, 92, 7028-7036.	3.2	9
78	Glucocorticoid-induced leucine zipper regulates liver fibrosis by suppressing CCL2-mediated leukocyte recruitment. <i>Cell Death and Disease</i> , 2021, 12, 421.	2.7	9
79	Glycosylation of Receptor Binding Domain of SARS-CoV-2 S-Protein Influences on Binding to Immobilized DNA Aptamers. <i>International Journal of Molecular Sciences</i> , 2022, 23, 557.	1.8	9
80	Affinity Modification of the Restriction Endonuclease SsoI by 2â€“Aldehyde-Containing Double Stranded DNAs. <i>Biochemistry (Moscow)</i> , 2005, 70, 941-947.	0.7	8
81	Analysis of DNA-Protein Interactions in Complexes of Transcription Factor NF-Î³B with DNA. <i>Biochemistry (Moscow)</i> , 2005, 70, 1212-1222.	0.7	8
82	A new approach to the synthesis of ligands of asialoglycoprotein receptor for targeted delivery of oligonucleotides to hepatocytes. <i>Russian Chemical Bulletin</i> , 2015, 64, 1655-1662.	0.4	8
83	Solid- and solution-phase synthesis and application of R6G dual-labeled oligonucleotide probes. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 6749-6756.	1.4	8
84	1-Phenylethynylpyrene (PEPy) as a novel blue-emitting dye for qPCR assay. <i>Analyst</i> , The, 2016, 141, 1331-1338.	1.7	8
85	Noncoding RNA in Liver Regenerationâ€“From Molecular Mechanisms to Clinical Implications. <i>Seminars in Liver Disease</i> , 2020, 40, 070-083.	1.8	8
86	Red light-triggered photoreduction on a nucleic acid template. <i>Chemical Communications</i> , 2020, 56, 10026-10029.	2.2	8
87	Hematopoietically-expressed homeobox protein HHEX regulates adipogenesis in preadipocytes. <i>Biochimie</i> , 2021, 185, 68-77.	1.3	8
88	Structureâ€“Activity Relationship Studies of HIV-1 Integrase Oligonucleotide Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2011, 2, 532-537.	1.3	7
89	Design of 2â€“phenylethynylpyrene excimer forming DNA/RNA probes for homogeneous SNP detection: The attachment manner matters. <i>Tetrahedron</i> , 2017, 73, 3220-3230.	1.0	7
90	Barnase encapsulation into submicron porous CaCO <sub>3</sub> particles: studies of loading and enzyme activity. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8823-8831.	2.9	7

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91	Silver(I)-mediated base pairing in DNA involving the artificial nucleobase 7,8-dihydro-8-oxo-1,N6-ethenoadenine. <i>Journal of Inorganic Biochemistry</i> , 2021, 219, 111369.	1.5	7
92	Probing GFP Chromophore Analogs as Anti-HIV Agents Targeting LTR-III G-Quadruplex. <i>Biomolecules</i> , 2021, 11, 1409.	1.8	7
93	Crosslinking of Transcription Factor NF- $\kappa$ B with a DNA Ligand Bearing the 2"-Aldehyde Group. <i>Molecular Biology</i> , 2002, 36, 705-707.	0.4	6
94	Robust technique for dispersion of single-walled carbon nanotubes in aqueous solutions with tRNA. <i>Carbon</i> , 2019, 151, 175-180.	5.4	6
95	Upregulation of Mcl-1S Causes Cell-Cycle Perturbations and DNA Damage Accumulation. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 543066.	1.8	6
96	Murine Long Noncoding RNA Morbid Contributes in the Regulation of NRAS Splicing in Hepatocytes In Vitro. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5605.	1.8	6
97	Effect of Surface Modification of Multifunctional Nanocomposite Drug Delivery Carriers with DARPin on Their Biodistribution <i>&lt;i&gt;In Vitro&lt;/i&gt;</i> and <i>&lt;i&gt;In Vivo&lt;/i&gt;</i> . <i>ACS Applied Bio Materials</i> , 0, , .	2.3	6
98	Efficient conjugation and preferential DNA binding of oligonucleotides containing 2 $\alpha$ -O-(2-oxoethyl)arabinouridine. <i>Tetrahedron Letters</i> , 2004, 45, 7327-7330.	0.7	5
99	Phenylethynylpyrene Excimer Forming Hybridization Probes for Fluorescence SNP Detection. <i>Methods in Molecular Biology</i> , 2009, 578, 209-222.	0.4	5
100	<i>&lt;scp&gt;TERRA&lt;/scp&gt;</i> mimicking <i>&lt;scp&gt;ssRNAs&lt;/scp&gt;</i> prevail over the <i>&lt;scp&gt;DNA&lt;/scp&gt;</i> substrate for telomerase <i>&lt;scp&gt;i&gt;in vitro&lt;/i&gt;&lt;/scp&gt;</i> due to interactions with the alternative binding site. <i>Journal of Molecular Recognition</i> , 2016, 29, 242-247.	1.1	5
101	A study on endonuclease BspD6I and its stimulus-responsive switching by modified oligonucleotides. <i>PLoS ONE</i> , 2018, 13, e0207302.	1.1	5
102	Synthesis of $\hat{1}^2$ -Diketone DNA Derivatives for Affinity Modification of Proteins. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 144-154.	0.3	5
103	DNA i-Motifs With Guanidino-i-Clamp Residues: The Counterplay Between Kinetics and Thermodynamics and Implications for the Design of pH Sensors. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 527-536.	1.9	5
104	Toehold-Mediated Selective Assembly of Compact Discrete DNA Nanostructures. <i>Langmuir</i> , 2020, 36, 15119-15127.	1.6	5
105	The Arg/N-Degron Pathway $\hat{e}$ "A Potential Running Back in Fine-Tuning the Inflammatory Response?. <i>Biomolecules</i> , 2020, 10, 903.	1.8	5
106	Phenoxazine pseudonucleotides in DNA i-motifs allow precise profiling of small molecule binders by fluorescence monitoring. <i>Analyst, The</i> , 2021, 146, 4436-4440.	1.7	5
107	Genomic DNA i-motifs as fast sensors responsive to near-physiological pH microchanges. <i>Biosensors and Bioelectronics</i> , 2021, 175, 112864.	5.3	5
108	Modulation of HIV-1 Integrase Activity by Single-Stranded Oligonucleotides and their Conjugates with Eosin. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2011, 30, 651-666.	0.4	4

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109	Immunolocalization of Picornavirus RNA in infected cells with antibodies to Tyr-pUp, the covalent linkage unit between VPg and RNA. <i>Journal of Virological Methods</i> , 2011, 171, 206-211.	1.0	4
110	Dynamics of human telomerase RNA structure revealed by antisense oligonucleotide technique. <i>Biochimie</i> , 2013, 95, 2423-2428.	1.3	4
111	Suicide inactivation of covalent peroxidase-mimicking DNAzyme with hydrogen peroxide and its protection by a reductant substrate. <i>Talanta</i> , 2016, 155, 212-215.	2.9	4
112	Molecular beacons with JOE dye: Influence of linker and 3â€² couple quencher. <i>Molecular and Cellular Probes</i> , 2016, 30, 285-290.	0.9	4
113	Direct injection of SWCNTs into liquid after supercritical nitrogen treatment. <i>Carbon</i> , 2019, 152, 66-69.	5.4	4
114	Identification of a long non-coding RNA regulator of liver carcinoma cell survival. <i>Cell Death and Disease</i> , 2021, 12, 178.	2.7	4
115	Bak and Bcl-xL Participate in Regulating Sensitivity of Solid Tumor Derived Cell Lines to Mcl-1 Inhibitors. <i>Cancers</i> , 2022, 14, 181.	1.7	4
116	Role of RNA Biogenesis Factors in the Processing and Transport of Human Telomerase RNA. <i>Biomedicines</i> , 2022, 10, 1275.	1.4	4
117	Synthesis of (2?S)- and (2?R)-2?-Deoxy-2?-(2-methoxyethoxy)amino] Pyrimidine Nucleosides and Oligonucleotides. <i>Chemistry and Biodiversity</i> , 2004, 1, 1537-1545.	1.0	3
118	2â€²-Hydrazine oligonucleotides: synthesis and efficient conjugation with aldehydes. <i>Nucleic Acids Symposium Series</i> , 2005, 49, 133-134.	0.3	3
119	Design and Visualization of DNA/RNA Nanostructures from Branched Oligonucleotides Using Blender Software. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 608-618.	0.3	3
120	Long Noncoding RNA LL35/Falcor Regulates Expression of Transcription Factor Foxa2 in Hepatocytes in Normal and Fibrotic Mouse Liver. <i>Acta Naturae</i> , 2019, 11, 66-74.	1.7	3
121	7,8-Dihydro-8-oxo-1,6-ethenoadenine: an exclusively Hoogsteen-paired thymine mimic in DNA that induces Aâ†T transversions in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2022, 50, 3056-3069.	6.5	3
122	Preparation Of 2â€²-Hydrazino Oligonucleotides And Their Reaction With Aldehydes And 1,3-Diketones. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 795-798.	0.4	2
123	Oligonucleotide Primers with G8AE-Clamp Modifications for RT-qPCR Detection of the Low-Copy dsRNA. <i>Methods in Molecular Biology</i> , 2019, 1973, 281-297.	0.4	2
124	Comparative Analysis of Long Noncoding RNA Expression in Human Hepatocyte Cell Lines and Liver. <i>Doklady Biochemistry and Biophysics</i> , 2020, 493, 181-184.	0.3	2
125	Level of Murine DDX3 RNA Helicase Determines Phenotype Changes of Hepatocytes In Vitro and In Vivo. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6958.	1.8	2
126	Synthesis of GalNAc-Oligonucleotide Conjugates Using GalNAc Phosphoramidite and Triple-GalNAc CPG Solid Support. <i>Methods in Molecular Biology</i> , 2021, 2282, 101-118.	0.4	2



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127	Influence of Drug Resistance Mutations on the Activity of HIV-1 Subtypes A and B Integrases: a Comparative Study. <i>Acta Naturae</i> , 2015, 7, 78-86.	1.7	2
128	Influence of Drug Resistance Mutations on the Activity of HIV-1 Subtypes A and B Integrases: a Comparative Study. <i>Acta Naturae</i> , 2015, 7, 78-86.	1.7	2
129	Reactive oxygen species-responsive RNA interference. <i>Chemical Communications</i> , 2022, 58, 4388-4391.	2.2	2
130	Synthesis and properties of oligodeoxyribonucleotides containing 2'-O-(2,3-dihydroxypropyl)- and 2'-O-(2-oxoethyl)arabinouridine residues. <i>Russian Chemical Bulletin</i> , 2005, 54, 238-246.	0.4	1
131	Metal ion Chelate-Assisted Ligation (CHESS LIGA) for SNP detection on microarrays. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 4018-4021.	1.0	1
132	Usage of rRNA-methyltransferase for site-specific fluorescent labeling. <i>Moscow University Chemistry Bulletin</i> , 2012, 67, 88-93.	0.2	1
133	Design and Validation of siRNA Targeting Gankyrin in the Murine Liver. <i>Russian Journal of Bioorganic Chemistry</i> , 2021, 47, 441-446.	0.3	1
134	Template-Assisted Assembly of DNA Nanostructures from Branched Oligonucleotides. <i>Russian Journal of Bioorganic Chemistry</i> , 2021, 47, 700-712.	0.3	1
135	Synthesis of 2'-modified oligonucleotides and their conjugates. , 2002, , .		1
136	Short Duplex Module Coupled to G-Quadruplexes Increases Fluorescence of Synthetic GFP Chromophore Analogues. <i>Sensors</i> , 2020, 20, 915.	2.1	1
137	RT-qPCR Detection of Low-Copy HIV RNA with Yin-Yang Probes. <i>Methods in Molecular Biology</i> , 2020, 2063, 27-35.	0.4	1
138	Reactive Acrylamide-Modified DNA Traps for Accurate Cross-Linking with Cysteine Residues in DNA-Protein Complexes Using Mismatch Repair Protein MutS as a Model. <i>Molecules</i> , 2022, 27, 2438.	1.7	1
139	Ferrocene-Containing Nucleic Acids. Synthesis and Electrochemical Properties. <i>ChemInform</i> , 2003, 34, no.	0.1	0
140	Nucleosides and Oligonucleotides Containing 2'-Reactive Groups: Synthesis and Applications.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
141	Covalent Binding of Modified Nucleic Acids to Proteins as a Method for Investigation of Specific Protein-Nucleic Acid Interactions. <i>ChemInform</i> , 2005, 36, no.	0.1	0
142	Use of Carbonyl Group Addition-Elimination Reactions for Synthesis of Nucleic Acid Conjugates. <i>ChemInform</i> , 2005, 36, no.	0.1	0
143	Synthesis and Applications of Oligonucleotide-Carbohydrate Conjugates. <i>ChemInform</i> , 2005, 36, no.	0.1	0
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