

Timofei Zatsepin

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131
papers

1,758
citations

20
h-index

36
g-index

157
ext. papers

2,196
ext. citations

5.4
avg, IF

4.78
L-index

#	Paper	IF	Citations
131	Structure-guided chemical modification of guide RNA enables potent non-viral in vivo genome editing. <i>Nature Biotechnology</i> , 2017 , 35, 1179-1187	44.5	255
130	Lipid nanoparticles for targeted siRNA delivery - going from bench to bedside. <i>International Journal of Nanomedicine</i> , 2016 , 11, 3077-86	7.3	106
129	Synthesis of peptide-oligonucleotide conjugates with single and multiple peptides attached to 2'-aldehydes through thiazolidine, oxime, and hydrazine linkages. <i>Bioconjugate Chemistry</i> , 2002 , 13, 822-30	6.3	102
128	Conjugates of oligonucleotides and analogues with cell penetrating peptides as gene silencing agents. <i>Current Pharmaceutical Design</i> , 2005 , 11, 3639-54	3.3	82
127	Use of carbonyl group addition-elimination reactions for synthesis of nucleic acid conjugates. <i>Bioconjugate Chemistry</i> , 2005 , 16, 471-89	6.3	78
126	Ferrocene-containing nucleic acids. Synthesis and electrochemical properties. <i>Russian Chemical Reviews</i> , 2003 , 72, 537-554	6.8	63
125	Synthesis and applications of oligonucleotide-carbohydrate conjugates. <i>Chemistry and Biodiversity</i> , 2004 , 1, 1401-17	2.5	45
124	mRNA-Based Therapeutics—Advances and Perspectives. <i>Biochemistry (Moscow)</i> , 2016 , 81, 709-22	2.9	36
123	Probing of HIV-1 integrase/DNA interactions using novel analogs of viral DNA. <i>Journal of Biological Chemistry</i> , 2006 , 281, 11530-40	5.4	35
122	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	20.1	34
121	Maturation of the translation inhibitor microcin C. <i>Journal of Bacteriology</i> , 2009 , 191, 2380-7	3.5	34
120	Automated Solid-Phase Click Synthesis of Oligonucleotide Conjugates: From Small Molecules to Diverse N-Acetylgalactosamine Clusters. <i>Bioconjugate Chemistry</i> , 2017 , 28, 2599-2607	6.3	27
119	Interaction of nucleotide excision repair factors XPC-HR23B, XPA, and RPA with damaged DNA. <i>Biochemistry (Moscow)</i> , 2008 , 73, 886-96	2.9	27
118	Biodegradable Polymeric Multilayer Capsules for Therapy of Lung Cancer. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 5610-5623	9.5	24
117	lncRNA in the liver: Prospects for fundamental research and therapy by RNA interference. <i>Biochimie</i> , 2016 , 131, 159-172	4.6	24
116	Mechanistic comparison of Bacillus subtilis 6S-1 and 6S-2 RNAs—commonalities and differences. <i>Rna</i> , 2014 , 20, 348-59	5.8	24
115	Application of sorting and next generation sequencing to study 5EJTR influence on translation efficiency in Escherichia coli. <i>Nucleic Acids Research</i> , 2017 , 45, 3487-3502	20.1	23

114	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	4.2	23
113	Integrator is a key component of human telomerase RNA biogenesis. <i>Scientific Reports</i> , 2019 , 9, 1701	4.9	20
112	i-Clamp phenoxazine for the fine tuning of DNA i-motif stability. <i>Nucleic Acids Research</i> , 2018 , 46, 2751-2764	2.6	18
111	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	6.3	18
110	Synthesis of modified nucleotide building blocks containing electrophilic groups in the 2'-position. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2000 , 19, 1693-707	1.4	18
109	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	6	17
108	Restriction endonuclease SsoI with photoregulated activity--a "molecular gate" approach. <i>Bioconjugate Chemistry</i> , 2011 , 22, 1366-73	6.3	17
107	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	6	17
106	Clustered DNA lesions containing 5-formyluracil and AP site: repair via the BER system. <i>PLoS ONE</i> , 2013 , 8, e68576	3.7	16
105	Structure and function of the N-terminal domain of the yeast telomerase reverse transcriptase. <i>Nucleic Acids Research</i> , 2018 , 46, 1525-1540	20.1	15
104	Synthesis of DNA conjugates by solid-phase fragment condensation via aldehyde-nucleophile coupling. <i>Tetrahedron Letters</i> , 2005 , 46, 3191-3195	2	15
103	2'-Functionalized nucleic acids as structural tools in molecular biology. <i>IUBMB Life</i> , 2004 , 56, 209-14	4.7	14
102	Structure-activity relationship study for design of highly active covalent peroxidase-mimicking DNAzyme. <i>RSC Advances</i> , 2015 , 5, 51672-51677	3.7	13
101	NHEJ pathway is involved in post-integrational DNA repair due to Ku70 binding to HIV-1 integrase. <i>Retrovirology</i> , 2019 , 16, 30	3.6	12
100	Design of photocontrolled biomolecules based on azobenzene derivatives. <i>Russian Chemical Reviews</i> , 2013 , 82, 942-963	6.8	11
99	Structure-based cross-linking of NF-kappaB p50 homodimer and decoy bearing a novel 2'-disulfide trapping site. <i>IUBMB Life</i> , 2006 , 58, 654-8	4.7	11
98	Nucleosides and oligonucleotides containing 2'-reactive groups: synthesis and applications. <i>Russian Chemical Reviews</i> , 2004 , 73, 701-733	6.8	11
97	Synthesis of 2'-O-alkylnucleosides. <i>Russian Chemical Reviews</i> , 2002 , 71, 513-534	6.8	11

96	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	2.9	11
95	Translation at first sight: the influence of leading codons. <i>Nucleic Acids Research</i> , 2020 , 48, 6931-6942	20.1	10
94	Optical clearing for photoacoustic lympho- and angiography beyond conventional depth limit. <i>Photoacoustics</i> , 2020 , 20, 100186	9	10
93	Characterization of HIV-1 integrase interaction with human Ku70 protein and initial implications for drug targeting. <i>Scientific Reports</i> , 2017 , 7, 5649	4.9	10
92	New azobenzene derivatives for directed modification of proteins. <i>Russian Journal of Bioorganic Chemistry</i> , 2009 , 35, 549-555	1	10
91	Oligonucleotides containing 2'-O-[2-(2,3-dihydroxypropyl)amino-2-oxoethyl]uridine as suitable precursors of 2'-aldehyde oligonucleotides for chemoselective ligation. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 4912-20	3.4	10
90	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	1.7	10
89	Synthesis and biological evaluation of novel doxorubicin-containing ASGP-R-targeted drug-conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018 , 28, 503-508	2.9	10
88	Specificity of SNP detection with molecular beacons is improved by stem and loop separation with spacers. <i>Analyst, The</i> , 2017 , 142, 945-950	5	9
87	Downregulation of the Arg/N-degron Pathway Sensitizes Cancer Cells to Chemotherapy In Vivo. <i>Molecular Therapy</i> , 2020 , 28, 1092-1104	11.7	9
86	Tetrahedral DNA conjugates from pentaerythritol-based polyazides. <i>Tetrahedron</i> , 2016 , 72, 2386-2391	2.4	9
85	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	3.7	9
84	Human Ku70 protein binds hairpin RNA and double stranded DNA through two different sites. <i>Biochimie</i> , 2017 , 132, 85-93	4.6	9
83	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	10.7	9
82	Chimeric bifunctional oligonucleotides as a novel tool to invade telomerase assembly. <i>Nucleic Acids Research</i> , 2014 , 42, 9531-42	20.1	8
81	A new fluorometric assay for the study of DNA-binding and 3'-processing activities of retroviral integrases and its use for screening of HIV-1 integrase inhibitors. <i>Biochimie</i> , 2012 , 94, 2382-90	4.6	8
80	Covalent binding of modified nucleic acids to proteins as a method for investigation of specific protein-nucleic acid interactions. <i>Russian Chemical Reviews</i> , 2005 , 74, 77-95	6.8	8
79	Novel homo Yin-Yang probes improve sensitivity in RT-qPCR detection of low copy HIV RNA. <i>Talanta</i> , 2019 , 194, 226-232	6.2	8

78	Design of 2'-phenylethynylpyrene excimer forming DNA/RNA probes for homogeneous SNP detection: The attachment manner matters. <i>Tetrahedron</i> , 2017 , 73, 3220-3230	2.4	7
77	DNA detection by dye labeled oligonucleotides using surface enhanced Raman spectroscopy. <i>Mendeleev Communications</i> , 2020 , 30, 18-21	1.9	7
76	Cy5/BHQ dye-quencher pairs in fluorogenic qPCR probes: effects of charge and hydrophobicity. <i>Analytical Methods</i> , 2016 , 8, 5826-5831	3.2	7
75	1-Phenylethynylpyrene (PEPy) as a novel blue-emitting dye for qPCR assay. <i>Analyst, The</i> , 2016 , 141, 1331-58	1.5	7
74	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, 1341-9	2.9	7
73	Synthesis of 2'-hydrazine oligonucleotides and their efficient conjugation with aldehydes and 1,3-diketones. <i>Tetrahedron Letters</i> , 2006 , 47, 5515-5518	2	7
72	Synthesis of 2'-modified oligonucleotides containing aldehyde or ethylenediamine groups. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003 , 22, 1383-5	1.4	7
71	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	3.4	6
70	Oligonucleotide inhibitors of telomerase: prospects for anticancer therapy and diagnostics. <i>Biochemistry (Moscow)</i> , 2015 , 80, 251-9	2.9	6
69	Solid- and solution-phase synthesis and application of R6G dual-labeled oligonucleotide probes. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 6749-56	3.4	6
68	Influence of the spacer region between the Shine-Dalgarno box and the start codon for fine-tuning of the translation efficiency in Escherichia coli. <i>Microbial Biotechnology</i> , 2020 , 13, 1254-1261	6.3	6
67	Affinity modification of the restriction endonuclease SsoII by 2'-aldehyde-containing double stranded DNAs. <i>Biochemistry (Moscow)</i> , 2005 , 70, 941-7	2.9	6
66	Novel Lipid-Oligonucleotide Conjugates Containing Long-Chain Sulfonyl Phosphoramidate Groups: Synthesis and Biological Properties. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1174	2.6	6
65	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	7.8	5
64	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	1.7	5
63	Phenylethynylpyrene excimer forming hybridization probes for fluorescence SNP detection. <i>Methods in Molecular Biology</i> , 2009 , 578, 209-22	1.4	5
62	Crosslinking of Transcription Factor NF- κ B with a DNA Ligand Bearing the 2'-Aldehyde Group. <i>Molecular Biology</i> , 2002 , 36, 705-707	1.2	5
61	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	4.9	5

60	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	4.8	5
59	TERRA mimicking ssRNAs prevail over the DNA substrate for telomerase in vitro due to interactions with the alternative binding site. <i>Journal of Molecular Recognition</i> , 2016 , 29, 242-7	2.6	5
58	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	4.3	5
57	eIF4G2 balances its own mRNA translation via a PCBP2-based feedback loop. <i>Rna</i> , 2019 , 25, 757-767	5.8	4
56	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	4.6	4
55	Modification of Adenosine196 by Mettl3 Methyltransferase in the 5'-External Transcribed Spacer of 47S Pre-rRNA Affects rRNA Maturation. <i>Cells</i> , 2020 , 9,	7.9	4
54	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	6.5	4
53	Synthesis of β -diketone DNA Derivatives for Affinity Modification of Proteins. <i>Russian Journal of Bioorganic Chemistry</i> , 2019 , 45, 144-154	1	4
52	Dynamics of human telomerase RNA structure revealed by antisense oligonucleotide technique. <i>Biochimie</i> , 2013 , 95, 2423-8	4.6	4
51	Structure-Activity Relationship Studies of HIV-1 Integrase Oligonucleotide Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2011 , 2, 532-7	4.3	4
50	Modulation of HIV-1 integrase activity by single-stranded oligonucleotides and their conjugates with eosin. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2011 , 30, 651-66	1.4	4
49	Efficient conjugation and preferential DNA binding of oligonucleotides containing 2'-O-(2-oxoethyl)arabinouridine. <i>Tetrahedron Letters</i> , 2004 , 45, 7327-7330	2	4
48	Analysis of DNA-protein interactions in complexes of transcription factor NF-kappaB with DNA. <i>Biochemistry (Moscow)</i> , 2005 , 70, 1212-22	2.9	4
47	Toehold-Mediated Selective Assembly of Compact Discrete DNA Nanostructures. <i>Langmuir</i> , 2020 , 36, 15119-15127	4	4
46	RNA Helicases as Shadow Modulators of Cell Cycle Progression. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
45	Indocyanine green dye based bimodal contrast agent tested by photoacoustic/fluorescence tomography setup. <i>Biomedical Optics Express</i> , 2021 , 12, 3181-3195	3.5	4
44	Hematopoietically-expressed homeobox protein HHEX regulates adipogenesis in preadipocytes. <i>Biochimie</i> , 2021 , 185, 68-77	4.6	4
43	Molecular beacons with JOE dye: Influence of linker and 3' couple quencher. <i>Molecular and Cellular Probes</i> , 2016 , 30, 285-290	3.3	4

42	Noncoding RNA in Liver Regeneration-From Molecular Mechanisms to Clinical Implications. <i>Seminars in Liver Disease</i> , 2020 , 40, 70-83	7.3	4
41	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	4.9	4
40	Direct injection of SWCNTs into liquid after supercritical nitrogen treatment. <i>Carbon</i> , 2019 , 152, 66-69	10.4	3
39	2'-Hydrazine oligonucleotides: synthesis and efficient conjugation with aldehydes. <i>Nucleic Acids Symposium Series</i> , 2005 , 133-4		3
38	Upregulation of Mcl-1S Causes Cell-Cycle Perturbations and DNA Damage Accumulation. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 543066	5.7	3
37	Murine Long Noncoding RNA Morrbiid Contributes in the Regulation of NRAS Splicing in Hepatocytes In Vitro. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
36	Anisotropic expansion of hepatocyte lumina enforced by apical bulkheads. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	3
35	Suicide inactivation of covalent peroxidase-mimicking DNAzyme with hydrogen peroxide and its protection by a reductant substrate. <i>Talanta</i> , 2016 , 155, 212-5	6.2	3
34	Barnase encapsulation into submicron porous CaCO particles: studies of loading and enzyme activity. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 8823-8831	7.3	3
33	Phenoxazine pseudonucleotides in DNA i-motifs allow precise profiling of small molecule binders by fluorescence monitoring. <i>Analyst, The</i> , 2021 , 146, 4436-4440	5	3
32	Genomic DNA i-motifs as fast sensors responsive to near-physiological pH microchanges. <i>Biosensors and Bioelectronics</i> , 2021 , 175, 112864	11.8	3
31	Robust technique for dispersion of single-walled carbon nanotubes in aqueous solutions with tRNA. <i>Carbon</i> , 2019 , 151, 175-180	10.4	2
30	DNA -Motifs With Guanidino--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	6.8	2
29	Preparation of 2'-hydrazino oligonucleotides and their reaction with aldehydes and 1,3-diketones. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007 , 26, 795-8	1.4	2
28	Synthesis of (2'S)- and (2'R)-2'-deoxy-2'-[(2-methoxyethoxy)amino] pyrimidine nucleosides and oligonucleotides. <i>Chemistry and Biodiversity</i> , 2004 , 1, 1537-45	2.5	2
27	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	2.1	2
26	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	2.1	2
25	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	2.1	2

24	Silver(I)-mediated base pairing in DNA involving the artificial nucleobase 7,8-dihydro-8-oxo-1,N-etheno adenine. <i>Journal of Inorganic Biochemistry</i> , 2021 , 219, 111369	4.2	2
23	Design and Visualization of DNA/RNA Nanostructures from Branched Oligonucleotides Using Blender Software. <i>Russian Journal of Bioorganic Chemistry</i> , 2019 , 45, 608-618	1	2
22	Magnetic Nanoparticles as a Tool for Remote DNA Manipulations at a Single-Molecule Level. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 14458-14469	9.5	2
21	A study on endonuclease BspD6I and its stimulus-responsive switching by modified oligonucleotides. <i>PLoS ONE</i> , 2018 , 13, e0207302	3.7	2
20	Oligonucleotide Primers with G-Clamp Modifications for RT-qPCR Detection of the Low-Copy dsRNA. <i>Methods in Molecular Biology</i> , 2019 , 1973, 281-297	1.4	1
19	The Arg/N-Degron Pathway-A Potential Running Back in Fine-Tuning the Inflammatory Response?. <i>Biomolecules</i> , 2020 , 10,	5.9	1
18	Usage of rRNA-methyltransferase for site-specific fluorescent labeling. <i>Moscow University Chemistry Bulletin</i> , 2012 , 67, 88-93	0.5	1
17	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, 206-11	2.6	1
16	Metal ion CHElate-aSSisted LIGAtion (CHESS LIGA) for SNP detection on microarrays. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 4018-21	2.9	1
15	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,	6.3	1
14	Red light-triggered photoreduction on a nucleic acid template. <i>Chemical Communications</i> , 2020 , 56, 10026810029	2.5	1
13	Identification of a long non-coding RNA regulator of liver carcinoma cell survival. <i>Cell Death and Disease</i> , 2021 , 12, 178	9.8	1
12	Probing GFP Chromophore Analogs as Anti-HIV Agents Targeting LTR-III G-Quadruplex. <i>Biomolecules</i> , 2021 , 11,	5.9	1
11	Role of RNA Biogenesis Factors in the Processing and Transport of Human Telomerase RNA. <i>Biomedicines</i> , 2022 , 10, 1275	4.8	1
10	Synthesis and properties of oligodeoxyribonucleotides containing 2EO-(2,3-dihydroxypropyl)- and 2EO-(2-oxoethyl)arabinouridine residues. <i>Russian Chemical Bulletin</i> , 2005 , 54, 238-246	1.7	0
9	Comparative Analysis of Long Noncoding RNA Expression in Human Hepatocyte Cell Lines and Liver. <i>Doklady Biochemistry and Biophysics</i> , 2020 , 493, 181-184	0.8	0
8	Glucocorticoid-induced leucine zipper regulates liver fibrosis by suppressing CCL2-mediated leukocyte recruitment. <i>Cell Death and Disease</i> , 2021 , 12, 421	9.8	0
7	Synthesis of GalNAc-Oligonucleotide Conjugates Using GalNAc Phosphoramidite and Triple-GalNAc CPG Solid Support. <i>Methods in Molecular Biology</i> , 2021 , 2282, 101-118	1.4	0

- 6 Oligonucleotide inhibitors of HIV-1 integrase efficiently inhibit HIV-1 reverse transcriptase. *Russian Journal of Bioorganic Chemistry*, **2017**, 43, 135-139 1
- 5 New approach to the synthesis of modified oligonucleotides bearing an aldehyde group. *Doklady Chemistry*, **2008**, 419, 108-110 0.8
- 4 Determination of the Affinity of Eukaryotic DDX3 RNA Helicase to the Characteristic Elements of mRNA Secondary Structure. *Doklady Biochemistry and Biophysics*, **2021**, 500, 297-299 0.8
- 3 RT-qPCR Detection of Low-Copy HIV RNA with Yin-Yang Probes. *Methods in Molecular Biology*, **2020**, 2063, 27-35 1.4
- 2 Design and Validation of siRNA Targeting Gankyrin in the Murine Liver. *Russian Journal of Bioorganic Chemistry*, **2021**, 47, 441-446 1
- 1 Template-Assisted Assembly of DNA Nanostructures from Branched Oligonucleotides. *Russian Journal of Bioorganic Chemistry*, **2021**, 47, 700-712 1