

Valentin Vlasov

List of Publications by Year in descending order

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213
papers

5,689
citations

71102

41
h-index

110387

64
g-index

219
all docs

219
docs citations

219
times ranked

6273
citing authors

#	ARTICLE	IF	CITATIONS
1	Human gut microbiota community structures in urban and rural populations in Russia. <i>Nature Communications</i> , 2013, 4, 2469.	12.8	233
2	Circulating DNA and DNase Activity in Human Blood. <i>Annals of the New York Academy of Sciences</i> , 2006, 1075, 191-196.	3.8	182
3	Extracellular nucleic acids. <i>BioEssays</i> , 2007, 29, 654-667.	2.5	153
4	Current Development of siRNA Bioconjugates: From Research to the Clinic. <i>Frontiers in Pharmacology</i> , 2019, 10, 444.	3.5	147
5	Cell-free and cell-bound circulating DNA in breast tumours: DNA quantification and analysis of tumour-related gene methylation. <i>British Journal of Cancer</i> , 2006, 94, 1492-1495.	6.4	141
6	Yeast tRNA ^{Asp} tertiary structure in solution and areas of interaction of the tRNA with aspartyl-tRNA synthetase. <i>Journal of Molecular Biology</i> , 1985, 184, 455-471.	4.2	129
7	Tertiary Structure of tRNAs in Solution Monitored by Phosphodiester Modification with Ethylnitrosourea. <i>FEBS Journal</i> , 1981, 119, 51-59.	0.2	103
8	Circulating Nucleic Acids as a Potential Source for Cancer Biomarkers. <i>Current Molecular Medicine</i> , 2010, 10, 142-165.	1.3	96
9	Cleavage of tRNA with imidazole and spermine imidazole constructs: a new approach for probing RNA structure. <i>Nucleic Acids Research</i> , 1995, 23, 3161-3167.	14.5	93
10	Selective Protection of Nuclease-Sensitive Sites in siRNA Prolongs Silencing Effect. <i>Oligonucleotides</i> , 2009, 19, 191-202.	2.7	89
11	Applications of Bacteriophages in the Treatment of Localized Infections in Humans. <i>Frontiers in Microbiology</i> , 2018, 9, 1696.	3.5	89
12	Transport of oligonucleotides across natural and model membranes. <i>BBA - Biomembranes</i> , 1994, 1197, 95-108.	8.0	88
13	Deoxyribonuclease Activity and Circulating DNA Concentration in Blood Plasma of Patients with Prostate Tumors. <i>Annals of the New York Academy of Sciences</i> , 2008, 1137, 218-221.	3.8	85
14	Potentialities of aberrantly methylated circulating DNA for diagnostics and post-treatment follow-up of lung cancer patients. <i>Lung Cancer</i> , 2013, 81, 397-403.	2.0	84
15	Aptamers against pathogenic microorganisms. <i>Critical Reviews in Microbiology</i> , 2016, 42, 847-865.	6.1	83
16	Cell-free and cell-bound circulating nucleic acid complexes: mechanisms of generation, concentration and content. <i>Expert Opinion on Biological Therapy</i> , 2012, 12, S141-S153.	3.1	82
17	Cell-Surface-Bound Nucleic Acids: Free and Cell-Surface-Bound Nucleic Acids in Blood of Healthy Donors and Breast Cancer Patients. <i>Annals of the New York Academy of Sciences</i> , 2004, 1022, 221-227.	3.8	81
18	Isolation and Comparative Study of Cell-Free Nucleic Acids from Human Urine. <i>Annals of the New York Academy of Sciences</i> , 2006, 1075, 334-340.	3.8	78

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19	Carrier-free cellular uptake and the gene-silencing activity of the lipophilic siRNAs is strongly affected by the length of the linker between siRNA and lipophilic group. <i>Nucleic Acids Research</i> , 2012, 40, 2330-2344.	14.5	77
20	Nucleic acids in exosomes: Disease markers and intercellular communication molecules. <i>Biochemistry (Moscow)</i> , 2013, 78, 1-7.	1.5	75
21	5'-bis-pyrenylated oligonucleotides displaying excimer fluorescence provide sensitive probes of RNA sequence and structure. <i>Nucleic Acids Research</i> , 2001, 29, 3611-3620.	14.5	74
22	Mesyl phosphoramidate antisense oligonucleotides as an alternative to phosphorothioates with improved biochemical and biological properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1229-1234.	7.1	74
23	Novel cholesterol spermine conjugates provide efficient cellular delivery of plasmid DNA and small interfering RNA. <i>Journal of Controlled Release</i> , 2012, 160, 182-193.	9.9	70
24	Methylation-specific Sequencing of GSTP1 Gene Promoter in Circulating/Extracellular DNA from Blood and Urine of Healthy Donors and Prostate Cancer Patients. <i>Annals of the New York Academy of Sciences</i> , 2008, 1137, 222-225.	3.8	67
25	Novel Cholesterol-Based Cationic Lipids for Gene Delivery. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 6558-6568.	6.4	67
26	Multicomponent mannose-containing liposomes efficiently deliver RNA in murine immature dendritic cells and provide productive anti-tumour response in murine melanoma model. <i>Journal of Controlled Release</i> , 2015, 213, 45-56.	9.9	66
27	Circulating DNA in the Blood of Gastric Cancer Patients. <i>Annals of the New York Academy of Sciences</i> , 2008, 1137, 226-231.	3.8	65
28	Site-specific cleavage of single-stranded DNAs at unique sites by a copper-dependent redox reaction. <i>Nature</i> , 1988, 335, 186-188.	27.8	64
29	Cholesterol-Containing Nuclease-Resistant siRNA Accumulates in Tumors in a Carrier-free Mode and Silences MDR1 Gene. <i>Molecular Therapy - Nucleic Acids</i> , 2017, 6, 209-220.	5.1	64
30	Complementary-Addressed (Sequence-Specific) Modification of Nucleic Acids. <i>Progress in Molecular Biology and Translational Science</i> , 1985, 32, 291-321.	1.9	58
31	Immunochemical assay for deoxyribonuclease activity in body fluids. <i>Journal of Immunological Methods</i> , 2007, 325, 96-103.	1.4	56
32	Novel cationic liposomes provide highly efficient delivery of DNA and RNA into dendritic cell progenitors and their immature offsets. <i>Journal of Controlled Release</i> , 2012, 160, 200-210.	9.9	56
33	Circulating Nucleic Acids in Blood of Healthy Male and Female Donors. <i>Clinical Chemistry</i> , 2005, 51, 1317-1319.	3.2	55
34	Circulating DNA in rheumatoid arthritis: pathological changes and association with clinically used serological markers. <i>Arthritis Research and Therapy</i> , 2017, 19, 85.	3.5	54
35	Extracellular Circulating Nucleic Acids in Human Plasma in Health and Disease. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 879-883.	1.1	52
36	Artificial ribonucleases: synthesis and RNA cleaving properties of cationic conjugates bearing imidazole residues. <i>Tetrahedron</i> , 1999, 55, 503-512.	1.9	49

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37	Fluorometric quantification of RNA and DNA in solutions containing both nucleic acids. <i>Analytical Biochemistry</i> , 2003, 322, 48-50.	2.4	48
38	Synthesis and Proapoptotic Activity of Novel Glycyrrhetic Acid Derivatives. <i>ChemBioChem</i> , 2011, 12, 784-794.	2.6	47
39	Sequence-specific chemical modification of double-stranded DNA with alkylating oligodeoxyribonucleotide derivatives. <i>Gene</i> , 1988, 72, 313-322.	2.2	44
40	Inhibition of metastasis development by daily administration of ultralow doses of RNase A and DNase I. <i>Biochimie</i> , 2011, 93, 689-696.	2.6	44
41	Inactivation of a non-enveloped RNA virus by artificial ribonucleases: Honey bees and Acute bee paralysis virus as a new experimental model for in vivo antiviral activity assessment. <i>Antiviral Research</i> , 2011, 91, 267-277.	4.1	43
42	Protocol for miRNA isolation from biofluids. <i>Analytical Biochemistry</i> , 2016, 499, 78-84.	2.4	43
43	Cleavage of yeast tRNAPhe with complementary oligonucleotide conjugated to a small ribonuclease mimic. <i>FEBS Letters</i> , 2000, 481, 277-280.	2.8	41
44	Primary progressive multiple sclerosis in a Russian cohort: relationship with gut bacterial diversity. <i>BMC Microbiology</i> , 2019, 19, 309.	3.3	40
45	Sequence-Specific Cleavage of Yeast tRNA ^{Phe} with Oligonucleotides Conjugated to a Diimidazole Construct. <i>Oligonucleotides</i> , 1997, 7, 39-42.	4.3	39
46	What information can be obtained from the tears of a patient with primary open angle glaucoma?. <i>Clinica Chimica Acta</i> , 2019, 495, 529-537.	1.1	38
47	miRNases: Novel peptide-oligonucleotide bioconjugates that silence miR-21 in lymphosarcoma cells. <i>Biomaterials</i> , 2017, 122, 163-178.	11.4	37
48	Purified horse milk exosomes contain an unpredictable small number of major proteins. <i>Biochimie Open</i> , 2017, 4, 61-72.	3.2	37
49	Interaction of tRNAPhe and tRNAVal with Aminoacyl-tRNA Synthetases. A Chemical Modification Study. <i>FEBS Journal</i> , 1983, 132, 537-544.	0.2	35
50	Profiling of 179 miRNA Expression in Blood Plasma of Lung Cancer Patients and Cancer-Free Individuals. <i>Scientific Reports</i> , 2018, 8, 6348.	3.3	35
51	Sequence-specific artificial ribonucleases. I. Bis-imidazole-containing oligonucleotide conjugates prepared using precursor-based strategy. <i>Nucleic Acids Research</i> , 2004, 32, 3887-3897.	14.5	34
52	RNase T1 mimicking artificial ribonuclease. <i>Nucleic Acids Research</i> , 2007, 35, 2356-2367.	14.5	34
53	Plasma miR-19b and miR-183 as Potential Biomarkers of Lung Cancer. <i>PLoS ONE</i> , 2016, 11, e0165261.	2.5	34
54	Mesyl phosphoramidate backbone modified antisense oligonucleotides targeting miR-21 with enhanced in vivo therapeutic potency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32370-32379.	7.1	34

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55	RNA Cleavage by 1,4-Diazabicyclo[2.2.2]octane-Imidazole Conjugates. <i>Methods in Enzymology</i> , 2001, 341, 468-490.	1.0	33
56	RAR ² gene methylation level in the circulating DNA from blood of patients with lung cancer. <i>European Journal of Cancer Prevention</i> , 2011, 20, 453-455.	1.3	33
57	Extra Purified Exosomes from Human Placenta Contain an Unpredictable Small Number of Different Major Proteins. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2434.	4.1	33
58	Nonenzymatic Recombination of RNA: Possible Mechanism for the Formation of Novel Sequences. <i>Chemistry and Biodiversity</i> , 2007, 4, 762-767.	2.1	31
59	Cell-Surface-Bound Circulating DNA as a Prognostic Factor in Lung Cancer. <i>Annals of the New York Academy of Sciences</i> , 2008, 1137, 214-217.	3.8	29
60	Short Double-Stranded RNA with Immunostimulatory Activity: Sequence Dependence. <i>Nucleic Acid Therapeutics</i> , 2012, 22, 196-204.	3.6	29
61	[11] Cleavage of RNA with synthetic ribonuclease mimics. <i>Methods in Enzymology</i> , 2000, 318, 147-165.	1.0	28
62	Extracellular Nucleic Acids in Cultures of Long-Term Cultivated Eukaryotic Cells. <i>Annals of the New York Academy of Sciences</i> , 2004, 1022, 244-249.	3.8	28
63	Exosomes from human placenta purified by affinity chromatography on sepharose bearing immobilized antibodies against CD81 tetraspanin contain many peptides and small proteins. <i>IUBMB Life</i> , 2018, 70, 1144-1155.	3.4	28
64	Prophylactic Dendritic Cell-Based Vaccines Efficiently Inhibit Metastases in Murine Metastatic Melanoma. <i>PLoS ONE</i> , 2015, 10, e0136911.	2.5	27
65	Blood Circulating Exosomes Contain Distinguishable Fractions of Free and Cell-Surface-Associated Vesicles. <i>Current Molecular Medicine</i> , 2019, 19, 273-285.	1.3	27
66	Structural arrangement of tRNA binding sites on Escherichia coli ribosomes, as revealed from data on affinity labelling with photoactivatable tRNA derivatives. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1989, 1008, 146-156.	2.4	26
67	Covalently attached oligodeoxyribonucleotides induce RNase activity of a short peptide and modulate its base specificity. <i>Nucleic Acids Research</i> , 2004, 32, 1928-1936.	14.5	26
68	Synthesis of novel 2-cyano substituted glycyrrhetic acid derivatives as inhibitors of cancer cells growth and NO production in LPS-activated J-774 cells. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 585-593.	3.0	26
69	Transfection Efficiency of 25-kDa PEI-Cholesterol Conjugates with Different Levels of Modification. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009, 20, 1091-1110.	3.5	25
70	Hybridization of antisense oligonucleotides with the 3' part of tRNAPhe. <i>FEBS Letters</i> , 1999, 444, 217-221.	2.8	24
71	Investigation of Tumor-Derived Extracellular DNA in Blood of Cancer Patients by Methylation-Specific PCR. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 855-859.	1.1	24
72	Concentrations of Circulating RNA from Healthy Donors and Cancer Patients Estimated by Different Methods. <i>Annals of the New York Academy of Sciences</i> , 2006, 1075, 328-333.	3.8	24

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73	Hypomethylation of human-specific family of LINE-1 retrotransposons in circulating DNA of lung cancer patients. <i>Lung Cancer</i> , 2016, 99, 127-130.	2.0	24
74	Extracellular DNA in Breast Cancer: Cell-Surface-Bound, Tumor-Derived Extracellular DNA in Blood of Patients with Breast Cancer and Nonmalignant Tumors. <i>Annals of the New York Academy of Sciences</i> , 2004, 1022, 217-220.	3.8	23
75	2'-O-Methyl-Modified Anti-MDR1 Fork-siRNA Duplexes Exhibiting High Nuclease Resistance and Prolonged Silencing Activity. <i>Oligonucleotides</i> , 2010, 20, 297-308.	2.7	23
76	Heavy-light chain interrelations of MS-associated immunoglobulins probed by deep sequencing and rational variation. <i>Molecular Immunology</i> , 2014, 62, 305-314.	2.2	23
77	Cleavage of RNA by an amphiphilic compound lacking traditional catalytic groups. <i>Bioorganic Chemistry</i> , 2008, 36, 33-45.	4.1	22
78	Immunotherapy of hepatocellular carcinoma with small double-stranded RNA. <i>BMC Cancer</i> , 2014, 14, 338.	2.6	22
79	Antitumor and Antimetastatic Effect of Small Immunostimulatory RNA against B16 Melanoma in Mice. <i>PLoS ONE</i> , 2016, 11, e0150751.	2.5	22
80	Dynamic changes in circulating miRNA levels in response to antitumor therapy of lung cancer. <i>Experimental Lung Research</i> , 2016, 42, 95-102.	1.2	21
81	Iontophoretic Delivery of Oligonucleotide Derivatives into Mouse Tumor. <i>Antisense Research and Development</i> , 1994, 4, 291-293.	3.1	20
82	Cell-Free miRNA-141 and miRNA-205 as Prostate Cancer Biomarkers. <i>Advances in Experimental Medicine and Biology</i> , 2016, 924, 9-12.	1.6	20
83	Design, RNA cleavage and antiviral activity of new artificial ribonucleases derived from mono-, di- and tripeptides connected by linkers of different hydrophobicity. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 1346-1355.	3.0	20
84	Cytochalasin-B-Inducible Nanovesicle Mimics of Natural Extracellular Vesicles That Are Capable of Nucleic Acid Transfer. <i>Micromachines</i> , 2019, 10, 750.	2.9	20
85	Enhanced RNA cleavage within bulge-loops by an artificial ribonuclease. <i>Nucleic Acids Research</i> , 2005, 33, 1201-1212.	14.5	19
86	The nonenzymatic template-directed ligation of oligonucleotides. <i>Biogeosciences</i> , 2006, 3, 243-249.	3.3	19
87	The systemic tumor response to RNase A treatment affects the expression of genes involved in maintaining cell malignancy. <i>Oncotarget</i> , 2017, 8, 78796-78810.	1.8	19
88	Animal Model of Drug-Resistant Tumor Progression. <i>Annals of the New York Academy of Sciences</i> , 2006, 1091, 490-500.	3.8	18
89	The siRNA targeted to <i>mdr1b</i> and <i>mdr1a</i> mRNAs in vivo sensitizes murine lymphosarcoma to chemotherapy. <i>BMC Cancer</i> , 2010, 10, 204.	2.6	18
90	MicroRNA Drop in the Bloodstream and MicroRNA Boost in the Tumour Caused by Treatment with Ribonuclease A Leads to an Attenuation of Tumour Malignancy. <i>PLoS ONE</i> , 2013, 8, e83482.	2.5	18

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91	A phenol-free method for isolation of microRNA from biological fluids. <i>Analytical Biochemistry</i> , 2015, 479, 43-47.	2.4	18
92	The Effect of Protein Transport Inhibitors on the Production of Extracellular DNA. <i>Annals of the New York Academy of Sciences</i> , 2008, 1137, 31-35.	3.8	17
93	Sensitized Photomodification of Single-Stranded DNA by a Binary System of Oligonucleotide Conjugates. <i>Oligonucleotides</i> , 1997, 7, 309-317.	4.3	16
94	Design of site-specific RNA-cleaving reagents. <i>Russian Chemical Reviews</i> , 2001, 70, 491-508.	6.5	16
95	Simple and Rapid Procedure Suitable for Quantitative Isolation of Low and High Molecular Weight Extracellular Nucleic Acids. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 873-877.	1.1	16
96	A reliable method to concentrate circulating DNA. <i>Analytical Biochemistry</i> , 2011, 408, 354-356.	2.4	16
97	Sequence-specific RNA cleavage by oligonucleotide-peptide conjugates. <i>Russian Chemical Bulletin</i> , 2002, 51, 1177-1186.	1.5	15
98	Inhibition of Human Carcinoma and Neuroblastoma Cell Proliferation by Anti-c-myc siRNA. <i>Oligonucleotides</i> , 2006, 16, 15-25.	2.7	15
99	Structure-transfection activity relationships in a series of novel cationic lipids with heterocyclic head-groups. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7164.	2.8	15
100	Catalytic Knockdown of miR-21 by Artificial Ribonuclease: Biological Performance in Tumor Model. <i>Frontiers in Pharmacology</i> , 2019, 10, 879.	3.5	15
101	Secondary structure of the 5'-region of PGY1/MDR1 mRNA. <i>FEBS Letters</i> , 2000, 475, 181-186.	2.8	14
102	Binding and Penetration of Methylated DNA into Primary and Transformed Human Cells. <i>Annals of the New York Academy of Sciences</i> , 2008, 1137, 36-40.	3.8	14
103	Silencing activity of 2'-O-methyl modified anti-MDR1 siRNAs with mismatches in the central part of the duplexes. <i>FEBS Letters</i> , 2011, 585, 2352-2356.	2.8	14
104	A comparative study of cell-free apoptotic and genomic DNA using FISH and massive parallel sequencing. <i>Expert Opinion on Biological Therapy</i> , 2012, 12, S11-S17.	3.1	14
105	c-fos Protooncogene Transcription can be Modulated by Oligonucleotide-Mediated Formation of Triplex Structures in vitro. <i>FEBS Journal</i> , 1996, 238, 582-590.	0.2	13
106	Structural Studies by High-Field NMR Spectroscopy of a Binary-Addressed Complementary Oligonucleotide System Juxtaposing Pyrene and Perfluoro-Azide Units. <i>Journal of Biomolecular Structure and Dynamics</i> , 1997, 15, 307-320.	3.5	13
107	Downregulation of PGY1/MDR1 mRNA level in human KB cells by antisense oligonucleotide conjugates. RNA accessibility in vitro and intracellular antisense activity. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2002, 1576, 143-147.	2.4	13
108	Downregulation of activated leukemic oncogenes AML1-ETO and RUNX1(K83N) expression with RNA-interference. <i>Molecular Biology</i> , 2010, 44, 776-786.	1.3	13

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109	â€˜Dualâ€™™ peptidyl-oligonucleotide conjugates: Role of conformational flexibility in catalytic cleavage of RNA. <i>Biomaterials</i> , 2017, 112, 44-61.	11.4	13
110	Are Small Nucleolar RNAs â€œCRISPRableâ€? A Report on Box C/D Small Nucleolar RNA Editing in Human Cells. <i>Frontiers in Pharmacology</i> , 2019, 10, 1246.	3.5	13
111	Human Gut Microbiome Response to Short-Term Bifidobacterium-Based Probiotic Treatment. <i>Indian Journal of Microbiology</i> , 2020, 60, 451-457.	2.7	13
112	Protective Allele for Multiple Sclerosis HLA-DRB1*01:01 Provides Kinetic Discrimination of Myelin and Exogenous Antigenic Peptides. <i>Frontiers in Immunology</i> , 2020, 10, 3088.	4.8	13
113	Cleavage of Leishmania Mini-exon Sequence by Oligonucleotides Conjugated to a Dimidazole Construction. <i>Nucleosides & Nucleotides</i> , 1997, 16, 1721-1725.	0.5	12
114	Cancer-suppressive effect of RNase A and DNase I. <i>Doklady Biochemistry and Biophysics</i> , 2008, 420, 108-111.	0.9	12
115	Novel PEGylated Liposomes Enhance Immunostimulating Activity of isRNA. <i>Molecules</i> , 2018, 23, 3101.	3.8	12
116	Transport Oligonucleotidesâ€™ A Novel System for Intracellular Delivery of Antisense Therapeutics. <i>Molecules</i> , 2020, 25, 3663.	3.8	12
117	The Rossmann fold of glyceraldehyde-3-phosphate dehydrogenase (GAPDH) is a nuclear docking site for antisense oligonucleotides containing a TAAAT motif. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2001, 1530, 32-46.	2.4	11
118	5â€™-BIS-PYRENYLATED OLIGONUCLEOTIDES DISPLAY ENHANCED EXCIMER FLUORESCENCE UPON HYBRIDIZATION WITH DNA AND RNA. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001, 20, 1859-1870.	1.1	11
119	Ribonuclease Activity of Cationic Structures Conjugated to Lipophilic Groups. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 977-981.	1.1	11
120	Extracellular Ribonucleic Acids of Human Milk. <i>Annals of the New York Academy of Sciences</i> , 2004, 1022, 190-194.	3.8	11
121	G-specific RNA-cleaving Conjugates of Short Peptides and Oligodeoxyribonucleotides. <i>Journal of Biomolecular Structure and Dynamics</i> , 2006, 23, 591-602.	3.5	11
122	RNA bulges as targets for selective cleavage by metal ions and organic compounds. <i>Russian Chemical Reviews</i> , 2007, 76, 279-288.	6.5	11
123	Methylationâ€Based Analysis of Circulating DNA for Breast Tumor Screening. <i>Annals of the New York Academy of Sciences</i> , 2008, 1137, 232-235.	3.8	11
124	Non-Enzymatic Template-Directed Recombination of RNAs. <i>International Journal of Molecular Sciences</i> , 2009, 10, 1788-1807.	4.1	11
125	42â€and 63â€bp antiâ€MDR1â€siRNAs bearing 2â€™-â€OMe modifications in nucleaseâ€sensitive sites induce specific and potent gene silencing. <i>FEBS Letters</i> , 2014, 588, 1037-1043.	2.8	11
126	Folate-Equipped Cationic Liposomes Deliver Anti-MDR1-siRNA to the Tumor and Increase the Efficiency of Chemotherapy. <i>Pharmaceutics</i> , 2021, 13, 1252.	4.5	11

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127	Refined High-Field NMR Solution Structure of a Binary-Addressed Pyrene/Perfluoro-Azide Complementary DNA Oligonucleotide System Shows Extensive Distortion in the Central Nick Region. <i>Journal of Biomolecular Structure and Dynamics</i> , 1999, 17, 193-211.	3.5	10
128	2'-MODIFIED OLIGONUCLEOTIDES FROM METHOXYOXALAMIDO AND SUCCINIMIDO PRECURSORS: SYNTHESIS, PROPERTIES, AND APPLICATIONS. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001, 20, 507-514.	1.1	10
129	Binary Hammerhead Ribozymes with Improved Catalytic Activity. <i>Oligonucleotides</i> , 2006, 16, 239-252.	2.7	10
130	Fluorophore Labeling Affects the Cellular Accumulation and Gene Silencing Activity of Cholesterol-Modified siRNAs <i>In Vitro</i> . <i>Nucleic Acid Therapeutics</i> , 2019, 29, 33-43.	3.6	10
131	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.	5.1	10
132	Activation of spleen lymphocytes by plasmid DNA. <i>Vaccine</i> , 1999, 17, 1193-1200.	3.8	9
133	Invasion of Strongly Binding Oligonucleotides into tRNA Structure. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2000, 19, 1145-1158.	1.1	9
134	Release of Nucleic Acids by Eukaryotic Cells in Tissue Culture. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 927-930.	1.1	9
135	Artificial ribonucleases: From combinatorial libraries to efficient catalysts of RNA cleavage. <i>Bioorganic Chemistry</i> , 2006, 34, 274-286.	4.1	9
136	A New Y Chromosome Marker for Noninvasive Fetal Gender Determination. <i>Annals of the New York Academy of Sciences</i> , 2008, 1137, 157-161.	3.8	9
137	Extracellular DNA in Culture of Primary and Transformed Cells, Infected and Not Infected with Mycoplasma. <i>Bulletin of Experimental Biology and Medicine</i> , 2009, 147, 63-65.	0.8	9
138	Mechanism of Antisense Oligonucleotide Interaction with Natural RNAs. <i>Journal of Biomolecular Structure and Dynamics</i> , 2011, 29, 27-50.	3.5	9
139	Non-enzymatic recombination of RNA: Ligation in loops. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 705-725.	2.4	9
140	Mechanism and Specificity of RNA Cleavage by Chemical Ribonucleases. <i>Nucleosides & Nucleotides</i> , 1999, 18, 1463-1465.	0.5	8
141	Title is missing!. <i>Russian Journal of Bioorganic Chemistry</i> , 2002, 28, 331-341.	1.0	8
142	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.	1.1	8
143	Isolation of Nucleic Acid Binding Proteins: An Approach for Isolation of Cell Surface, Nucleic Acid Binding Proteins. <i>Annals of the New York Academy of Sciences</i> , 2004, 1022, 239-243.	3.8	8
144	Arrest of Cancer Cell Proliferation by dsRNAs. <i>Annals of the New York Academy of Sciences</i> , 2006, 1091, 425-436.	3.8	8

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145	Design and Synthesis of Metal-Free Artificial Ribonucleases. <i>Protein and Peptide Letters</i> , 2007, 14, 151-163.	0.9	8
146	Viral genome cleavage with artificial ribonucleases: A new method to inactivate RNA-containing viruses. <i>Doklady Biochemistry and Biophysics</i> , 2009, 427, 221-224.	0.9	8
147	Antiproliferative and interferon-inducing activities of unique short double-stranded RNA. <i>Doklady Biochemistry and Biophysics</i> , 2011, 436, 8-11.	0.9	8
148	Structure-activity relationships in new polycationic molecules based on two 1,4-diazabicyclo[2.2.2]octanes as artificial ribonucleases. <i>Bioorganic Chemistry</i> , 2014, 57, 127-131.	4.1	8
149	Dual miRNases for Triple Incision of miRNA Target: Design Concept and Catalytic Performance. <i>Molecules</i> , 2020, 25, 2459.	3.8	8
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