Valentin Vlasov

List of Publications by Year
in descending order

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213 papers	5,689 citations	70961 41 h-index	110170 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. Nature Communications, 2013, 4, 2469.	5.8	233
2	Circulating DNA and DNase Activity in Human Blood. Annals of the New York Academy of Sciences, 2006, 1075, 191-196.	1.8	182
3	Extracellular nucleic acids. BioEssays, 2007, 29, 654-667.	1.2	153
4	Current Development of siRNA Bioconjugates: From Research to the Clinic. Frontiers in Pharmacology, 2019, 10, 444.	1.6	147
5	Cell-free and cell-bound circulating DNA in breast tumours: DNA quantification and analysis of tumour-related gene methylation. British Journal of Cancer, 2006, 94, 1492-1495.	2.9	141
6	Yeast tRNAAsp tertiary structure in solution and areas of interaction of the tRNA with aspartyl-tRNA synthetase. Journal of Molecular Biology, 1985, 184, 455-471.	2.0	129
7	Tertiary Structure of tRNAs in Solution Monitored by Phosphodiester Modification with Ethylnitrosourea. FEBS Journal, 1981, 119, 51-59.	0.2	103
8	Circulating Nucleic Acids as a Potential Source for Cancer Biomarkers. Current Molecular Medicine, 2010, 10, 142-165.	0.6	96
9	Cleavage of tRNA with imidazole and spermine imidazole constructs: a new approach for probing RNA structure. Nucleic Acids Research, 1995, 23, 3161-3167.	6.5	93
10	Selective Protection of Nuclease-Sensitive Sites in siRNA Prolongs Silencing Effect. Oligonucleotides, 2009, 19, 191-202.	2.7	89
11	Applications of Bacteriophages in the Treatment of Localized Infections in Humans. Frontiers in Microbiology, 2018, 9, 1696.	1.5	89
12	Transport of oligonucleotides across natural and model membranes. BBA - Biomembranes, 1994, 1197, 95-108.	7.9	88
13	Deoxyribonuclease Activity and Circulating DNA Concentration in Blood Plasma of Patients with Prostate Tumors. Annals of the New York Academy of Sciences, 2008, 1137, 218-221.	1.8	85
14	Potentialities of aberrantly methylated circulating DNA for diagnostics and post-treatment follow-up of lung cancer patients. Lung Cancer, 2013, 81, 397-403.	0.9	84
15	Aptamers against pathogenic microorganisms. Critical Reviews in Microbiology, 2016, 42, 847-865.	2.7	83
16	Cell-free and cell-bound circulating nucleic acid complexes: mechanisms of generation, concentration and content. Expert Opinion on Biological Therapy, 2012, 12, S141-S153.	1.4	82
17	Cell-Surface-Bound Nucleic Acids: Free and Cell-Surface-Bound Nucleic Acids in Blood of Healthy Donors and Breast Cancer Patients. Annals of the New York Academy of Sciences, 2004, 1022, 221-227.	1.8	81
18	Isolation and Comparative Study of Cell-Free Nucleic Acids from Human Urine. Annals of the New York Academy of Sciences, 2006, 1075, 334-340.	1.8	78

#	Article	IF	Citations
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. Nucleic Acids Research, 2012, 40, 2330-2344.	6.5	77
20	Nucleic acids in exosomes: Disease markers and intercellular communication molecules. Biochemistry (Moscow), 2013, 78, 1-7.	0.7	75
21	5'-bis-pyrenylated oligonucleotides displaying excimer fluorescence provide sensitive probes of RNA sequence and structure. Nucleic Acids Research, 2001, 29, 3611-3620.	6.5	74
22	Mesyl phosphoramidate antisense oligonucleotides as an alternative to phosphorothioates with improved biochemical and biological properties. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1229-1234.	3.3	74
23	Novel cholesterol spermine conjugates provide efficient cellular delivery of plasmid DNA and small interfering RNA. Journal of Controlled Release, 2012, 160, 182-193.	4.8	70
24	Methylationâ€Specific Sequencing of GSTP1 Gene Promoter in Circulating/Extracellular DNA from Blood and Urine of Healthy Donors and Prostate Cancer Patients. Annals of the New York Academy of Sciences, 2008, 1137, 222-225.	1.8	67
25	Novel Cholesterol-Based Cationic Lipids for Gene Delivery. Journal of Medicinal Chemistry, 2009, 52, 6558-6568.	2.9	67
26	Multicomponent mannose-containing liposomes efficiently deliver RNA in murine immature dendritic cells and provide productive anti-tumour response in murine melanoma model. Journal of Controlled Release, 2015, 213, 45-56.	4.8	66
27	Circulating DNA in the Blood of Gastric Cancer Patients. Annals of the New York Academy of Sciences, 2008, 1137, 226-231.	1.8	65
28	Site-specific cleavage of single-stranded DNAs at unique sites by a copper-dependent redox reaction. Nature, 1988, 335, 186-188.	13.7	64
29	Cholesterol-Containing Nuclease-Resistant siRNA Accumulates in Tumors in a Carrier-free Mode and Silences MDR1 Gene. Molecular Therapy - Nucleic Acids, 2017, 6, 209-220.	2.3	64
30	Complementary-Addressed (Sequence-Specific) Modification of Nucleic Acids. Progress in Molecular Biology and Translational Science, 1985, 32, 291-321.	1.9	58
31	Immunochemical assay for deoxyribonuclease activity in body fluids. Journal of Immunological Methods, 2007, 325, 96-103.	0.6	56
32	Novel cationic liposomes provide highly efficient delivery of DNA and RNA into dendritic cell progenitors and their immature offsets. Journal of Controlled Release, 2012, 160, 200-210.	4.8	56
33	Circulating Nucleic Acids in Blood of Healthy Male and Female Donors. Clinical Chemistry, 2005, 51, 1317-1319.	1.5	55
34	Circulating DNA in rheumatoid arthritis: pathological changes and association with clinically used serological markers. Arthritis Research and Therapy, 2017, 19, 85.	1.6	54
35	Extracellular Circulating Nucleic Acids in Human Plasma in Health and Disease. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 879-883.	0.4	52
36	Artificial ribonucleases: synthesis and RNA cleaving properties of cationic conjugates bearing imidazole residues. Tetrahedron, 1999, 55, 503-512.	1.0	49

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37	Fluorometric quantification of RNA and DNA in solutions containing both nucleic acids. Analytical Biochemistry, 2003, 322, 48-50.	1.1	48
38	Synthesis and Proâ€Apoptotic Activity of Novel Glycyrrhetinic Acid Derivatives. ChemBioChem, 2011, 12, 784-794.	1.3	47
39	Sequence-specific chemical modification of double-stranded DNA with alkylating oligodeoxyribonucleotide derivatives. Gene, 1988, 72, 313-322.	1.0	44
40	Inhibition of metastasis development by daily administration of ultralow doses of RNase A and DNase I. Biochimie, 2011, 93, 689-696.	1.3	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. Antiviral Research, 2011, 91, 267-277.	1.9	43
42	Protocol for miRNA isolation from biofluids. Analytical Biochemistry, 2016, 499, 78-84.	1.1	43
43	Cleavage of yeast tRNAPhe with complementary oligonucleotide conjugated to a small ribonuclease mimic. FEBS Letters, 2000, 481, 277-280.	1.3	41
44	Primary progressive multiple sclerosis in a Russian cohort: relationship with gut bacterial diversity. BMC Microbiology, 2019, 19, 309.	1.3	40
45	Sequence-Specific Cleavage of Yeast tRNA^{Phe} with Oligonucleotides Conjugated to a Diimidazole Construct. Oligonucleotides, 1997, 7, 39-42.	4.4	39
46	What information can be obtained from the tears of a patient with primary open angle glaucoma?. Clinica Chimica Acta, 2019, 495, 529-537.	0.5	38
47	miRNases: Novel peptide-oligonucleotide bioconjugates that silence miR-21 in lymphosarcoma cells. Biomaterials, 2017, 122, 163-178.	5.7	37
48	Purified horse milk exosomes contain an unpredictable small number of major proteins. Biochimie Open, 2017, 4, 61-72.	3.2	37
49	Interaction of tRNAPhe and tRNAVal with Aminoacyl-tRNA Synthetases. A Chemical Modication Study. FEBS Journal, 1983, 132, 537-544.	0.2	35
50	Profiling of 179 miRNA Expression in Blood Plasma of Lung Cancer Patients and Cancer-Free Individuals. Scientific Reports, 2018, 8, 6348.	1.6	35
51	Sequence-specific artificial ribonucleases. I. Bis-imidazole-containing oligonucleotide conjugates prepared using precursor-based strategy. Nucleic Acids Research, 2004, 32, 3887-3897.	6.5	34
52	RNase T1 mimicking artificial ribonuclease. Nucleic Acids Research, 2007, 35, 2356-2367.	6.5	34
53	Plasma miR-19b and miR-183 as Potential Biomarkers of Lung Cancer. PLoS ONE, 2016, 11, e0165261.	1.1	34
54	Mesyl phosphoramidate backbone modified antisense oligonucleotides targeting miR-21 with enhanced in vivo therapeutic potency. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32370-32379.	3.3	34

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55	RNA Cleavage by 1,4-Diazabicyclo[2.2.2]octaneâ€“Imidazole Conjugates. Methods in Enzymology, 2001, 341, 468-490.	0.4	33
56	RARÎ²2 gene methylation level in the circulating DNA from blood of patients with lung cancer. European Journal of Cancer Prevention, 2011, 20, 453-455.	0.6	33
57	Extra Purified Exosomes from Human Placenta Contain an Unpredictable Small Number of Different Major Proteins. International Journal of Molecular Sciences, 2019, 20, 2434.	1.8	33
58	Nonenzymatic Recombination of RNA: Possible Mechanism for the Formation of Novel Sequences. Chemistry and Biodiversity, 2007, 4, 762-767.	1.0	31
59	Cellâ€Surfaceâ€Bound Circulating DNA as a Prognostic Factor in Lung Cancer. Annals of the New York Academy of Sciences, 2008, 1137, 214-217.	1.8	29
60	Short Double-Stranded RNA with Immunostimulatory Activity: Sequence Dependence. Nucleic Acid Therapeutics, 2012, 22, 196-204.	2.0	29
61	[11] Cleavage of RNA with synthetic ribonuclease mimics. Methods in Enzymology, 2000, 318, 147-165.	0.4	28
62	Extracellular Nucleic Acids in Cultures of Long-Term Cultivated Eukaryotic Cells. Annals of the New York Academy of Sciences, 2004, 1022, 244-249.	1.8	28
63	Exosomes from human placenta purified by affinity chromatography on sepharose bearing immobilized antibodies against CD81 tetraspanin contain many peptides and small proteins. IUBMB Life, 2018, 70, 1144-1155.	1.5	28
64	Prophylactic Dendritic Cell-Based Vaccines Efficiently Inhibit Metastases in Murine Metastatic Melanoma. PLoS ONE, 2015, 10, e0136911.	1.1	27
65	Blood Circulating Exosomes Contain Distinguishable Fractions of Free and Cell-Surface-Associated Vesicles. Current Molecular Medicine, 2019, 19, 273-285.	0.6	27
66	Structural arrangement of tRNA binding sites on Escherichia coli ribosomes, as revealed from data on affinity labelling with photoactivatable tRNA derivatives. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1989, 1008, 146-156.	2.4	26
67	Covalently attached oligodeoxyribonucleotides induce RNase activity of a short peptide and modulate its base specificity. Nucleic Acids Research, 2004, 32, 1928-1936.	6.5	26
68	Synthesis of novel 2-cyano substituted glycyrrhetinic acid derivatives as inhibitors of cancer cells growth and NO production in LPS-activated J-774 cells. Bioorganic and Medicinal Chemistry, 2014, 22, 585-593.	1.4	26
69	Transfection Efficiency of 25-kDa PEIâ€“Cholesterol Conjugates with Different Levels of Modification. Journal of Biomaterials Science, Polymer Edition, 2009, 20, 1091-1110.	1.9	25
70	Hybridization of antisense oligonucleotides with the 3â€² part of tRNAPhe. FEBS Letters, 1999, 444, 217-221.	1.3	24
71	Investigation of Tumorâ€Derived Extracellular DNA in Blood of Cancer Patients by Methylationâ€Specific PCR. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 855-859.	0.4	24
72	Concentrations of Circulating RNA from Healthy Donors and Cancer Patients Estimated by Different Methods. Annals of the New York Academy of Sciences, 2006, 1075, 328-333.	1.8	24

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73	Hypomethylation of human-specific family of LINE-1 retrotransposons in circulating DNA of lung cancer patients. Lung Cancer, 2016, 99, 127-130.	0.9	24
74	Extracellular DNA in Breast Cancer: Cell-Surface-Bound, Tumor-Derived Extracellular DNA in Blood of Patients with Breast Cancer and Nonmalignant Tumors. Annals of the New York Academy of Sciences, 2004, 1022, 217-220.	1.8	23
75	2'-O-Methylâ€“Modified Anti-MDR1 Fork-siRNA Duplexes Exhibiting High Nuclease Resistance and Prolonged Silencing Activity. Oligonucleotides, 2010, 20, 297-308.	2.7	23
76	Heavyâ€“light chain interrelations of MS-associated immunoglobulins probed by deep sequencing and rational variation. Molecular Immunology, 2014, 62, 305-314.	1.0	23
77	Cleavage of RNA by an amphiphilic compound lacking traditional catalytic groups. Bioorganic Chemistry, 2008, 36, 33-45.	2.0	22
78	Immunotherapy of hepatocellular carcinoma with small double-stranded RNA. BMC Cancer, 2014, 14, 338.	1.1	22
79	Antitumor and Antimetastatic Effect of Small Immunostimulatory RNA against B16 Melanoma in Mice. PLoS ONE, 2016, 11, e0150751.	1.1	22
80	Dynamic changes in circulating miRNA levels in response to antitumor therapy of lung cancer. Experimental Lung Research, 2016, 42, 95-102.	0.5	21
81	Iontophoretic Delivery of Oligonucleotide Derivatives into Mouse Tumor. Antisense Research and Development, 1994, 4, 291-293.	3.3	20
82	Cell-Free miRNA-141 and miRNA-205 as Prostate Cancer Biomarkers. Advances in Experimental Medicine and Biology, 2016, 924, 9-12.	0.8	20
83	Design, RNA cleavage and antiviral activity of new artificial ribonucleases derived from mono-, di- and tripeptides connected by linkers of different hydrophobicity. Bioorganic and Medicinal Chemistry, 2016, 24, 1346-1355.	1.4	20
84	Cytochalasin-B-Inducible Nanovesicle Mimics of Natural Extracellular Vesicles That Are Capable of Nucleic Acid Transfer. Micromachines, 2019, 10, 750.	1.4	20
85	Enhanced RNA cleavage within bulge-loops by an artificial ribonuclease. Nucleic Acids Research, 2005, 33, 1201-1212.	6.5	19
86	The nonenzymatic template-directed ligation of oligonucleotides. Biogeosciences, 2006, 3, 243-249.	1.3	19
87	The systemic tumor response to RNase A treatment affects the expression of genes involved in maintaining cell malignancy. Oncotarget, 2017, 8, 78796-78810.	0.8	19
88	Animal Model of Drug-Resistant Tumor Progression. Annals of the New York Academy of Sciences, 2006, 1091, 490-500.	1.8	18
89	The siRNA targeted to mdr1b and mdr1a mRNAs in vivosensitizes murine lymphosarcoma to chemotherapy. BMC Cancer, 2010, 10, 204.	1.1	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. PLoS ONE, 2013, 8, e83482.	1.1	18

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91	A phenol-free method for isolation of microRNA from biological fluids. Analytical Biochemistry, 2015, 479, 43-47.	1.1	18
92	The Effect of Protein Transport Inhibitors on the Production of Extracellular DNA. Annals of the New York Academy of Sciences, 2008, 1137, 31-35.	1.8	17
93	Sensitized Photomodification of Single-Stranded DNA by a Binary System of Oligonucleotide Conjugates. Oligonucleotides, 1997, 7, 309-317.	4.4	16
94	Design of site-specific RNA-cleaving reagents. Russian Chemical Reviews, 2001, 70, 491-508.	2.5	16
95	Simple and Rapid Procedure Suitable for Quantitative Isolation of Low and High Molecular Weight Extracellular Nucleic Acids. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 873-877.	0.4	16
96	A reliable method to concentrate circulating DNA. Analytical Biochemistry, 2011, 408, 354-356.	1.1	16
97	Sequence-specific RNA cleavage by oligonucleotide-peptide conjugates. Russian Chemical Bulletin, 2002, 51, 1177-1186.	0.4	15
98	Inhibition of Human Carcinoma and Neuroblastoma Cell Proliferation by Anti-c-myc siRNA. Oligonucleotides, 2006, 16, 15-25.	2.7	15
99	Structureâ€“transfection activity relationships in a series of novel cationic lipids with heterocyclic head-groups. Organic and Biomolecular Chemistry, 2013, 11, 7164.	1.5	15
100	Catalytic Knockdown of miR-21 by Artificial Ribonuclease: Biological Performance in Tumor Model. Frontiers in Pharmacology, 2019, 10, 879.	1.6	15
101	Secondary structure of the 5â€²-region ofPGY1/MDR1mRNA. FEBS Letters, 2000, 475, 181-186.	1.3	14
102	Binding and Penetration of Methylated DNA into Primary and Transformed Human Cells. Annals of the New York Academy of Sciences, 2008, 1137, 36-40.	1.8	14
103	Silencing activity of 2â€²-O-methyl modified anti-MDR1 siRNAs with mismatches in the central part of the duplexes. FEBS Letters, 2011, 585, 2352-2356.	1.3	14
104	A comparative study of cell-free apoptotic and genomic DNA using FISH and massive parallel sequencing. Expert Opinion on Biological Therapy, 2012, 12, S11-S17.	1.4	14
105	c-fos Protooncogene Transcription can be Modulated by Oligonucleotide-Mediated Formation of Triplex Structures in vitro. FEBS Journal, 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. Journal of Biomolecular Structure and Dynamics, 1997, 15, 307-320.	2.0	13
107	Downregulation of PGY1/MDR1 mRNA level in human KB cells by antisense oligonucleotide conjugates. RNA accessibility in vitro and intracellular antisense activity. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2002, 1576, 143-147.	2.4	13
108	Downregulation of activated leukemic oncogenes AML1-ETO and RUNX1(K83N) expression with RNA-interference. Molecular Biology, 2010, 44, 776-786.	0.4	13

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109	â€˜Dualâ€™ peptidyl-oligonucleotide conjugates: Role of conformational flexibility in catalytic cleavage of RNA. Biomaterials, 2017, 112, 44-61.	5.7	13
110	Are Small Nucleolar RNAs â€œCRISPRableâ€? A Report on Box C/D Small Nucleolar RNA Editing in Human Cells. Frontiers in Pharmacology, 2019, 10, 1246.	1.6	13
111	Human Gut Microbiome Response to Short-Term Bifidobacterium-Based Probiotic Treatment. Indian Journal of Microbiology, 2020, 60, 451-457.	1.5	13
112	Protective Allele for Multiple Sclerosis HLA-DRB1*01:01 Provides Kinetic Discrimination of Myelin and Exogenous Antigenic Peptides. Frontiers in Immunology, 2020, 10, 3088.	2.2	13
113	Cleavage of Leishmania Mini-exon Sequence by Oligonucleotides Conjugated to a Dimidazole Construction. Nucleosides & Nucleotides, 1997, 16, 1721-1725.	0.5	12
114	Cancer-suppressive effect of RNase A and DNase I. Doklady Biochemistry and Biophysics, 2008, 420, 108-111.	0.3	12
115	Novel PEGylated Liposomes Enhance Immunostimulating Activity of isRNA. Molecules, 2018, 23, 3101.	1.7	12
116	Transport Oligonucleotidesâ€”A Novel System for Intracellular Delivery of Antisense Therapeutics. Molecules, 2020, 25, 3663.	1.7	12
117	The Rossmann fold of glyceraldehyde-3-phosphate dehydrogenase (GAPDH) is a nuclear docking site for antisense oligonucleotides containing a TAAAT motif. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2001, 1530, 32-46.	1.2	11
118	5â€²-BIS-PYRENYLATED OLIGONUCLEOTIDES DISPLAY ENHANCED EXCIMER FLUORESCENCE UPON HYBRIDIZATION WITH DNA AND RNA. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 1859-1870.	0.4	11
119	Ribonuclease Activity of Cationic Structures Conjugated to Lipophilic Groups. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 977-981.	0.4	11
120	Extracellular Ribonucleic Acids of Human Milk. Annals of the New York Academy of Sciences, 2004, 1022, 190-194.	1.8	11
121	G-specific RNA-cleaving Conjugates of Short Peptides and Oligodeoxyribonucleotides. Journal of Biomolecular Structure and Dynamics, 2006, 23, 591-602.	2.0	11
122	RNA bulges as targets for selective cleavage by metal ions and organic compounds. Russian Chemical Reviews, 2007, 76, 279-288.	2.5	11
123	Methylationâ€Based Analysis of Circulating DNA for Breast Tumor Screening. Annals of the New York Academy of Sciences, 2008, 1137, 232-235.	1.8	11
124	Non-Enzymatic Template-Directed Recombination of RNAs. International Journal of Molecular Sciences, 2009, 10, 1788-1807.	1.8	11
125	42â€•and 63â€bp antiâ€MDR1â€siRNAs bearing 2â€²â€OMe modifications in nucleaseâ€sensitive sites induce specific and potent gene silencing. FEBS Letters, 2014, 588, 1037-1043.	1.3	11
126	Folate-Equipped Cationic Liposomes Deliver Anti-MDR1-siRNA to the Tumor and Increase the Efficiency of Chemotherapy. Pharmaceutics, 2021, 13, 1252.	2.0	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. Journal of Biomolecular Structure and Dynamics, 1999, 17, 193-211.	2.0	10
128	2â€²-MODIFIED OLIGONUCLEOTIDES FROM METHOXYOXALAMIDO AND SUCCINIMIDO PRECURSORS: SYNTHESIS, PROPERTIES, AND APPLICATIONS. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 507-514.	0.4	10
129	Binary Hammerhead Ribozymes with Improved Catalytic Activity. Oligonucleotides, 2006, 16, 239-252.	2.7	10
130	Fluorophore Labeling Affects the Cellular Accumulation and Gene Silencing Activity of Cholesterol-Modified siRNAs In Vitro. Nucleic Acid Therapeutics, 2019, 29, 33-43.	2.0	10
131	Antisense oligonucleotide gapmers containing phosphoryl guanidine groups reverse MDR1-mediated multiple drug resistance of tumor cells. Molecular Therapy - Nucleic Acids, 2022, 27, 211-226.	2.3	10
132	Activation of spleen lymphocytes by plasmid DNA. Vaccine, 1999, 17, 1193-1200.	1.7	9
133	Invasion of Strongly Binding Oligonucleotides into tRNA Structure. Nucleosides, Nucleotides and Nucleic Acids, 2000, 19, 1145-1158.	0.4	9
134	Release of Nucleic Acids by Eukaryotic Cells in Tissue Culture. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 927-930.	0.4	9
135	Artificial ribonucleases: From combinatorial libraries to efficient catalysts of RNA cleavage. Bioorganic Chemistry, 2006, 34, 274-286.	2.0	9
136	A New Y Chromosome Marker for Noninvasive Fetal Gender Determination. Annals of the New York Academy of Sciences, 2008, 1137, 157-161.	1.8	9
137	Extracellular DNA in Culture of Primary and Transformed Cells, Infected and Not Infected with Mycoplasma. Bulletin of Experimental Biology and Medicine, 2009, 147, 63-65.	0.3	9
138	Mechanism of Antisense Oligonucleotide Interaction with Natural RNAs. Journal of Biomolecular Structure and Dynamics, 2011, 29, 27-50.	2.0	9
139	Non-enzymatic recombination of RNA: Ligation in loops. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 705-725.	1.1	9
140	Mechanism and Specificity of RNA Cleavage by Chemical Ribonucleases. Nucleosides & Nucleotides, 1999, 18, 1463-1465.	0.5	8
141	Title is missing!. Russian Journal of Bioorganic Chemistry, 2002, 28, 331-341.	0.3	8
142	Ribonuclease Activity of the Peptides with Alternating Arginine and Leucine Residues Conjugated to Tetrathymidilate. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 885-890.	0.4	8
143	Isolation of Nucleic Acid Binding Proteins: An Approach for Isolation of Cell Surface, Nucleic Acid Binding Proteins. Annals of the New York Academy of Sciences, 2004, 1022, 239-243.	1.8	8
144	Arrest of Cancer Cell Proliferation by dsRNAs. Annals of the New York Academy of Sciences, 2006, 1091, 425-436.	1.8	8

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145	Design and Synthesis of Metal-Free Artificial Ribonucleases. Protein and Peptide Letters, 2007, 14, 151-163.	0.4	8
146	Viral genome cleavage with artificial ribonucleases: A new method to inactivate RNA-containing viruses. Doklady Biochemistry and Biophysics, 2009, 427, 221-224.	0.3	8
147	Antiproliferative and interferon-inducing activities of unique short double-stranded RNA. Doklady Biochemistry and Biophysics, 2011, 436, 8-11.	0.3	8
148	Structureâ€“activity relationships in new polycationic molecules based on two 1,4-diazabicyclo[2.2.2]octanes as artificial ribonucleases. Bioorganic Chemistry, 2014, 57, 127-131.	2.0	8
149	Dual miRNases for Triple Incision of miRNA Target: Design Concept and Catalytic Performance. Molecules, 2020, 25, 2459.	1.7	8
150	Synthesis and Characterization of Artificial Ribonucleases. Nucleosides & Nucleotides, 1999, 18, 1491-1492.	0.5	7
151	Interaction of Complementary Oligonucleotides with the 3â€²-End of Yeast tRNA^{PHE}. Nucleosides & Nucleotides, 1999, 18, 1459-1461.	0.5	7
152	Enhanced cellular binding of concatemeric oligonucleotide complexes. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 413-418.	1.4	7
153	Cholesterol-modified anti-MDR1 small interfering RNA: Uptake and biological activity. Molecular Biology, 2010, 44, 254-261.	0.4	7
154	DNA inhibits dsRNA-induced secretion of pro-inflammatory cytokines by gingival fibroblasts. Immunobiology, 2013, 218, 272-280.	0.8	7
155	Nucleaseâ€resistant 63â€bp trimeric si<scp>RNA</scp>s simultaneously silence three different genes in tumor cells. FEBS Letters, 2018, 592, 122-129.	1.3	7
156	Tropism of Extracellular Vesicles and Cell-Derived Nanovesicles to Normal and Cancer Cells: New Perspectives in Tumor-Targeted Nucleic Acid Delivery. Pharmaceutics, 2021, 13, 1911.	2.0	7
157	The extracellular domain of CD4 receptor possesses a protein kinase activity. FEBS Letters, 1998, 431, 45-48.	1.3	6
158	Title is missing!. Russian Chemical Bulletin, 2002, 51, 1156-1165.	0.4	6
159	Hybridization of Antisense Oligonucleotides with Î±â€Sarcin Loop Region ofEscherichia coli23S rRNA. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 895-906.	0.4	6
160	Isolation and Sequencing of Short Cellâ€Surfaceâ€Bound DNA. Annals of the New York Academy of Sciences, 2008, 1137, 47-50.	1.8	6
161	Inhibition of Human Cancer-Cell Proliferation by Long Double-Stranded RNAs. Oligonucleotides, 2009, 19, 31-40.	2.7	6
162	Influenza virus inactivated by artificial ribonucleases as a prospective killed virus vaccine. Vaccine, 2012, 30, 2973-2980.	1.7	6

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163	Novel amphiphilic compounds effectively inactivate the vaccinia virus. FEBS Letters, 2012, 586, 1669-1673.	1.3	6
164	Cyclophosphamide metabolite inducing apoptosis in RLS mouse lymphosarcoma cells is a substrate for P-glycoprotein. Bulletin of Experimental Biology and Medicine, 2012, 152, 348-352.	0.3	6
165	Trimeric Small Interfering RNAs and Their Cholesterol-Containing Conjugates Exhibit Improved Accumulation in Tumors, but Dramatically Reduced Silencing Activity. Molecules, 2020, 25, 1877.	1.7	6
166	The Core of Gut Life: Firmicutes Profile in Patients with Relapsing-Remitting Multiple Sclerosis. Life, 2021, 11, 55.	1.1	6
167	Deoxyribonuclease activity in biological fluids of healthy donors and cancer patients. Bulletin of Experimental Biology and Medicine, 2008, 146, 89-91.	0.3	5
168	Modified Concatemeric Oligonucleotide Complexes: New System for Efficient Oligonucleotide Transfer into Mammalian Cells. Human Gene Therapy, 2008, 19, 532-546.	1.4	5
169	Synthesis and biological activity of novel glycyrrhetic acid derivatives. Doklady Chemistry, 2010, 430, 35-38.	0.2	5
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