

Valentin Vlasov

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Antisense oligonucleotide gapmers containing phosphoryl guanidine groups reverse MDR1-mediated multiple drug resistance of tumor cells. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 211-226. | 2.3 | 10 |
| 2 | Bulge-Forming miRNases Cleave Oncogenic miRNAs at the Central Loop Region in a Sequence-Specific Manner. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6562. | 1.8 | 2 |
| 3 | Interaction of Lipophilic Conjugates of Modified siRNAs with Hematopoietic Cells In Vitro and In Vivo. <i>Russian Journal of Bioorganic Chemistry</i> , 2021, 47, 399-410. | 0.3 | 0 |
| 4 | Analysis of peptides and small proteins in preparations of horse milk exosomes, purified on anti-CD81-Sepharose. <i>International Dairy Journal</i> , 2021, 117, 104994. | 1.5 | 4 |
| 5 | Influence of Caudovirales Phages on Humoral Immunity in Mice. <i>Viruses</i> , 2021, 13, 1241. | 1.5 | 4 |
| 6 | Folate-Equipped Cationic Liposomes Deliver Anti-MDR1-siRNA to the Tumor and Increase the Efficiency of Chemotherapy. <i>Pharmaceutics</i> , 2021, 13, 1252. | 2.0 | 11 |
| 7 | The Core of Gut Life: Firmicutes Profile in Patients with Relapsing-Remitting Multiple Sclerosis. <i>Life</i> , 2021, 11, 55. | 1.1 | 6 |
| 8 | Tropism of Extracellular Vesicles and Cell-Derived Nanovesicles to Normal and Cancer Cells: New Perspectives in Tumor-Targeted Nucleic Acid Delivery. <i>Pharmaceutics</i> , 2021, 13, 1911. | 2.0 | 7 |
| 9 | Immunostimulating RNA Delivered by P1500 PEGylated Cationic Liposomes Limits Influenza Infection in C57Bl/6 Mice. <i>Pharmaceutics</i> , 2020, 12, 875. | 2.0 | 5 |
| 10 | Transport Oligonucleotides—A Novel System for Intracellular Delivery of Antisense Therapeutics. <i>Molecules</i> , 2020, 25, 3663. | 1.7 | 12 |
| 11 | 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. | 3.3 | 34 |
| 12 | Human Gut Microbiome Response to Short-Term Bifidobacterium-Based Probiotic Treatment. <i>Indian Journal of Microbiology</i> , 2020, 60, 451-457. | 1.5 | 13 |
| 13 | Dual miRNases for Triple Incision of miRNA Target: Design Concept and Catalytic Performance. <i>Molecules</i> , 2020, 25, 2459. | 1.7 | 8 |
| 14 | 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. | 2.2 | 13 |
| 15 | Trimeric Small Interfering RNAs and Their Cholesterol-Containing Conjugates Exhibit Improved Accumulation in Tumors, but Dramatically Reduced Silencing Activity. <i>Molecules</i> , 2020, 25, 1877. | 1.7 | 6 |
| 16 | Are Small Nucleolar RNAs “CRISPRable”? A Report on Box C/D Small Nucleolar RNA Editing in Human Cells. <i>Frontiers in Pharmacology</i> , 2019, 10, 1246. | 1.6 | 13 |
| 17 | Cytochalasin-B-Inducible Nanovesicle Mimics of Natural Extracellular Vesicles That Are Capable of Nucleic Acid Transfer. <i>Micromachines</i> , 2019, 10, 750. | 1.4 | 20 |
| 18 | Catalytic Knockdown of miR-21 by Artificial Ribonuclease: Biological Performance in Tumor Model. <i>Frontiers in Pharmacology</i> , 2019, 10, 879. | 1.6 | 15 |

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|----|---|-----|-----------|
| 19 | Surveillance of Tumour Development: The Relationship Between Tumour-Associated RNAs and Ribonucleases. <i>Frontiers in Pharmacology</i> , 2019, 10, 1019. | 1.6 | 5 |
| 20 | 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. | 0.5 | 38 |
| 21 | 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. | 1.8 | 33 |
| 22 | Current Development of siRNA Bioconjugates: From Research to the Clinic. <i>Frontiers in Pharmacology</i> , 2019, 10, 444. | 1.6 | 147 |
| 23 | Incorporation of Antisense Oligonucleotides into Lipophilic Concatemeric Complexes Provides Their Effective Penetration into Cells. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 739-748. | 0.3 | 0 |
| 24 | Investigation of the Internalization of Fluorescently Labeled Lipophilic siRNA into Cultured Tumor Cells. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 766-773. | 0.3 | 1 |
| 25 | 2'OMe Modification of Anti-miRNA-21 Oligonucleotideâ€“Peptide Conjugate Improves Its Hybridization Properties and Catalytic Activity. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 803-812. | 0.3 | 5 |
| 26 | Molecular Mechanism of the Antiproliferative Activity of Short Immunostimulating dsRNA. <i>Frontiers in Oncology</i> , 2019, 9, 1454. | 1.3 | 3 |
| 27 | Primary progressive multiple sclerosis in a Russian cohort: relationship with gut bacterial diversity. <i>BMC Microbiology</i> , 2019, 19, 309. | 1.3 | 40 |
| 28 | 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. | 2.0 | 10 |
| 29 | 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. | 3.3 | 74 |
| 30 | Blood Circulating Exosomes Contain Distinguishable Fractions of Free and Cell-Surface-Associated Vesicles. <i>Current Molecular Medicine</i> , 2019, 19, 273-285. | 0.6 | 27 |
| 31 | Profiling of 179 miRNA Expression in Blood Plasma of Lung Cancer Patients and Cancer-Free Individuals. <i>Scientific Reports</i> , 2018, 8, 6348. | 1.6 | 35 |
| 32 | Non-enzymatic recombination of RNA: Ligation in loops. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 705-725. | 1.1 | 9 |
| 33 | Nuclease-resistant 63â€“bp trimeric siRNA simultaneously silence three different genes in tumor cells. <i>FEBS Letters</i> , 2018, 592, 122-129. | 1.3 | 7 |
| 34 | Novel PEGylated Liposomes Enhance Immunostimulating Activity of isRNA. <i>Molecules</i> , 2018, 23, 3101. | 1.7 | 12 |
| 35 | 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. | 1.5 | 28 |
| 36 | Applications of Bacteriophages in the Treatment of Localized Infections in Humans. <i>Frontiers in Microbiology</i> , 2018, 9, 1696. | 1.5 | 89 |

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|----|--|-----|-----------|
| 37 | Circulating DNA-based lung cancer diagnostics and follow-up: looking for epigenetic markers. <i>Translational Cancer Research</i> , 2018, 7, S153-S170. | 0.4 | 4 |
| 38 | miRNases: Novel peptide-oligonucleotide bioconjugates that silence miR-21 in lymphosarcoma cells. <i>Biomaterials</i> , 2017, 122, 163-178. | 5.7 | 37 |
| 39 | Impact of chemical modifications in the structure of siRNA on its antiproliferative and immunostimulatory properties. <i>Russian Journal of Bioorganic Chemistry</i> , 2017, 43, 50-57. | 0.3 | 1 |
| 40 | Purified horse milk exosomes contain an unpredictable small number of major proteins. <i>Biochimie Open</i> , 2017, 4, 61-72. | 3.2 | 37 |
| 41 | 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. | 2.3 | 64 |
| 42 | Circulating DNA in rheumatoid arthritis: pathological changes and association with clinically used serological markers. <i>Arthritis Research and Therapy</i> , 2017, 19, 85. | 1.6 | 54 |
| 43 | â€Dualâ€™ peptidyl-oligonucleotide conjugates: Role of conformational flexibility in catalytic cleavage of RNA. <i>Biomaterials</i> , 2017, 112, 44-61. | 5.7 | 13 |
| 44 | 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. | 0.8 | 19 |
| 45 | Plasma miR-19b and miR-183 as Potential Biomarkers of Lung Cancer. <i>PLoS ONE</i> , 2016, 11, e0165261. | 1.1 | 34 |
| 46 | Artificial ribonucleases inactivate a wide range of viruses using their ribonuclease, membranolytic, and chaotropic-like activities. <i>Antiviral Research</i> , 2016, 133, 73-84. | 1.9 | 5 |
| 47 | Hypomethylation of human-specific family of LINE-1 retrotransposons in circulating DNA of lung cancer patients. <i>Lung Cancer</i> , 2016, 99, 127-130. | 0.9 | 24 |
| 48 | Cell-Free miRNA-141 and miRNA-205 as Prostate Cancer Biomarkers. <i>Advances in Experimental Medicine and Biology</i> , 2016, 924, 9-12. | 0.8 | 20 |
| 49 | Silencing of Inducible Immunoproteasome Subunit Expression by Chemically Modified siRNA and shRNA. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2016, 35, 389-403. | 0.4 | 3 |
| 50 | Dynamic changes in circulating miRNA levels in response to antitumor therapy of lung cancer. <i>Experimental Lung Research</i> , 2016, 42, 95-102. | 0.5 | 21 |
| 51 | Protocol for miRNA isolation from biofluids. <i>Analytical Biochemistry</i> , 2016, 499, 78-84. | 1.1 | 43 |
| 52 | 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. | 1.4 | 20 |
| 53 | Modified siRNA effectively silence inducible immunoproteasome subunits in NSO cells. <i>Biochimie</i> , 2016, 125, 75-82. | 1.3 | 4 |
| 54 | Aptamers against pathogenic microorganisms. <i>Critical Reviews in Microbiology</i> , 2016, 42, 847-865. | 2.7 | 83 |

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|----|---|-----|-----------|
| 55 | Antitumor and Antimetastatic Effect of Small Immunostimulatory RNA against B16 Melanoma in Mice. PLoS ONE, 2016, 11, e0150751. | 1.1 | 22 |
| 56 | 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 |
| 57 | A phenol-free method for isolation of microRNA from biological fluids. Analytical Biochemistry, 2015, 479, 43-47. | 1.1 | 18 |
| 58 | Prophylactic Dendritic Cell-Based Vaccines Efficiently Inhibit Metastases in Murine Metastatic Melanoma. PLoS ONE, 2015, 10, e0136911. | 1.1 | 27 |
| 59 | 42- and 63- bp anti-MDR1 siRNAs bearing 2'-Ome modifications in nuclease-sensitive sites induce specific and potent gene silencing. FEBS Letters, 2014, 588, 1037-1043. | 1.3 | 11 |
| 60 | Heavy- and light chain interrelations of MS-associated immunoglobulins probed by deep sequencing and rational variation. Molecular Immunology, 2014, 62, 305-314. | 1.0 | 23 |
| 61 | Synthesis of novel 2-cyano substituted glycyrrhetic 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 |
| 62 | Structure-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 |
| 63 | Immunotherapy of hepatocellular carcinoma with small double-stranded RNA. BMC Cancer, 2014, 14, 338. | 1.1 | 22 |
| 64 | 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 |
| 65 | Structure-activity relationships in a series of novel cationic lipids with heterocyclic head-groups. Organic and Biomolecular Chemistry, 2013, 11, 7164. | 1.5 | 15 |
| 66 | DNA inhibits dsRNA-induced secretion of pro-inflammatory cytokines by gingival fibroblasts. Immunobiology, 2013, 218, 272-280. | 0.8 | 7 |
| 67 | Human gut microbiota community structures in urban and rural populations in Russia. Nature Communications, 2013, 4, 2469. | 5.8 | 233 |
| 68 | Nucleic acids in exosomes: Disease markers and intercellular communication molecules. Biochemistry (Moscow), 2013, 78, 1-7. | 0.7 | 75 |
| 69 | Draft Genome Sequence of Bacillus cereus Strain F, Isolated from Ancient Permafrost. Genome Announcements, 2013, 1, . | 0.8 | 3 |
| 70 | 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 |
| 71 | DNA Probes for FISH Analysis of C-Negative Regions in Human Chromosomes. Methods in Molecular Biology, 2013, 1039, 233-242. | 0.4 | 1 |
| 72 | 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 |

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|----|---|-----|-----------|
| 73 | Influenza virus inactivated by artificial ribonucleases as a prospective killed virus vaccine. <i>Vaccine</i> , 2012, 30, 2973-2980. | 1.7 | 6 |
| 74 | Ku protein as the main cellular target of cell-surface-bound circulating DNA. <i>Expert Opinion on Biological Therapy</i> , 2012, 12, S35-S41. | 1.4 | 2 |
| 75 | 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. | 1.4 | 82 |
| 76 | 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. | 1.4 | 14 |
| 77 | Short Double-Stranded RNA with Immunostimulatory Activity: Sequence Dependence. <i>Nucleic Acid Therapeutics</i> , 2012, 22, 196-204. | 2.0 | 29 |
| 78 | Novel amphiphilic compounds effectively inactivate the vaccinia virus. <i>FEBS Letters</i> , 2012, 586, 1669-1673. | 1.3 | 6 |
| 79 | 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. | 4.8 | 70 |
| 80 | 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. | 4.8 | 56 |
| 81 | Cyclophosphamide metabolite inducing apoptosis in RLS mouse lymphosarcoma cells is a substrate for P-glycoprotein. <i>Bulletin of Experimental Biology and Medicine</i> , 2012, 152, 348-352. | 0.3 | 6 |
| 82 | A Method for Generating Selective DNA Probes for the Analysis of C-Negative Regions in Human Chromosomes. <i>Cytogenetic and Genome Research</i> , 2011, 135, 1-11. | 0.6 | 5 |
| 83 | Inhibition of metastasis development by daily administration of ultralow doses of RNase A and DNase I. <i>Biochimie</i> , 2011, 93, 689-696. | 1.3 | 44 |
| 84 | Inactivation of the tick-borne encephalitis virus by RNA-cleaving compounds. <i>Journal of Molecular and Genetic Medicine: an International Journal of Biomedical Research</i> , 2011, 05, 266-72. | 0.1 | 2 |
| 85 | Site-Selective Artificial Ribonucleases: Oligonucleotide Conjugates Containing Multiple Imidazole Residues in the Catalytic Domain. <i>Journal of Nucleic Acids</i> , 2011, 2011, 1-17. | 0.8 | 4 |
| 86 | RAR β 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. | 0.6 | 33 |
| 87 | Molecular genetic markers in diagnosis of lung cancer. <i>Molecular Biology</i> , 2011, 45, 175-189. | 0.4 | 5 |
| 88 | 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. | 1.9 | 43 |
| 89 | 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. | 1.3 | 14 |
| 90 | Antiproliferative and interferon-inducing activities of unique short double-stranded RNA. <i>Doklady Biochemistry and Biophysics</i> , 2011, 436, 8-11. | 0.3 | 8 |

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| 91 | Synthesis and Proapoptotic Activity of Novel Glycyrrhetic Acid Derivatives. <i>ChemBioChem</i> , 2011, 12, 784-794. | 1.3 | 47 |
| 92 | Synthesis and transfection activity of novel galactosylated polycationic lipid. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 2937-2940. | 1.0 | 2 |
| 93 | A reliable method to concentrate circulating DNA. <i>Analytical Biochemistry</i> , 2011, 408, 354-356. | 1.1 | 16 |
| 94 | Mechanism of Antisense Oligonucleotide Interaction with Natural RNAs. <i>Journal of Biomolecular Structure and Dynamics</i> , 2011, 29, 27-50. | 2.0 | 9 |
| 95 | A mechanism of the toxicity of artificial ribonucleases for human cancer cells. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2010, 4, 279-287. | 0.2 | 0 |
| 96 | 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. | 1.1 | 18 |
| 97 | Synthesis and biological activity of novel glycyrrhetic acid derivatives. <i>Doklady Chemistry</i> , 2010, 430, 35-38. | 0.2 | 5 |
| 98 | Cholesterol-modified anti-MDR1 small interfering RNA: Uptake and biological activity. <i>Molecular Biology</i> , 2010, 44, 254-261. | 0.4 | 7 |
| 99 | Downregulation of activated leukemic oncogenes AML1-ETO and RUNX1(K83N) expression with RNA-interference. <i>Molecular Biology</i> , 2010, 44, 776-786. | 0.4 | 13 |
| 100 | Circulating Nucleic Acids as a Potential Source for Cancer Biomarkers. <i>Current Molecular Medicine</i> , 2010, 10, 142-165. | 0.6 | 96 |
| 101 | Concentration and Distribution of Single-Copy β -Actin Gene and LINE-1 Repetitive Elements in Blood of Lung Cancer Patients. , 2010, , 41-45. | | 1 |
| 102 | 2'-O-Methylated Modified Anti-MDR1 Fork-siRNA Duplexes Exhibiting High Nuclease Resistance and Prolonged Silencing Activity. <i>Oligonucleotides</i> , 2010, 20, 297-308. | 2.7 | 23 |
| 103 | Cell-Surface-Bound DNA Inhibits Poly(I:C)-Activated IL-6 and IL-8 Production in Human Primary Endothelial Cells and Fibroblasts. , 2010, , 207-211. | | 1 |
| 104 | Blood Based Methylated DNA and Tumor-Specific Protein Analysis in Gastric Cancer Diagnostics. , 2010, , 57-61. | | 1 |
| 105 | Non-Enzymatic Template-Directed Recombination of RNAs. <i>International Journal of Molecular Sciences</i> , 2009, 10, 1788-1807. | 1.8 | 11 |
| 106 | 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. | 0.3 | 9 |
| 107 | Viral genome cleavage with artificial ribonucleases: A new method to inactivate RNA-containing viruses. <i>Doklady Biochemistry and Biophysics</i> , 2009, 427, 221-224. | 0.3 | 8 |
| 108 | Specifically activated dendritic cells Cell-based vaccine against lymphosarcoma exhibiting multiple drug resistance phenotype. <i>Doklady Biochemistry and Biophysics</i> , 2009, 428, 252-256. | 0.3 | 0 |

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|-----|---|-----|-----------|
| 109 | Inhibition of Human Cancer-Cell Proliferation by Long Double-Stranded RNAs. Oligonucleotides, 2009, 19, 31-40. | 2.7 | 6 |
| 110 | Novel Cholesterol-Based Cationic Lipids for Gene Delivery. Journal of Medicinal Chemistry, 2009, 52, 6558-6568. | 2.9 | 67 |
| 111 | Transfection Efficiency of 25-kDa PEI-Cholesterol Conjugates with Different Levels of Modification. Journal of Biomaterials Science, Polymer Edition, 2009, 20, 1091-1110. | 1.9 | 25 |
| 112 | Selective Protection of Nuclease-Sensitive Sites in siRNA Prolongs Silencing Effect. Oligonucleotides, 2009, 19, 191-202. | 2.7 | 89 |
| 113 | Deoxyribonuclease activity in biological fluids of healthy donors and cancer patients. Bulletin of Experimental Biology and Medicine, 2008, 146, 89-91. | 0.3 | 5 |
| 114 | Cleavage of RNA by an amphiphilic compound lacking traditional catalytic groups. Bioorganic Chemistry, 2008, 36, 33-45. | 2.0 | 22 |
| 115 | Cancer-suppressive effect of RNase A and DNase I. Doklady Biochemistry and Biophysics, 2008, 420, 108-111. | 0.3 | 12 |
| 116 | Circulating DNA in the Blood of Gastric Cancer Patients. Annals of the New York Academy of Sciences, 2008, 1137, 226-231. | 1.8 | 65 |
| 117 | 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 |
| 118 | Isolation and Sequencing of Short Cell-Surface-Bound DNA. Annals of the New York Academy of Sciences, 2008, 1137, 47-50. | 1.8 | 6 |
| 119 | Methylation-Based Analysis of Circulating DNA for Breast Tumor Screening. Annals of the New York Academy of Sciences, 2008, 1137, 232-235. | 1.8 | 11 |
| 120 | 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 |
| 121 | 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 |
| 122 | Methylation-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 |
| 123 | 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 |
| 124 | Cell-Surface-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 |
| 125 | Modified Concatemeric Oligonucleotide Complexes: New System for Efficient Oligonucleotide Transfer into Mammalian Cells. Human Gene Therapy, 2008, 19, 532-546. | 1.4 | 5 |
| 126 | Design and Synthesis of Metal-Free Artificial Ribonucleases. Protein and Peptide Letters, 2007, 14, 151-163. | 0.4 | 8 |

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|-----|---|-----|-----------|
| 127 | RNA bulges as targets for selective cleavage by metal ions and organic compounds. Russian Chemical Reviews, 2007, 76, 279-288. | 2.5 | 11 |
| 128 | RNase T1 mimicking artificial ribonuclease. Nucleic Acids Research, 2007, 35, 2356-2367. | 6.5 | 34 |
| 129 | Extracellular nucleic acids. BioEssays, 2007, 29, 654-667. | 1.2 | 153 |
| 130 | Nonenzymatic Recombination of RNA: Possible Mechanism for the Formation of Novel Sequences. Chemistry and Biodiversity, 2007, 4, 762-767. | 1.0 | 31 |
| 131 | Immunochemical assay for deoxyribonuclease activity in body fluids. Journal of Immunological Methods, 2007, 325, 96-103. | 0.6 | 56 |
| 132 | Nonenzymatic recombination of RNA by means of transesterification. Russian Chemical Bulletin, 2007, 56, 2499-2505. | 0.4 | 3 |
| 133 | Inhibition of Human Carcinoma and Neuroblastoma Cell Proliferation by Anti-c-myc siRNA. Oligonucleotides, 2006, 16, 15-25. | 2.7 | 15 |
| 134 | G-specific RNA-cleaving Conjugates of Short Peptides and Oligodeoxyribonucleotides. Journal of Biomolecular Structure and Dynamics, 2006, 23, 591-602. | 2.0 | 11 |
| 135 | Enhanced cellular binding of concatemeric oligonucleotide complexes. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 413-418. | 1.4 | 7 |
| 136 | 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 |
| 137 | The nonenzymatic template-directed ligation of oligonucleotides. Biogeosciences, 2006, 3, 243-249. | 1.3 | 19 |
| 138 | Artificial ribonucleases: From combinatorial libraries to efficient catalysts of RNA cleavage. Bioorganic Chemistry, 2006, 34, 274-286. | 2.0 | 9 |
| 139 | Circulating DNA and DNase Activity in Human Blood. Annals of the New York Academy of Sciences, 2006, 1075, 191-196. | 1.8 | 182 |
| 140 | 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 |
| 141 | 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 |
| 142 | Influence of Mycoplasma Contamination on the Concentration and Composition of Extracellular RNA. Annals of the New York Academy of Sciences, 2006, 1075, 341-346. | 1.8 | 1 |
| 143 | Arrest of Cancer Cell Proliferation by dsRNAs. Annals of the New York Academy of Sciences, 2006, 1091, 425-436. | 1.8 | 8 |
| 144 | Animal Model of Drug-Resistant Tumor Progression. Annals of the New York Academy of Sciences, 2006, 1091, 490-500. | 1.8 | 18 |

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|-----|---|-----|-----------|
| 145 | Binary Hammerhead Ribozymes with Improved Catalytic Activity. <i>Oligonucleotides</i> , 2006, 16, 239-252. | 2.7 | 10 |
| 146 | Suppression of MDR1 gene expression by chemically modified siRNAs. <i>Russian Chemical Bulletin</i> , 2006, 55, 1275-1283. | 0.4 | 4 |
| 147 | Cleavage of RNA bulge loops by artificial RNases. <i>Russian Chemical Bulletin</i> , 2006, 55, 1284-1294. | 0.4 | 2 |
| 148 | Antisense oligonucleotides inhibiting ribosomal functions in mycobacteria. <i>Biology Bulletin</i> , 2005, 32, 101-107. | 0.1 | 2 |
| 149 | MODIFIED BINARY HAMMERHEAD RIBOZYMES WITH HIGH CATALYTIC ACTIVITY. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 1105-1109. | 0.4 | 2 |
| 150 | Enhanced RNA cleavage within bulge-loops by an artificial ribonuclease. <i>Nucleic Acids Research</i> , 2005, 33, 1201-1212. | 6.5 | 19 |
| 151 | Circulating Nucleic Acids in Blood of Healthy Male and Female Donors. <i>Clinical Chemistry</i> , 2005, 51, 1317-1319. | 1.5 | 55 |
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