Mariya Meshchaninova

List of Publications by Year
in descending order

54	789	516561 16	552653 26
papers	citations	h-index	g-index

59	59	59	806
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Selective Protection of Nuclease-Sensitive Sites in siRNA Prolongs Silencing Effect. Oligonucleotides, 2009, 19, 191-202.	2.7	89
2	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
3	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
4	Targeting Insulin-like Growth Factor I with 10â€“23 DNAzymes: 2â€²-O-Methyl Modifications in the Catalytic Core Enhance mRNA Cleavage. Biochemistry, 2012, 51, 2181-2191.	1.2	45
5	Modeling of Antigenomic Therapy of Mitochondrial Diseases by Mitochondrially Addressed RNA Targeting a Pathogenic Point Mutation in Mitochondrial DNA. Journal of Biological Chemistry, 2014, 289, 13323-13334.	1.6	39
6	Small Interfering RNA Targeted to IGF-IR Delays Tumor Growth and Induces Proinflammatory Cytokines in a Mouse Breast Cancer Model. PLoS ONE, 2012, 7, e29213.	1.1	35
7	Short Double-Stranded RNA with Immunostimulatory Activity: Sequence Dependence. Nucleic Acid Therapeutics, 2012, 22, 196-204.	2.0	29
8	mRNA 3â€™ of the A Site Bound Codon is Located Close to Protein S3 on the Human 80S Ribosome. RNA Biology, 2006, 3, 122-129.	1.5	28
9	Positioning of mRNA codons with respect to 18S rRNA at the P and E sites of human ribosome. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2003, 1627, 39-46.	2.4	26
10	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
11	A central fragment of ribosomal protein S26 containing the eukaryote-specific motif YxxPKxYxK is a key component of the ribosomal binding site of mRNA region 5' of the E site codon. Nucleic Acids Research, 2012, 40, 3056-3065.	6.5	20
12	Molecular contacts of ribose-phosphate backbone of mRNA with human ribosome. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2015, 1849, 930-939.	0.9	20
13	Novel Convenient Approach to the Solid-Phase Synthesis of Oligonucleotide Conjugates. Molecules, 2019, 24, 4266.	1.7	19
14	Exploring accessibility of structural elements of the mammalian 40S ribosomal mRNA entry channel at various steps of translation initiation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 1328-1338.	1.1	18
15	Title is missing!. Molecular Biology, 2003, 37, 132-139.	0.4	17
16	Characterization of chemically modified oligonucleotides targeting a pathogenic mutation in human mitochondrial DNA. Biochimie, 2014, 100, 192-199.	1.3	17
17	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
18	The human ribosome can interact with the abasic site in mRNA via a specific peptide of the uS3 protein located near the mRNA entry channel. Biochimie, 2019, 158, 117-125.	1.3	13

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19	In Vitro Validation of the Therapeutic Potential of Dendrimer-Based Nanoformulations against Tumor Stem Cells. International Journal of Molecular Sciences, 2022, 23, 5691.	1.8	11
20	Doubly Spin-Labeled RNA as an EPR Reporter for Studying Multicomponent Supramolecular Assemblies. Biophysical Journal, 2015, 109, 2637-2643.	0.2	10
21	Structural rearrangements in mRNA upon its binding to human 80S ribosomes revealed by EPR spectroscopy. Nucleic Acids Research, 2018, 46, 897-904.	6.5	10
22	Exploring the interactions of short RNAs with the human 40S ribosomal subunit near the mRNA entry site by EPR spectroscopy. Nucleic Acids Research, 2019, 47, 11850-11860.	6.5	10
23	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
24	Arrangement of the Sense and Stop Codons of the Template in the A Site of the Human Ribosome as Inferred from Crosslinking with Oligonucleotide Derivatives. Molecular Biology, 2003, 37, 866-873.	0.4	9
25	Knockdown of the Ribosomal Protein eL29 in Mammalian Cells Leads to Significant Changes in Gene Expression at the Transcription Level. Cells, 2020, 9, 1228.	1.8	9
26	The C domain of translation termination factor eRF1 is close to the stop codon in the A site of the 80S ribosome. Molecular Biology, 2007, 41, 781-789.	0.4	7
27	Cholesterol-modified anti-MDR1 small interfering RNA: Uptake and biological activity. Molecular Biology, 2010, 44, 254-261.	0.4	7
28	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
29	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
30	New eximer-based tandem systems for SNP detection. Nucleic Acids Symposium Series, 2008, 52, 229-230.	0.3	5
31	Multipyrene tandem probes for detection of C677T polymorphism in MTHFR gene. Nucleic Acids Symposium Series, 2009, 53, 143-144.	0.3	5
32	Multipyrene Tandem Probes for Point Mutations Detection in DNA. Journal of Nucleic Acids, 2013, 2013, 1-12.	0.8	5
33	A Versatile Solid-Phase Approach to the Synthesis of Oligonucleotide Conjugates with Biodegradable Hydrazone Linker. Molecules, 2021, 26, 2119.	1.7	5
34	AP sites in various mRNA positions cross-link to the protein uS3 in the translating mammalian ribosome. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2021, 1869, 140698.	1.1	5
35	Modified siRNA effectively silence inducible immunoproteasome subunits in NSO cells. Biochimie, 2016, 125, 75-82.	1.3	4
36	Characterization of biological peculiarities of the radioprotective activity of double-stranded RNA isolated from Saccharomyces Nerevisiae. International Journal of Radiation Biology, 2020, 96, 1173-1191.	1.0	4

#	Article	IF	Citations
37	Knockdown of the mRNA encoding the ribosomal protein eL38 in mammalian cells causes a substantial reorganization of genomic transcription. Biochimie, 2021, 184, 132-142.	1.3	4
38	Title is missing!. Molecular Biology, 2003, 37, 415-420.	0.4	3
39	Oligoribonucleotides with Functionalized Nucleobases as New Modifiers of Biopolymers. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1509-1512.	0.4	3
40	Novel Method for the Synthesis of 2â€² -Phosphorylated Oligonucleotides. Nucleosides, Nucleotides and Nucleic Acids, 2007, 26, 821-825.	0.4	3
41	Photoactivatable CRISPR/Cas9 System. Russian Journal of Bioorganic Chemistry, 2021, 47, 496-504.	0.3	3
42	Preparation, Determination of Activity, and Biodistribution of Cholesterol-Containing Nuclease-Resistant siRNAs In Vivo. Methods in Molecular Biology, 2020, 2115, 57-77.	0.4	3
43	Cholesterol-conjugated SiRNA Accumulates In The Different Hematopoietic And Lymphoid Cells. Journal of Hematology and Oncology Research, 2016, 2, 13-19.	1.8	3
44	Title is missing!. Russian Chemical Bulletin, 2002, 51, 1194-1197.	0.4	2
45	Protein Environment of the Sense Codon of the Template in the A Site of the Human Ribosome as Inferred from Crosslinking to Oligoribonucleotide Derivatives. Molecular Biology, 2004, 38, 414-420.	0.4	2
46	Effective cleavage of structured RNAs by tandems of 10-23 DNAzymes with 3'-odified oligo(2'-O-methylribonucleotide)-effectors. Nucleic Acids Symposium Series, 2008, 52, 525-526.	0.3	2
47	New Photoreactive Oligoribonucleotide Conjugates: Hybridization and Modification Assays. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 969-975.	0.4	1
48	Impact of chemical modifications in the structure of isRNA on its antiproliferative and immunostimulatory properties. Russian Journal of Bioorganic Chemistry, 2017, 43, 50-57.	0.3	1
49	Investigation of the Internalization of Fluorescently Labeled Lipophilic siRNA into Cultured Tumor Cells. Russian Journal of Bioorganic Chemistry, 2019, 45, 766-773.	0.3	1
50	Two alternative conformations of mRNA in the human ribosome during elongation and termination of translation as revealed by EPR spectroscopy. Computational and Structural Biotechnology Journal, 2021, 19, 4702-4710.	1.9	1
51	Lipophilic Conjugates for Carrier-Free Delivery of RNA Importable into Human Mitochondria. Methods in Molecular Biology, 2021, 2277, 49-67.	0.4	1
52	OR02-4 DNAzyme AND ANTIGENE STRATEGIES TO INHIBIT THE INSULIN-LIKE GROWTH FACTOR I GENE EXPRESSION IN TUMOR MODELS. Growth Hormone and IGF Research, 2006, 16, S4.	0.5	0
53	Incorporation of Antisense Oligonucleotides into Lipophilic Concatemeric Complexes Provides Their Effective Penetration into Cells. Russian Journal of Bioorganic Chemistry, 2019, 45, 739-748.	0.3	0
54	Interaction of Lipophilic Conjugates of Modified siRNAs with Hematopoietic Cells In Vitro and In Vivo. Russian Journal of Bioorganic Chemistry, 2021, 47, 399-410.	0.3	0