Inna A Pyshnaya

List of Publications by Year
in descending order

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59	558	623574	794469
papers	citations	14 h-index	19 g-index

66	66	66	521
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phosphoryl guanidine oligonucleotides as primers for RNA-dependent DNA synthesis using murine leukemia virus reverse transcriptase. Vavilovskii Zhurnal Genetiki I Selektsii, 2022, 26, 5-13.	0.4	1
2	Rational Design of Albumin Theranostic Conjugates for Gold Nanoparticles Anticancer Drugs: Where the Seed Meets the Soil?. Biomedicines, 2021, 9, 74.	1.4	10
3	Isolation of Extracellular Vesicles from Biological Fluids via the Aggregationâ€“Precipitation Approach for Downstream miRNAs Detection. Diagnostics, 2021, 11, 384.	1.3	15
4	Effect of Fluorescent Labels on DNA Affinity for Gold Nanoparticles. Nanomaterials, 2021, 11, 1178.	1.9	4
5	An Influence of Modification with Phosphoryl Guanidine Combined with a 2â€²-O-Methyl or 2â€²-Fluoro Group on the Small-Interfering-RNA Effect. International Journal of Molecular Sciences, 2021, 22, 9784.	1.8	6
6	Delivery of mRNA Vaccine against SARS-CoV-2 Using a Polyglucin:Spermidine Conjugate. Vaccines, 2021, 9, 76.	2.1	28
7	Designing pH-Dependent Systems Based on Nanoscale Calcium Carbonate for the Delivery of an Antitumor Drug. Nanomaterials, 2021, 11, 2794.	1.9	19
8	A Lipid-Coated Nanoconstruct Composed of Gold Nanoparticles Noncovalently Coated with Small Interfering RNA: Preparation, Purification and Characterization. Nanomaterials, 2021, 11, 2775.	1.9	4
9	Amphiphilic â€œLike-A-Brushâ€•Oligonucleotide Conjugates with Three Dodecyl Chains: Self-Assembly Features of Novel Scaffold Compounds for Nucleic Acids Delivery. Nanomaterials, 2020, 10, 1948.	1.9	9
10	Ultrastructural Features of Gold Nanoparticles Interaction with HepG2 and HEK293 Cells in Monolayer and Spheroids. Nanomaterials, 2020, 10, 2040.	1.9	7
11	Surface Modification of SOI Sensors for the Detection of RNA Biomarkers. Semiconductors, 2020, 54, 471-475.	0.2	2
12	Structural and Aggregation Features of a Human Îº-Casein Fragment with Antitumor and Cell-Penetrating Properties. Molecules, 2019, 24, 2919.	1.7	11
13	Nucleic Acids Delivery Into the Cells Using Pro-Apoptotic Protein Lactaptin. Frontiers in Pharmacology, 2019, 10, 1043.	1.6	7
14	DNA Binding to Gold Nanoparticles through the Prism of Molecular Selection: Sequenceâ€“Affinity Relation. Langmuir, 2019, 35, 7916-7928.	1.6	7
15	Colloidal FeIII, MnIII, CoIII, and CuIIHydroxides Stabilized by Starch as Catalysts of Water Oxidation Reaction with One Electron Oxidant Ru(bpy)33+. ChemPhysChem, 2019, 20, 410-421.	1.0	3
16	Long-term stability and scale-up of noncovalently bound gold nanoparticle-siRNA suspensions. Beilstein Journal of Nanotechnology, 2019, 10, 2568-2578.	1.5	8
17	Bridged Oligonucleotides with Smoothed Hybridization Properties as a Tool for Analysis of Nucleotide Sequences. Russian Journal of Bioorganic Chemistry, 2019, 45, 677-683.	0.3	1
18	Physicochemical Properties of the Phosphoryl Guanidine Oligodeoxyribonucleotide Analogs. Russian Journal of Bioorganic Chemistry, 2019, 45, 709-718.	0.3	15

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19	Novel Bisimidazole-Containing Peptidomimetic Molecules for Đœetal-Independent RNA Cleavage: Synthesis and Solid-Phase Screening Method. Russian Journal of Bioorganic Chemistry, 2019, 45, 813-824.	0.3	2
20	Antimetastatic Effect of Liposomal Recombinant Lactaptin. Bulletin of Experimental Biology and Medicine, 2018, 164, 762-765.	0.3	3
21	Fast and Strong Adsorption of Native Oligonucleotides on Citrate-Coated Gold Nanoparticles. Langmuir, 2018, 34, 164-172.	1.6	28
22	SDSâ€PAGE procedure: Application for characterization of new entirely uncharged nucleic acids analogs. Electrophoresis, 2018, 39, 670-674.	1.3	7
23	Size-Dependent Ability of Liposomes to Accumulate in the Ischemic Myocardium and Protect the Heart. Journal of Cardiovascular Pharmacology, 2018, 72, 143-152.	0.8	12
24	Non-agglomerated siliconâ€“organic nanoparticles and their nanocomplexes with oligonucleotides: synthesis and properties. Beilstein Journal of Nanotechnology, 2018, 9, 2516-2525.	1.5	13
25	Non-Covalent Associates of siRNAs and AuNPs Enveloped with Lipid Layer and Doped with Amphiphilic Peptide for Efficient siRNA Delivery. International Journal of Molecular Sciences, 2018, 19, 2096.	1.8	19
26	Influence of Apoptotic Bodies and Apoptotic Microvesicles on NO Production in Macrophages. Bulletin of Experimental Biology and Medicine, 2018, 165, 453-456.	0.3	5
27	Non-covalent binding of nucleic acids with gold nanoparticles provides their stability and effective desorption in environment mimicking biological media. Nanotechnology, 2018, 29, 355601.	1.3	12
28	Multilayer associates based on oligonucleotides and gold nanoparticles. Russian Journal of Bioorganic Chemistry, 2017, 43, 64-70.	0.3	8
29	Surprises of electron microscopic imaging of proteins and polymers covering gold nanoparticles layer by layer. Colloids and Surfaces B: Biointerfaces, 2017, 150, 23-31.	2.5	4
30	Molecularly imprinted polymers for biomedical and biotechnological applications. Russian Chemical Reviews, 2016, 85, 513-536.	2.5	20
31	Surface modification of SOI-FET sensors for label-free and specific detection of short RNA analyte. Nanomedicine, 2016, 11, 2073-2082.	1.7	22
32	Induction of tyrosine aminotransferase in mice is inhibited by the activated metabolites of ortho-aminoazotoluene. Russian Journal of Genetics: Applied Research, 2016, 6, 91-98.	0.4	1
33	Effect of Paclitaxel on Antitumor Activity of Cyclophosphamide: Study on Two Transplanted Tumors in Mice. Bulletin of Experimental Biology and Medicine, 2015, 160, 81-83.	0.3	1
34	Comparison of Behaviour in Different Liquids and in Cells of Gold Nanorods and Spherical Nanoparticles Modified by Linear Polyethyleneimine and Bovine Serum Albumin. BioMed Research International, 2014, 2014, 1-13.	0.9	26
35	Uptake of palladium nanoparticles by epithelial MDCK cells and peritoneal macrophages. Nanotechnologies in Russia, 2014, 9, 707-714.	0.7	0
36	Electrophoretic deposition of CdS colloidal nanoparticles onto an amorphous silicon membrane. Semiconductors, 2014, 48, 967-973.	0.2	4

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37	Macrophages and Epithelial Cells Differently Respond to Palladium Nanoparticles. Micro and Nanosystems, 2014, 6, 133-141.	0.3	1
38	A simple approach to prepare molecularly imprinted polymers from nylonâ€6. Journal of Molecular Recognition, 2013, 26, 368-375.	1.1	16
39	Interaction of poly(ADP-ribose) polymerase 1 with apurinic/apyrimidinic sites within clustered DNA damage. Biochemistry (Moscow), 2011, 76, 147-156.	0.7	20
40	Gene cloning, purification, and characterization of recombinant DNA ligases of the thermophilic archaea Pyrococcus abyssi and Methanobacterium thermoautotrophicum. Molecular Biology, 2011, 45, 229-236.	0.4	4
41	Bridged oligonucleotides as molecular probes for investigation of enzyme-substrate interaction and allele-specific analysis of DNA. Biochemistry (Moscow), 2009, 74, 1009-1020.	0.7	2
42	Enhancement of a hybridization analysis efficiency by the controlled DNA fragmentation. Molecular Biology, 2007, 41, 148-156.	0.4	6
43	Oligonucleotide probes containing polylysine residues for fabrication of DNA chips on various solid surfaces. Biotechnology Journal, 2007, 2, 879-885.	1.8	7
44	Hybridization of the Bridged Oligonucleotides with DNA: Thermodynamic and Kinetic Studies. Journal of Biomolecular Structure and Dynamics, 2006, 23, 567-579.	2.0	29
45	Thermodynamic parameters for calculating the stability of complexes of bridged oligonucleotides. Doklady Biochemistry and Biophysics, 2006, 409, 211-215.	0.3	17
46	Use of Modified Flap Structures for Study of Base Excision Repair Proteins. Biochemistry (Moscow), 2005, 70, 1327-1334.	0.7	0
47	The Influence of the Nonâ€Nucleotide Insert on the Hybridization Properties of Oligonucleotides. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 1065-1071.	0.4	15
48	Interaction of Keratin K1 with Nucleic Acids on the Cell Surface. Biochemistry (Moscow), 2003, 68, 1239-1246.	0.7	4
49	Site-Specific Cleavage of RNA and DNA by Complementary DNAâ^'Bleomycin A5 Conjugates. Bioconjugate Chemistry, 2003, 14, 1307-1313.	1.8	4
50	Cell Surface Oligonucleotide-Binding Proteins of Human Squamous Carcinoma A431 Cells. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1715-1719.	0.4	4
51	Title is missing!. Russian Chemical Bulletin, 2002, 51, 1187-1189.	0.4	1
52	Title is missing!. Russian Chemical Bulletin, 2002, 51, 1204-1211.	0.4	3
53	Nuclease Resistance and RNase H Sensitivity of Oligonucleotides Bridged by Oligomethylenediol and Oligoethylene Glycol Linkers. Oligonucleotides, 2001, 11, 77-85.	4.4	10
54	Thermodynamic Analysis of Stacking Hybridization of Oligonucleotides with DNA Template. Journal of Biomolecular Structure and Dynamics, 2001, 19, 555-570.	2.0	18

#	Article	IF	Citations
55	Title is missing!. Molecular Biology, 2000, 34, 840-851.	0.4	9
56	Oligonucleotide Conjugates Designed for Discriminative Hybridization at Physiological Temperature. Nucleosides & Nucleotides, 1998, 17, 1289-1297.	0.5	9
57	Mini-antisense Oligonucleotides. Nucleosides & Nucleotides, 1997, 16, 1565-1569.	0.5	1
58	A new approach to enhancing the efficiency and specificity of interaction in duplexes by the use of tandem structure. Pure and Applied Chemistry, 1996, 68, 1321-1328.	0.9	9
59	A New Approach to Potentiate Site-Specific Hybridization: A set of Hydrophobic Heterobifunctional Short Oligodeoxyribonucleotides. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 1065-1068.	0.4	2