Inna A Pyshnaya

List of Publications by Year
in descending order

59	558	623734	794594
papers	citations	14 h-index	19 g-index

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

#	Article	IF	Citations
1	Hybridization of the Bridged Oligonucleotides with DNA: Thermodynamic and Kinetic Studies. Journal of Biomolecular Structure and Dynamics, 2006, 23, 567-579.	3.5	29
2	Fast and Strong Adsorption of Native Oligonucleotides on Citrate-Coated Gold Nanoparticles. Langmuir, 2018, 34, 164-172.	3.5	28
3	Delivery of mRNA Vaccine against SARS-CoV-2 Using a Polyglucin:Spermidine Conjugate. Vaccines, 2021, 9, 76.	4.4	28
4	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.	1.9	26
5	Surface modification of SOI-FET sensors for label-free and specific detection of short RNA analyte. Nanomedicine, 2016, 11, 2073-2082.	3.3	22
6	Interaction of poly(ADP-ribose) polymerase 1 with apurinic/apyrimidinic sites within clustered DNA damage. Biochemistry (Moscow), 2011, 76, 147-156.	1.5	20
7	Molecularly imprinted polymers for biomedical and biotechnological applications. Russian Chemical Reviews, 2016, 85, 513-536.	6.5	20
8	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.	4.1	19
9	Designing pH-Dependent Systems Based on Nanoscale Calcium Carbonate for the Delivery of an Antitumor Drug. Nanomaterials, 2021, 11, 2794.	4.1	19
10	Thermodynamic Analysis of Stacking Hybridization of Oligonucleotides with DNA Template. Journal of Biomolecular Structure and Dynamics, 2001, 19, 555-570.	3.5	18
11	Thermodynamic parameters for calculating the stability of complexes of bridged oligonucleotides. Doklady Biochemistry and Biophysics, 2006, 409, 211-215.	0.9	17
12	A simple approach to prepare molecularly imprinted polymers from nylonâ€6. Journal of Molecular Recognition, 2013, 26, 368-375.	2.1	16
13	The Influence of the Nonâ€Nucleotide Insert on the Hybridization Properties of Oligonucleotides. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 1065-1071.	1.1	15
14	Physicochemical Properties of the Phosphoryl Guanidine Oligodeoxyribonucleotide Analogs. Russian Journal of Bioorganic Chemistry, 2019, 45, 709-718.	1.0	15
15	Isolation of Extracellular Vesicles from Biological Fluids via the Aggregationâ€“Precipitation Approach for Downstream miRNAs Detection. Diagnostics, 2021, 11, 384.	2.6	15
16	Non-agglomerated siliconâ€“organic nanoparticles and their nanocomplexes with oligonucleotides: synthesis and properties. Beilstein Journal of Nanotechnology, 2018, 9, 2516-2525.	2.8	13
17	Size-Dependent Ability of Liposomes to Accumulate in the Ischemic Myocardium and Protect the Heart. Journal of Cardiovascular Pharmacology, 2018, 72, 143-152.	1.9	12
18	Non-covalent binding of nucleic acids with gold nanoparticles provides their stability and effective desorption in environment mimicking biological media. Nanotechnology, 2018, 29, 355601.	2.6	12

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19	Structural and Aggregation Features of a Human Îº-Casein Fragment with Antitumor and Cell-Penetrating Properties. Molecules, 2019, 24, 2919.	3.8	11
20	Nuclease Resistance and RNase H Sensitivity of Oligonucleotides Bridged by Oligomethylenediol and Oligoethylene Glycol Linkers. Oligonucleotides, 2001, 11, 77-85.	4.3	10
21	Rational Design of Albumin Theranostic Conjugates for Gold Nanoparticles Anticancer Drugs: Where the Seed Meets the Soil?. Biomedicines, 2021, 9, 74.	3.2	10
22	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.	1.9	9
23	Oligonucleotide Conjugates Designed for Discriminative Hybridization at Physiological Temperature. Nucleosides & Nucleotides, 1998, 17, 1289-1297.	0.5	9
24	Title is missing!. Molecular Biology, 2000, 34, 840-851.	1.3	9
25	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.	4.1	9
26	Multilayer associates based on oligonucleotides and gold nanoparticles. Russian Journal of Bioorganic Chemistry, 2017, 43, 64-70.	1.0	8
27	Long-term stability and scale-up of noncovalently bound gold nanoparticle-siRNA suspensions. Beilstein Journal of Nanotechnology, 2019, 10, 2568-2578.	2.8	8
28	Oligonucleotide probes containing polylysine residues for fabrication of DNA chips on various solid surfaces. Biotechnology Journal, 2007, 2, 879-885.	3.5	7
29	SDSâ€PAGE procedure: Application for characterization of new entirely uncharged nucleic acids analogs. Electrophoresis, 2018, 39, 670-674.	2.4	7
30	Nucleic Acids Delivery Into the Cells Using Pro-Apoptotic Protein Lactaptin. Frontiers in Pharmacology, 2019, 10, 1043.	3.5	7
31	DNA Binding to Gold Nanoparticles through the Prism of Molecular Selection: Sequenceâ€“Affinity Relation. Langmuir, 2019, 35, 7916-7928.	3.5	7
32	Ultrastructural Features of Gold Nanoparticles Interaction with HepG2 and HEK293 Cells in Monolayer and Spheroids. Nanomaterials, 2020, 10, 2040.	4.1	7
33	Enhancement of a hybridization analysis efficiency by the controlled DNA fragmentation. Molecular Biology, 2007, 41, 148-156.	1.3	6
34	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.	4.1	6
35	Influence of Apoptotic Bodies and Apoptotic Microvesicles on NO Production in Macrophages. Bulletin of Experimental Biology and Medicine, 2018, 165, 453-456.	0.8	5
36	Interaction of Keratin K1 with Nucleic Acids on the Cell Surface. Biochemistry (Moscow), 2003, 68, 1239-1246.	1.5	4

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37	Site-Specific Cleavage of RNA and DNA by Complementary DNAâˆ'Bleomycin A5 Conjugates. Bioconjugate Chemistry, 2003, 14, 1307-1313.	3.6	4
38	Cell Surface Oligonucleotide-Binding Proteins of Human Squamous Carcinoma A431 Cells. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 1715-1719.	1.1	4
39	Gene cloning, purification, and characterization of recombinant DNA ligases of the thermophilic archaea Pyrococcus abyssi and Methanobacterium thermoautotrophicum. Molecular Biology, 2011, 45, 229-236.	1.3	4
40	Electrophoretic deposition of CdS colloidal nanoparticles onto an amorphous silicon membrane. Semiconductors, 2014, 48, 967-973.	0.5	4
41	Surprises of electron microscopic imaging of proteins and polymers covering gold nanoparticles layer by layer. Colloids and Surfaces B: Biointerfaces, 2017, 150, 23-31.	5.0	4
42	Effect of Fluorescent Labels on DNA Affinity for Gold Nanoparticles. Nanomaterials, 2021, 11, 1178.	4.1	4
43	A Lipid-Coated Nanoconstruct Composed of Gold Nanoparticles Noncovalently Coated with Small Interfering RNA: Preparation, Purification and Characterization. Nanomaterials, 2021, 11, 2775.	4.1	4
44	Title is missing!. Russian Chemical Bulletin, 2002, 51, 1204-1211.	1.5	3
45	Antimetastatic Effect of Liposomal Recombinant Lactaptin. Bulletin of Experimental Biology and Medicine, 2018, 164, 762-765.	0.8	3
46	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.	2.1	3
47	A New Approach to Potentiate Site-Specific Hybridization: A set of Hydrophobic Heterobifunctional Short Oligodeoxyribonucleotides. Nucleosides, Nucleotides and Nucleic Acids, 1995, 14, 1065-1068.	1.1	2
48	Bridged oligonucleotides as molecular probes for investigation of enzyme-substrate interaction and allele-specific analysis of DNA. Biochemistry (Moscow), 2009, 74, 1009-1020.	1.5	2
49	Novel Bisimidazole-Containing Peptidomimetic Molecules for Ðœetal-Independent RNA Cleavage: Synthesis and Solid-Phase Screening Method. Russian Journal of Bioorganic Chemistry, 2019, 45, 813-824.	1.0	2
50	Surface Modification of SOI Sensors for the Detection of RNA Biomarkers. Semiconductors, 2020, 54, 471-475.	0.5	2
51	Mini-antisense Oligonucleotides. Nucleosides & Nucleotides, 1997, 16, 1565-1569.	0.5	1
52	Title is missing!. Russian Chemical Bulletin, 2002, 51, 1187-1189.	1.5	1
53	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.	0.8	1
54	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

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55	Bridged Oligonucleotides with Smoothed Hybridization Properties as a Tool for Analysis of Nucleotide Sequences. Russian Journal of Bioorganic Chemistry, 2019, 45, 677-683.	1.0	1
56	Macrophages and Epithelial Cells Differently Respond to Palladium Nanoparticles. Micro and Nanosystems, 2014, 6, 133-141.	0.6	1
57	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.	1.1	1
58	Use of Modified Flap Structures for Study of Base Excision Repair Proteins. Biochemistry (Moscow), 2005, 70, 1327-1334.	1.5	0
59	Uptake of palladium nanoparticles by epithelial MDCK cells and peritoneal macrophages. Nanotechnologies in Russia, 2014, 9, 707-714.	0.7	0