

# Inna A Pyshnaya

## List of Publications by Year in descending order

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59  
papers

558  
citations

623574

14  
h-index

794469

19  
g-index

66  
all docs

66  
docs citations

66  
times ranked

521  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybridization of the Bridged Oligonucleotides with DNA: Thermodynamic and Kinetic Studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2006, 23, 567-579.	2.0	29
2	Fast and Strong Adsorption of Native Oligonucleotides on Citrate-Coated Gold Nanoparticles. <i>Langmuir</i> , 2018, 34, 164-172.	1.6	28
3	Delivery of mRNA Vaccine against SARS-CoV-2 Using a Polyglucin:Spermidine Conjugate. <i>Vaccines</i> , 2021, 9, 76.	2.1	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. <i>BioMed Research International</i> , 2014, 2014, 1-13.	0.9	26
5	Surface modification of SOI-FET sensors for label-free and specific detection of short RNA analyte. <i>Nanomedicine</i> , 2016, 11, 2073-2082.	1.7	22
6	Interaction of poly(ADP-ribose) polymerase 1 with apurinic/apyrimidinic sites within clustered DNA damage. <i>Biochemistry (Moscow)</i> , 2011, 76, 147-156.	0.7	20
7	Molecularly imprinted polymers for biomedical and biotechnological applications. <i>Russian Chemical Reviews</i> , 2016, 85, 513-536.	2.5	20
8	Non-Covalent Associates of siRNAs and AuNPs Enveloped with Lipid Layer and Doped with Amphiphilic Peptide for Efficient siRNA Delivery. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2096.	1.8	19
9	Designing pH-Dependent Systems Based on Nanoscale Calcium Carbonate for the Delivery of an Antitumor Drug. <i>Nanomaterials</i> , 2021, 11, 2794.	1.9	19
10	Thermodynamic Analysis of Stacking Hybridization of Oligonucleotides with DNA Template. <i>Journal of Biomolecular Structure and Dynamics</i> , 2001, 19, 555-570.	2.0	18
11	Thermodynamic parameters for calculating the stability of complexes of bridged oligonucleotides. <i>Doklady Biochemistry and Biophysics</i> , 2006, 409, 211-215.	0.3	17
12	A simple approach to prepare molecularly imprinted polymers from nylon-6. <i>Journal of Molecular Recognition</i> , 2013, 26, 368-375.	1.1	16
13	The Influence of the Non-Nucleotide Insert on the Hybridization Properties of Oligonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 1065-1071.	0.4	15
14	Physicochemical Properties of the Phosphoryl Guanidine Oligodeoxyribonucleotide Analogs. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 709-718.	0.3	15
15	Isolation of Extracellular Vesicles from Biological Fluids via the Aggregation-Precipitation Approach for Downstream miRNAs Detection. <i>Diagnostics</i> , 2021, 11, 384.	1.3	15
16	Non-agglomerated silicon-organic nanoparticles and their nanocomplexes with oligonucleotides: synthesis and properties. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2516-2525.	1.5	13
17	Size-Dependent Ability of Liposomes to Accumulate in the Ischemic Myocardium and Protect the Heart. <i>Journal of Cardiovascular Pharmacology</i> , 2018, 72, 143-152.	0.8	12
18	Non-covalent binding of nucleic acids with gold nanoparticles provides their stability and effective desorption in environment mimicking biological media. <i>Nanotechnology</i> , 2018, 29, 355601.	1.3	12

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19	Structural and Aggregation Features of a Human $\beta$ -Casein Fragment with Antitumor and Cell-Penetrating Properties. <i>Molecules</i> , 2019, 24, 2919.	1.7	11
20	Nuclease Resistance and RNase H Sensitivity of Oligonucleotides Bridged by Oligomethylenediol and Oligoethylene Glycol Linkers. <i>Oligonucleotides</i> , 2001, 11, 77-85.	4.4	10
21	Rational Design of Albumin Theranostic Conjugates for Gold Nanoparticles Anticancer Drugs: Where the Seed Meets the Soil?. <i>Biomedicines</i> , 2021, 9, 74.	1.4	10
22	A new approach to enhancing the efficiency and specificity of interaction in duplexes by the use of tandem structure. <i>Pure and Applied Chemistry</i> , 1996, 68, 1321-1328.	0.9	9
23	Oligonucleotide Conjugates Designed for Discriminative Hybridization at Physiological Temperature. <i>Nucleosides &amp; Nucleotides</i> , 1998, 17, 1289-1297.	0.5	9
24	Title is missing!. <i>Molecular Biology</i> , 2000, 34, 840-851.	0.4	9
25	Amphiphilic $\alpha$ -Like-A-Brush $\beta$ -Oligonucleotide Conjugates with Three Dodecyl Chains: Self-Assembly Features of Novel Scaffold Compounds for Nucleic Acids Delivery. <i>Nanomaterials</i> , 2020, 10, 1948.	1.9	9
26	Multilayer associates based on oligonucleotides and gold nanoparticles. <i>Russian Journal of Bioorganic Chemistry</i> , 2017, 43, 64-70.	0.3	8
27	Long-term stability and scale-up of noncovalently bound gold nanoparticle-siRNA suspensions. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 2568-2578.	1.5	8
28	Oligonucleotide probes containing polylysine residues for fabrication of DNA chips on various solid surfaces. <i>Biotechnology Journal</i> , 2007, 2, 879-885.	1.8	7
29	SDS $\beta$ PAGE procedure: Application for characterization of new entirely uncharged nucleic acids analogs. <i>Electrophoresis</i> , 2018, 39, 670-674.	1.3	7
30	Nucleic Acids Delivery Into the Cells Using Pro-Apoptotic Protein Lactaptin. <i>Frontiers in Pharmacology</i> , 2019, 10, 1043.	1.6	7
31	DNA Binding to Gold Nanoparticles through the Prism of Molecular Selection: Sequence $\beta$ Affinity Relation. <i>Langmuir</i> , 2019, 35, 7916-7928.	1.6	7
32	Ultrastructural Features of Gold Nanoparticles Interaction with HepG2 and HEK293 Cells in Monolayer and Spheroids. <i>Nanomaterials</i> , 2020, 10, 2040.	1.9	7
33	Enhancement of a hybridization analysis efficiency by the controlled DNA fragmentation. <i>Molecular Biology</i> , 2007, 41, 148-156.	0.4	6
34	An Influence of Modification with Phosphoryl Guanidine Combined with a $2\beta$ -O-Methyl or $2\beta$ -Fluoro Group on the Small-Interfering-RNA Effect. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9784.	1.8	6
35	Influence of Apoptotic Bodies and Apoptotic Microvesicles on NO Production in Macrophages. <i>Bulletin of Experimental Biology and Medicine</i> , 2018, 165, 453-456.	0.3	5
36	Interaction of Keratin K1 with Nucleic Acids on the Cell Surface. <i>Biochemistry (Moscow)</i> , 2003, 68, 1239-1246.	0.7	4

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37	Site-Specific Cleavage of RNA and DNA by Complementary DNA~Bleomycin A5 Conjugates. <i>Bioconjugate Chemistry</i> , 2003, 14, 1307-1313.	1.8	4
38	Cell Surface Oligonucleotide-Binding Proteins of Human Squamous Carcinoma A431 Cells. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 1715-1719.	0.4	4
39	Gene cloning, purification, and characterization of recombinant DNA ligases of the thermophilic archaea <i>Pyrococcus abyssi</i> and <i>Methanobacterium thermoautotrophicum</i> . <i>Molecular Biology</i> , 2011, 45, 229-236.	0.4	4
40	Electrophoretic deposition of CdS colloidal nanoparticles onto an amorphous silicon membrane. <i>Semiconductors</i> , 2014, 48, 967-973.	0.2	4
41	Surprises of electron microscopic imaging of proteins and polymers covering gold nanoparticles layer by layer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 150, 23-31.	2.5	4
42	Effect of Fluorescent Labels on DNA Affinity for Gold Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 1178.	1.9	4
43	A Lipid-Coated Nanoconstruct Composed of Gold Nanoparticles Noncovalently Coated with Small Interfering RNA: Preparation, Purification and Characterization. <i>Nanomaterials</i> , 2021, 11, 2775.	1.9	4
44	Title is missing!. <i>Russian Chemical Bulletin</i> , 2002, 51, 1204-1211.	0.4	3
45	Antimetastatic Effect of Liposomal Recombinant Lactaptin. <i>Bulletin of Experimental Biology and Medicine</i> , 2018, 164, 762-765.	0.3	3
46	Colloidal FeIII, MnIII, CoIII, and CuII Hydroxides Stabilized by Starch as Catalysts of Water Oxidation Reaction with One Electron Oxidant Ru(bpy)33+. <i>ChemPhysChem</i> , 2019, 20, 410-421.	1.0	3
47	A New Approach to Potentiate Site-Specific Hybridization: A set of Hydrophobic Heterobifunctional Short Oligodeoxyribonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 1995, 14, 1065-1068.	0.4	2
48	Bridged oligonucleotides as molecular probes for investigation of enzyme-substrate interaction and allele-specific analysis of DNA. <i>Biochemistry (Moscow)</i> , 2009, 74, 1009-1020.	0.7	2
49	Novel Bisimidazole-Containing Peptidomimetic Molecules for ðœetal-Independent RNA Cleavage: Synthesis and Solid-Phase Screening Method. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 813-824.	0.3	2
50	Surface Modification of SOI Sensors for the Detection of RNA Biomarkers. <i>Semiconductors</i> , 2020, 54, 471-475.	0.2	2
51	Mini-antisense Oligonucleotides. <i>Nucleosides &amp; Nucleotides</i> , 1997, 16, 1565-1569.	0.5	1
52	Title is missing!. <i>Russian Chemical Bulletin</i> , 2002, 51, 1187-1189.	0.4	1
53	Effect of Paclitaxel on Antitumor Activity of Cyclophosphamide: Study on Two Transplanted Tumors in Mice. <i>Bulletin of Experimental Biology and Medicine</i> , 2015, 160, 81-83.	0.3	1
54	Induction of tyrosine aminotransferase in mice is inhibited by the activated metabolites of ortho-aminoazotoluene. <i>Russian Journal of Genetics: Applied Research</i> , 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.	0.3	1
56	Macrophages and Epithelial Cells Differently Respond to Palladium Nanoparticles. Micro and Nanosystems, 2014, 6, 133-141.	0.3	1
57	Phosphoryl guanidine oligonucleotides as primers for RNA-dependent DNA synthesis using murine leukemia virus reverse transcriptase. Vavilovskii Zhurnal Genetiki I Seleksii, 2022, 26, 5-13.	0.4	1
58	Use of Modified Flap Structures for Study of Base Excision Repair Proteins. Biochemistry (Moscow), 2005, 70, 1327-1334.	0.7	0
59	Uptake of palladium nanoparticles by epithelial MDCK cells and peritoneal macrophages. Nanotechnologies in Russia, 2014, 9, 707-714.	0.7	0