Olga Fedorova

List of Publications by Year in Descending Order

149 papers	2,013 citations	25 h-index	36 g-index
178 ext. papers	2,360 ext. citations	3.8 avg, IF	4.7 L-index

#	Paper	IF	Citations
149	The Enigma of Substrate Recognition and Catalytic Efficiency of APE1-Like Enzymes. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 617161	5.7	0
148	Mutational and Kinetic Analysis of APE1 Endoribonuclease Activity. *Molecular Biology*, **2021**, 55, 211-224	1.2	2
147	Comparative Analysis of the Activity of the Polymorphic Variants of Human Uracil-DNA-Glycosylases SMUG1 and MBD4. *Molecular Biology*, **2021**, 55, 241-251	1.2	1
146	Initial stages of DNA Base Excision Repair in Nucleosomes. *Molecular Biology*, **2021**, 55, 167-181	1.2	
145	Pre-Steady-State Kinetics of the SARS-CoV-2 Main Protease as a Powerful Tool for Antiviral Drug Discovery.. *Frontiers in Pharmacology*, **2021**, 12, 773198	5.6	1
144	An Assay for the Activity of Base Excision Repair Enzymes in Cellular Extracts Using Fluorescent DNA Probes. *Biochemistry (Moscow)*, **2020**, 85, 480-489	2.9	4
143	Modulation of the Apurinic/Apyrimidinic Endonuclease Activity of Human APE1 and of Its Natural Polymorphic Variants by Base Excision Repair Proteins. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
142	Effect of the Substrate Structure and Metal Ions on the Hydrolysis of Undamaged RNA by Human AP Endonuclease APE1. *Acta Naturae*, **2020**, 12, 74-85	2.1	7
141	Role of Arg243 and His239 Residues in the Recognition of Damaged Nucleotides by Human Uracil-DNA Glycosylase SMUG1. *Biochemistry (Moscow)*, **2020**, 85, 594-603	2.9	1
140	Kinetic Milestones of Damage Recognition by DNA Glycosylases of the Helix-Hairpin-Helix Structural Superfamily. *Advances in Experimental Medicine and Biology*, **2020**, 1241, 1-18	3.6	6
139	Efficiency of RNA Hydrolysis by Binase from Bacillus pumilus: The Impact of Substrate Structure, Metal Ions, and Low Molecular Weight Nucleotide Compounds. *Molecular Biology*, **2020**, 54, 769-776	1.2	0
138	Activity of Human Apurinic/Apyrimidinic Endonuclease APE1 Toward Damaged DNA and Native RNA With Non-canonical Structures. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 590848	5.7	3
137	The role of active-site amino acid residues in the cleavage of DNA and RNA substrates by human apurinic/apyrimidinic endonuclease APE1. *Biochimica Et Biophysica Acta - General Subjects*, **2020**, 1864, 129718	4	3
136	The Role of Active-Site Plasticity in Damaged-Nucleotide Recognition by Human Apurinic/Apyrimidinic Endonuclease APE1. *Molecules*, **2020**, 25,	4.8	2
135	Lesion Recognition and Cleavage of Damage-Containing Quadruplexes and Bulged Structures by DNA Glycosylases. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 595687	5.7	4
134	The Role of Active-Site Residues Phe98, His239, and Arg243 in DNA Binding and in the Catalysis of Human Uracil-DNA Glycosylase SMUG1. *Molecules*, **2019**, 24,	4.8	2
133	Conformational Dynamics of Damage Processing by Human DNA Glycosylase NEIL1. *Journal of Molecular Biology*, **2019**, 431, 1098-1112	6.5	9

132	Roles of Active-Site Amino Acid Residues in Specific Recognition of DNA Lesions by Human 8-Oxoguanine-DNA Glycosylase (OGG1). *Journal of Physical Chemistry B*, **2019**, 123, 4878-4887	3.4	4
131	The impact of single-nucleotide polymorphisms of human apurinic/apyrimidinic endonuclease 1 on specific DNA binding and catalysis. *Biochimie*, **2019**, 163, 73-83	4.6	9
130	Role of Ionizing Amino Acid Residues in the Process of DNA Binding by Human AP Endonuclease 1 and in Its Catalysis. *Journal of Physical Chemistry B*, **2019**, 123, 9546-9556	3.4	8
129	Thermodynamics of the DNA Repair Process by Endonuclease VIII. *Acta Naturae*, **2019**, 11, 29-37	2.1	2
128	Thermodynamics of the DNA Repair Process by Endonuclease VIII. *Acta Naturae*, **2019**, 11, 29-37	2.1	5
127	New Fluorescent Analogs of Nucleotides Based on 3-Hydroxychromone for Recording Conformational Changes of DNA. *Russian Journal of Bioorganic Chemistry*, **2019**, 45, 599-607	1	2
126	Comparative Analysis of Nucleotide Fluorescent Analogs for Registration of DNA Conformational Changes Induced by Interaction with Formamidopyrimidine-DNA Glycosylase Fpg. *Russian Journal of Bioorganic Chemistry*, **2019**, 45, 591-598	1	2
125	Conformational Dynamics of Dioxygenase AlkB and DNA in the Course of Catalytically Active Enzyme–Substrate Complex Formation. *Russian Journal of Bioorganic Chemistry*, **2019**, 45, 630-640	1	1
124	A Single-Turnover Kinetic Study of DNA Demethylation Catalyzed by Fe(II)/α-Ketoglutarate-Dependent Dioxygenase AlkB. *Molecules*, **2019**, 24,	4.8	4
123	The role of the N-terminal domain of human apurinic/apyrimidinic endonuclease 1, APE1, in DNA glycosylase stimulation. *DNA Repair*, **2018**, 64, 10-25	4.3	23
122	Apurinic/apyrimidinic endonuclease Apn1 from Saccharomyces cerevisiae is recruited to the nucleotide incision repair pathway: Kinetic and structural features. *Biochimie*, **2018**, 152, 53-62	4.6	4
121	Kinetics and Thermodynamics of DNA Processing by Wild Type DNA-Glycosylase Endo III and Its Catalytically Inactive Mutant Forms. *Genes*, **2018**, 9,	4.2	11
120	Kinetic Features of 3′→5′Exonuclease Activity of Human AP-Endonuclease APE1. *Molecules*, **2018**, 23,	4.8	16
119	Substrate specificity of human apurinic/apyrimidinic endonuclease APE1 in the nucleotide incision repair pathway. *Nucleic Acids Research*, **2018**, 46, 11454-11465	20.1	17
118	Data on PAGE analysis and MD simulation for the interaction of endonuclease Apn1 from with DNA substrates containing 5,6-dihydrouracyl and 2-aminopurine. *Data in Brief*, **2018**, 20, 1515-1524	1.2	
117	The formation of catalytically competent enzyme-substrate complex is not a bottleneck in lesion excision by human alkyladenine DNA glycosylase. *Journal of Biomolecular Structure and Dynamics*, **2017**, 35, 950-967	3.6	8
116	Interaction features of adenine DNA glycosylase MutY from E. coli with DNA substrates. *Russian Journal of Bioorganic Chemistry*, **2017**, 43, 13-22	1	2
115	The kinetic analysis of recognition of the damaged nucleotides by mutant forms of the 8-oxoguanine DNA glycosylase hOGG1. *Russian Journal of Bioorganic Chemistry*, **2017**, 43, 1-12	1	7

114	Pre-steady-state kinetic analysis of damage recognition by human single-strand selective monofunctional uracil-DNA glycosylase SMUG1. *Molecular BioSystems*, **2017**, 13, 2638-2649		16
113	Evolution of inhibitor-resistant natural mutant forms of HIV-1 protease probed by pre-steady state kinetic analysis. *Biochimie*, **2017**, 142, 125-134	4.6	2
112	Global DNA dynamics of 8-oxoguanine repair by human OGG1 revealed by stopped-flow kinetics and molecular dynamics simulation. *Molecular BioSystems*, **2017**, 13, 1954-1966		7
111	A real-time study of the interaction of TBP with a TATA box-containing duplex identical to an ancestral or minor allele of human gene LEP or TPI. *Journal of Biomolecular Structure and Dynamics*, **2017**, 35, 3070-3081	3.6	7
110	Pre-steady state kinetics of DNA binding and abasic site hydrolysis by tyrosyl-DNA phosphodiesterase 1. *Journal of Biomolecular Structure and Dynamics*, **2017**, 35, 2314-2327	3.6	4
109	Mutational and Kinetic Analysis of Lesion Recognition by Escherichia coli Endonuclease VIII. *Genes*, **2017**, 8,	4.2	13
108	Search for Modified DNA Sites with the Human Methyl-CpG-Binding Enzyme MBD4. *Acta Naturae*, **2017**, 9, 88-98	2.1	5
107	Search for Modified DNA Sites with the Human Methyl-CpG-Binding Enzyme MBD4. *Acta Naturae*, **2017**, 9, 88-98	2.1	15
106	A kinetic mechanism of repair of DNA containing □-anomeric deoxyadenosine by human apurinic/apyrimidinic endonuclease 1. *Molecular BioSystems*, **2016**, 12, 3435-3446		6
105	Thermodynamic Analysis of Fast Stages of Specific Lesion Recognition by DNA Repair Enzymes. *Biochemistry (Moscow)*, **2016**, 81, 1136-1152	2.9	6
104	New oligonucleotide derivatives as unreactive substrate analogues and potential inhibitors of human apurinic/apyrimidinic endonuclease APE1. *Molecular BioSystems*, **2016**, 12, 67-75		7
103	Thermodynamics of Damaged DNA Binding and Catalysis by Human AP Endonuclease 1. *Acta Naturae*, **2016**, 8, 103-10	2.1	10
102	Thermodynamics of Damaged DNA Binding and Catalysis by Human AP Endonuclease 1. *Acta Naturae*, **2016**, 8, 103-110	2.1	17
101	Effects of mono- and divalent metal ions on DNA binding and catalysis of human apurinic/apyrimidinic endonuclease 1. *Molecular BioSystems*, **2016**, 12, 1527-39		38
100	Conformational Dynamics of DNA Repair by Escherichia coli Endonuclease III. *Journal of Biological Chemistry*, **2015**, 290, 14338-49	5.4	29
99	The role of His-83 of yeast apurinic/apyrimidinic endonuclease Apn1 in catalytic incision of abasic sites in DNA. *Biochimica Et Biophysica Acta - General Subjects*, **2015**, 1850, 1297-309	4	3
98	Active destabilization of base pairs by a DNA glycosylase wedge initiates damage recognition. *Nucleic Acids Research*, **2015**, 43, 272-81	20.1	39
97	Pre-steady-state kinetic and structural analysis of interaction of methionine □-lyase from Citrobacter freundii with inhibitors. *Journal of Biological Chemistry*, **2015**, 290, 671-81	5.4	15

96	Step-by-step mechanism of DNA damage recognition by human 8-oxoguanine DNA glycosylase. *Biochimica Et Biophysica Acta - General Subjects*, **2014**, 1840, 387-95	4	35
95	Pre-steady-state fluorescence analysis of damaged DNA transfer from human DNA glycosylases to AP endonuclease APE1. *Biochimica Et Biophysica Acta - General Subjects*, **2014**, 1840, 3042-51	4	22
94	Thermodynamics of the DNA damage repair steps of human 8-oxoguanine DNA glycosylase. *PLoS ONE*, **2014**, 9, e98495	3.7	27
93	The role of Asn-212 in the catalytic mechanism of human endonuclease APE1: stopped-flow kinetic study of incision activity on a natural AP site and a tetrahydrofuran analogue. *DNA Repair*, **2014**, 21, 43-54	4.3	13
92	Role of light-chain constant-domain switch in the structure and functionality of A17 reactibody. *Acta Crystallographica Section D: Biological Crystallography*, **2014**, 70, 708-19		15
91	Effect of Some Substituents Increasing the Solubility of Zn(II) and Al(III) Phthalocyanines on Their Photophysical Properties. *Bioinorganic Chemistry and Applications*, **2014**, 2014, 952632	4.2	5
90	New environment-sensitive multichannel DNA fluorescent label for investigation of the protein-DNA interactions. *PLoS ONE*, **2014**, 9, e100007	3.7	35
89	Real-Time Interaction between TBP and the TATA Box of the Human Triosephosphate Isomerase Gene Promoter in the Norm and Pathology. *Acta Naturae*, **2014**, 6, 36-40	2.1	10
88	Structural Features of the Interaction between Human 8-Oxoguanine DNA Glycosylase hOGG1 and DNA. *Acta Naturae*, **2014**, 6, 52-65	2.1	3
87	Real-Time Interaction between TVR and the TATA Box of the Human Triosephosphate Isomerase Gene Promoter in the Norm and Pathology. *Acta Naturae*, **2014**, 6, 36-40	2.1	14
86	Structural Features of the Interaction between Human 8-Oxoguanine DNA Glycosylase hOGG1 and DNA. *Acta Naturae*, **2014**, 6, 52-65	2.1	9
85	Reaction of 4-hydroxycoumarin with 2-acetyloxiranes. *Russian Journal of Organic Chemistry*, **2013**, 49, 1497-1501	0.7	1
84	DNA damage processing by human 8-oxoguanine-DNA glycosylase mutants with the occluded active site. *Journal of Biological Chemistry*, **2013**, 288, 28936-47	5.4	20
83	Effect of complexation with arabinogalactan on pharmacokinetics of "guest" drugs in rats: for example, warfarin. *BioMed Research International*, **2013**, 2013, 156381	3	4
82	Direct DNA Lesion Reversal and Excision Repair in Escherichia coli. *EcoSal Plus*, **2013**, 5,	7.7	4
81	Pulsed electron double resonance in structural studies of spin-labeled nucleic acids. *Acta Naturae*, **2013**, 5, 9-32	2.1	2
80	Pulsed Electron Double Resonance in Structural Studies of Spin-Labeled Nucleic Acids. *Acta Naturae*, **2013**, 5, 9-32	2.1	6
79	Conformational dynamics of the interaction of Escherichia coli endonuclease VIII with DNA substrates. *DNA Repair*, **2012**, 11, 884-91	4.3	22

78	Kinetic mechanism of the interaction of Saccharomyces cerevisiae AP-endonuclease 1 with DNA substrates. *Biochemistry (Moscow)*, **2012**, 77, 1162-71	2.9	4
77	Conformational dynamics of abasic DNA upon interactions with AP endonuclease 1 revealed by stopped-flow fluorescence analysis. *Biochemistry*, **2012**, 51, 1306-21	3.2	24
76	Highly mutagenic exocyclic DNA adducts are substrates for the human nucleotide incision repair pathway. *PLoS ONE*, **2012**, 7, e51776	3.7	18
75	Thermodynamics of the multi-stage DNA lesion recognition and repair by formamidopyrimidine-DNA glycosylase using pyrrolocytosine fluorescence--stopped-flow pre-steady-state kinetics. *Nucleic Acids Research*, **2012**, 40, 7384-92	20.1	47
74	1H CIDNP study of the kinetics and mechanism of the reversible photoinduced oxidation of tryptophyl-tryptophan dipeptide in aqueous solutions. *Russian Chemical Bulletin*, **2011**, 60, 2579-2587	1.7	7
73	Lys98 substitution in human AP endonuclease 1 affects the kinetic mechanism of enzyme action in base excision and nucleotide incision repair pathways. *PLoS ONE*, **2011**, 6, e24063	3.7	14
72	Mechanism of recognition and repair of damaged DNA by human 8-oxoguanine DNA glycosylase hOGG1. *Biochemistry (Moscow)*, **2011**, 76, 118-30	2.9	16
71	Kinetic mechanism of human apurinic/apyrimidinic endonuclease action in nucleotide incision repair. *Biochemistry (Moscow)*, **2011**, 76, 273-81	2.9	6
70	Pre-steady-state kinetics of interaction of wild-type and multiple drug-resistant HIV protease with first and second generation inhibitory drugs. *Doklady Biochemistry and Biophysics*, **2011**, 440, 239-43	0.8	1
69	Deprotonation of Transient Guanosyl Cation Radical Catalyzed by Buffer in Aqueous Solution: TR-CIDNP Study. *Applied Magnetic Resonance*, **2011**, 41, 239-250	0.8	9
68	PELDOR analysis of enzyme-induced structural changes in damaged DNA duplexes. *Molecular BioSystems*, **2011**, 7, 2670-80		19
67	Mechanism of antisense oligonucleotide interaction with natural RNAs. *Journal of Biomolecular Structure and Dynamics*, **2011**, 29, 27-50	3.6	9
66	Dimeric Fe-Co Phthalocyanine Complex as a Reagent for the Selective Damage of Nucleic Acids. *Macroheterocycles*, **2011**, 4, 135-137	2.2	2
65	Conformational dynamics and pre-steady-state kinetics of DNA glycosylases. *Biochemistry (Moscow)* , **2010**, 75, 1225-39	2.9	5
64	Conformational transitions in human AP endonuclease 1 and its active site mutant during abasic site repair. *Biochemistry*, **2010**, 49, 6451-61	3.2	34
63	Biophysical and X-ray crystallographic analysis of Mps1 kinase inhibitor complexes. *Biochemistry*, **2010**, 49, 1689-701	3.2	28
62	Real-time studies of conformational dynamics of the repair enzyme E. coli formamidopyrimidine-DNA glycosylase and its DNA complexes during catalytic cycle. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2010**, 685, 3-10	3.3	33
61	Genetic and biochemical characterization of human AP endonuclease 1 mutants deficient in nucleotide incision repair activity. *PLoS ONE*, **2010**, 5, e12241	3.7	30

60	Fe(II) phthalocyanine catalyzed oxidation of dGMP by molecular oxygen. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 4335-8	2.9	6
59	Oxidation of DNA and its components with reactive oxygen species. *Russian Chemical Reviews*, **2009**, 78, 659-678	6.8	21
58	Reversible chemical step and rate-limiting enzyme regeneration in the reaction catalyzed by formamidopyrimidine-DNA glycosylase. *Biochemistry*, **2009**, 48, 11335-43	3.2	37
57	Conformational dynamics of human AP endonuclease in base excision and nucleotide incision repair pathways. *Journal of Biomolecular Structure and Dynamics*, **2009**, 26, 637-52	3.6	35
56	PELDOR study of conformations of double-spin-labeled single- and double-stranded DNA with non-nucleotide inserts. *Physical Chemistry Chemical Physics*, **2009**, 11, 6826-32	3.6	41
55	Substrate recognition of anthrax lethal factor examined by combinatorial and pre-steady-state kinetic approaches. *Journal of Biological Chemistry*, **2009**, 284, 17902-13	5.4	17
54	DNA-binding and oxidative properties of cationic phthalocyanines and their dimeric complexes with anionic phthalocyanines covalently linked to oligonucleotides. *Journal of Biomolecular Structure and Dynamics*, **2008**, 26, 307-20	3.6	12
53	Fluorescence spectroscopic and (19)f NMR studies of human thymidylate synthase with its cognate RNA. *Journal of Biomolecular Structure and Dynamics*, **2007**, 25, 253-70	3.6	5
52	Pre-steady-state kinetic study of substrate specificity of Escherichia coli formamidopyrimidine--DNA glycosylase. *Biochemistry*, **2007**, 46, 424-35	3.2	60
51	Kinetic conformational analysis of human 8-oxoguanine-DNA glycosylase. *Journal of Biological Chemistry*, **2007**, 282, 1029-38	5.4	59
50	Quantitative surface-enhanced resonance Raman scattering of phthalocyanine-labelled oligonucleotides. *Nucleic Acids Research*, **2007**, 35, e42	20.1	16
49	Conjugates of phthalocyanines with oligonucleotides as reagents for sensitized or catalytic DNA modification. *Bioinorganic Chemistry and Applications*, **2006**, 2006, 63703	4.2	7
48	Kinetic study of DNA modification by phthalocyanine derivative of the oligonucleotide. *Bioinorganic Chemistry and Applications*, **2006**, 2006, 23560	4.2	4
47	Kinetics of substrate recognition and cleavage by human 8-oxoguanine-DNA glycosylase. *Nucleic Acids Research*, **2005**, 33, 3919-31	20.1	90
46	Effect of DNA and bivalent metal ions on the interaction of thermostable DNA polymerase Tte with dNTPs. *Russian Chemical Bulletin*, **2005**, 54, 1306-1310	1.7	
45	Pre-steady-state kinetics shows differences in processing of various DNA lesions by Escherichia coli formamidopyrimidine-DNA glycosylase. *Nucleic Acids Research*, **2004**, 32, 926-35	20.1	55
44	Thermodynamics of interaction of phthalocyanine-oligonucleotide conjugates with single- and double-stranded DNA. *Nucleosides, Nucleotides and Nucleic Acids*, **2004**, 23, 983-7	1.4	4
43	Quantitative parameters of cooperative interactions of oligonucleotides within tandem complexes. *Russian Chemical Bulletin*, **2003**, 52, 2507-2516	1.7	1

42	Thermodynamic, kinetic, and structural basis for recognition and repair of 8-oxoguanine in DNA by Fpg protein from Escherichia coli. *Biochemistry*, **2002**, 41, 7540-8	3.2	43
41	Stopped-flow kinetic studies of the interaction between Escherichia coli Fpg protein and DNA substrates. *Biochemistry*, **2002**, 41, 1520-8	3.2	55
40	Photosensitized and catalytic oxidation of DNA by metallophthalocyanine-oligonucleotide conjugates. *Nucleosides, Nucleotides and Nucleic Acids*, **2001**, 20, 1259-62	1.4	12
39	CD and melting curves structural studies of the tandem DNA complex formed with oligonucleotides carrying photoactive and sensitizing groups in the nick region. *Journal of Biomolecular Structure and Dynamics*, **2001**, 19, 515-26	3.6	2
38	Binding of a porphyrin conjugate of Hoechst 33258 to DNA. I. UV-visible and melting studies detect multiple binding modes to a 12-mer nonself-complementary duplex. *Nucleosides, Nucleotides and Nucleic Acids*, **2001**, 20, 131-43	1.4	6
37	Binding of a desmetallo-porphyrin conjugate of Hoechst 33258 to DNA. III. Strong bonding to single-strand oligonucleotides. *Nucleosides, Nucleotides and Nucleic Acids*, **2001**, 20, 157-68	1.4	4
36	Cooperative Interactions in Photosensitized Modification of DNA with Oligonucleotide-derived Binary Reagents. *Molecular Biology*, **2000**, 34, 814-822	1.2	3
35	The synthesis of a cobalt(II) tetracarboxyphthalocyanine-deoxyribooligonucleotide conjugate as a reagent for the directed DNA modification. *Russian Journal of Bioorganic Chemistry*, **2000**, 26, 104-110	1	3
34	Real-Time Oligonucleotide Hybridization Kinetics Monitored by Resonant Mirror Technique. *IUBMB Life*, **1999**, 48, 317-320	4.7	12
33	Synthesis of New Oligonucleotide Derivatives with Porphyrins and Phthalocyanins. *Nucleosides & Nucleotides*, **1999**, 18, 1515-1516		3
32	Structural requirements of double and single stranded DNA substrates and inhibitors, including a photoaffinity label, of Fpg protein from Escherichia coli. *Journal of Biomolecular Structure and Dynamics*, **1999**, 17, 301-10	3.6	12
31	Real-time oligonucleotide hybridization kinetics monitored by resonant mirror technique. *IUBMB Life*, **1999**, 48, 317-20	4.7	18
30	Cooperative binding of oligonucleotides to adjacent sites of single-stranded DNA: sequence composition dependence at the junction. *Journal of Biomolecular Structure and Dynamics*, **1999**, 17, 259-65	3.6	8
29	Quantitative Parametrs of Cooperative Interactions of the Oligodeoxyribonucleotides on the Complementary Template. *Nucleosides & Nucleotides*, **1998**, 17, 1705-1708		
28	Cooperative interactions of the oligodeoxyribonucleotides on the complementary template. The influence of chemical groups and mismatched nucleotides at the 5S and 3Sends of oligonucleotides on the parameters of cooperativity. *Journal of Biomolecular Structure and Dynamics*, **1997**, 15, 369-80	3.6	5
27	Kinetic Approach for Determination of Affinity Properties of Reactive Oligonucleotide Derivatives to Complementary Regions in Nucleic Acids. *Nucleosides & Nucleotides*, **1997**, 16, 1807-1808		
26	Complexation of Photochromic Crown Ether Styryl Dyes with Mg2+ As Probed by Surface-Enhanced Raman Scattering Spectroscopy. *Journal of Physical Chemistry B*, **1997**, 101, 4077-4084	3.4	11
25	Site-specific photomodification of DNA by porphyrin-oligonucleotide conjugates synthesized via a solid phase H-phosphonate approach. *Bioconjugate Chemistry*, **1997**, 8, 49-56	6.3	32

24	A series of meso-tris (N-methyl-pyridiniumyl)-(4-alkylamidophenyl) porphyrins: synthesis, interaction with DNA and antibacterial activity. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1997**, 1354, 252-60		44
23	Surface-Enhanced Resonance Raman Spectra of Photochromic Crown Ether Styryl Dyes, Their Model Chromophores, and Their Complexes with Mg2+. *The Journal of Physical Chemistry*, **1996**, 100, 2154-2160		23
22	Thermodynamic and structural features of cooperative interactions in tandem oligonucleotide derivatives arranged at the complementary template. Chemical modification data. *Journal of Biomolecular Structure and Dynamics*, **1995**, 13, 145-66	3.6	6
21	Cooperative interactions in the tandem of oligonucleotide derivatives arranged at complementary target. Quantitative estimates and contribution of the target secondary structure. *FEBS Letters*, **1995**, 369, 287-9	3.8	3
20	Kinetic study of the addressed modification by hemin derivatives of oligonucleotides. *Biochimie*, **1993**, 75, 5-11	4.6	13
19	Oxidative degradation of nucleic acids. *Russian Chemical Reviews*, **1993**, 62, 65-86	6.8	24
18	The influence of the target structure on the efficiency of alkylation of single-stranded DNA with the reactive derivatives of antisense oligonucleotides. *FEBS Letters*, **1992**, 302, 47-50	3.8	8
17	Interaction of human and Escherichia coli tRNA(Phe) with human 80S ribosomes in the presence of oligo- and polyuridylate templates. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1992** , 1171, 56-64		18
16	Selective inhibition of the polypeptide chain elongation in eukaryotic cells. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1992**, 1129, 177-82		17
15	Palladium(II)-coproporphyrin I as a photoactivable group in sequence-specific modification of nucleic acids by oligonucleotide derivatives. *FEBS Letters*, **1990**, 259, 335-7	3.8	25
14	Interaction of puromycin with acceptor site of human placenta 80 S ribosomes. *FEBS Letters*, **1990**, 277, 4-6	3.8	3
13	The influence of oligonucleotide-effector on the selectivity of sequence specific modification of 16 S rRNA. *FEBS Letters*, **1990**, 269, 26-8	3.8	1
12	Hydroxyl radical generation and DNA strand scission mediated by natural anticancer and synthetic quinones. *FEBS Letters*, **1989**, 242, 397-400	3.8	13
11	Application of tris(2,2Sbipyridyl)ruthenium(III) for the investigation of DNA spatial structure by a chemical modification method. *Journal of Inorganic Biochemistry*, **1988**, 34, 149-55	4.2	10
10	Complementary addressed modification of double-stranded DNA within a ternary complex. *FEBS Letters*, **1988**, 228, 273-6	3.8	34
9	N-(2-hydroxyethyl)phenazinium derivatives of oligonucleotides as effectors of the sequence-specific modification of nucleic acids with reactive oligonucleotide derivatives. *FEBS Letters*, **1988**, 238, 35-8	3.8	33
8	Sequence-specific chemical modification of double-stranded DNA with alkylating oligodeoxyribonucleotide derivatives. *Gene*, **1988**, 72, 313-22	3.8	41
7	Chemiluminescent method to measure generation rates of active centers in reaction of hydrogen peroxide with hemin and pyridinehemichrome. *Reaction Kinetics and Catalysis Letters*, **1985**, 29, 249-254		

6	On the generation of (dot O_2^ -) radical ions in alkaline solution of hydrogen peroxide. *Reaction Kinetics and Catalysis Letters*, **1983**, 23, 73-78		4
5	Chemiluminescent oxidation of luminol and the mechanism of decomposition of H2O2 in the presence of homogeneous catalysts. *Theoretical and Experimental Chemistry*, **1983**, 19, 307-312	1.3	1
4	Mechanism of ascorbic acid oxidation by molecular oxygen in aqueous pyridine catalyzed by CO2+, Ni2+, Mn2+ and Zn2+. *Reaction Kinetics and Catalysis Letters*, **1980**, 15, 67-72		1
3	Chemiluminescence in alkaline solutions of hydrogen peroxide and o-phenanthroline. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1979**, 28, 692-695		
2	Mechanism of chemiluminescence in the oxidation of 1,10-phenanthroline by hydrogen peroxide in aqueous solution. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1979**, 28, 1144-1148		2
1	Catalytic oxidation of ascorbic acid by molecular oxygen in aqueous pyridine in the presence of Co2+, Ni2+, Mn2+ and Zn2+ ions. *Reaction Kinetics and Catalysis Letters*, **1978**, 8, 371-375		6