

Olga Fedorova

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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	Kinetics of substrate recognition and cleavage by human 8-oxoguanine-DNA glycosylase. <i>Nucleic Acids Research</i> , 2005 , 33, 3919-31	20.1	90
148	Pre-steady-state kinetic study of substrate specificity of Escherichia coli formamidopyrimidine-DNA glycosylase. <i>Biochemistry</i> , 2007 , 46, 424-35	3.2	60
147	Kinetic conformational analysis of human 8-oxoguanine-DNA glycosylase. <i>Journal of Biological Chemistry</i> , 2007 , 282, 1029-38	5.4	59
146	Pre-steady-state kinetics shows differences in processing of various DNA lesions by Escherichia coli formamidopyrimidine-DNA glycosylase. <i>Nucleic Acids Research</i> , 2004 , 32, 926-35	20.1	55
145	Stopped-flow kinetic studies of the interaction between Escherichia coli Fpg protein and DNA substrates. <i>Biochemistry</i> , 2002 , 41, 1520-8	3.2	55
144	Thermodynamics of the multi-stage DNA lesion recognition and repair by formamidopyrimidine-DNA glycosylase using pyrrolocytosine fluorescence--stopped-flow pre-steady-state kinetics. <i>Nucleic Acids Research</i> , 2012 , 40, 7384-92	20.1	47
143	A series of meso-tris (N-methyl-pyridiniumyl)-(4-alkylamidophenyl) porphyrins: synthesis, interaction with DNA and antibacterial activity. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1997 , 1354, 252-60		44
142	Thermodynamic, kinetic, and structural basis for recognition and repair of 8-oxoguanine in DNA by Fpg protein from Escherichia coli. <i>Biochemistry</i> , 2002 , 41, 7540-8	3.2	43
141	PELDOR study of conformations of double-spin-labeled single- and double-stranded DNA with non-nucleotide inserts. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 6826-32	3.6	41
140	Sequence-specific chemical modification of double-stranded DNA with alkylating oligodeoxyribonucleotide derivatives. <i>Gene</i> , 1988 , 72, 313-22	3.8	41
139	Active destabilization of base pairs by a DNA glycosylase wedge initiates damage recognition. <i>Nucleic Acids Research</i> , 2015 , 43, 272-81	20.1	39
138	Effects of mono- and divalent metal ions on DNA binding and catalysis of human apurinic/apyrimidinic endonuclease 1. <i>Molecular BioSystems</i> , 2016 , 12, 1527-39		38
137	Reversible chemical step and rate-limiting enzyme regeneration in the reaction catalyzed by formamidopyrimidine-DNA glycosylase. <i>Biochemistry</i> , 2009 , 48, 11335-43	3.2	37
136	Step-by-step mechanism of DNA damage recognition by human 8-oxoguanine DNA glycosylase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 387-95	4	35
135	Conformational dynamics of human AP endonuclease in base excision and nucleotide incision repair pathways. <i>Journal of Biomolecular Structure and Dynamics</i> , 2009 , 26, 637-52	3.6	35
134	New environment-sensitive multichannel DNA fluorescent label for investigation of the protein-DNA interactions. <i>PLoS ONE</i> , 2014 , 9, e100007	3.7	35
133	Conformational transitions in human AP endonuclease 1 and its active site mutant during abasic site repair. <i>Biochemistry</i> , 2010 , 49, 6451-61	3.2	34

132	Complementary addressed modification of double-stranded DNA within a ternary complex. <i>FEBS Letters</i> , 1988 , 228, 273-6	3.8	34
131	Real-time studies of conformational dynamics of the repair enzyme E. coli formamidopyrimidine-DNA glycosylase and its DNA complexes during catalytic cycle. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010 , 685, 3-10	3.3	33
130	N-(2-hydroxyethyl)phenazinium derivatives of oligonucleotides as effectors of the sequence-specific modification of nucleic acids with reactive oligonucleotide derivatives. <i>FEBS Letters</i> , 1988 , 238, 35-8	3.8	33
129	Site-specific photomodification of DNA by porphyrin-oligonucleotide conjugates synthesized via a solid phase H-phosphonate approach. <i>Bioconjugate Chemistry</i> , 1997 , 8, 49-56	6.3	32
128	Genetic and biochemical characterization of human AP endonuclease 1 mutants deficient in nucleotide incision repair activity. <i>PLoS ONE</i> , 2010 , 5, e12241	3.7	30
127	Conformational Dynamics of DNA Repair by Escherichia coli Endonuclease III. <i>Journal of Biological Chemistry</i> , 2015 , 290, 14338-49	5.4	29
126	Biophysical and X-ray crystallographic analysis of Mps1 kinase inhibitor complexes. <i>Biochemistry</i> , 2010 , 49, 1689-701	3.2	28
125	Thermodynamics of the DNA damage repair steps of human 8-oxoguanine DNA glycosylase. <i>PLoS ONE</i> , 2014 , 9, e98495	3.7	27
124	Palladium(II)-coproporphyrin I as a photoactivable group in sequence-specific modification of nucleic acids by oligonucleotide derivatives. <i>FEBS Letters</i> , 1990 , 259, 335-7	3.8	25
123	Conformational dynamics of abasic DNA upon interactions with AP endonuclease 1 revealed by stopped-flow fluorescence analysis. <i>Biochemistry</i> , 2012 , 51, 1306-21	3.2	24
122	Oxidative degradation of nucleic acids. <i>Russian Chemical Reviews</i> , 1993 , 62, 65-86	6.8	24
121	The role of the N-terminal domain of human apurinic/aprimidinic endonuclease 1, APE1, in DNA glycosylase stimulation. <i>DNA Repair</i> , 2018 , 64, 10-25	4.3	23
120	Surface-Enhanced Resonance Raman Spectra of Photochromic Crown Ether Styryl Dyes, Their Model Chromophores, and Their Complexes with Mg ²⁺ . <i>The Journal of Physical Chemistry</i> , 1996 , 100, 2154-2160		23
119	Pre-steady-state fluorescence analysis of damaged DNA transfer from human DNA glycosylases to AP endonuclease APE1. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 3042-51	4	22
118	Conformational dynamics of the interaction of Escherichia coli endonuclease VIII with DNA substrates. <i>DNA Repair</i> , 2012 , 11, 884-91	4.3	22
117	Oxidation of DNA and its components with reactive oxygen species. <i>Russian Chemical Reviews</i> , 2009 , 78, 659-678	6.8	21
116	DNA damage processing by human 8-oxoguanine-DNA glycosylase mutants with the occluded active site. <i>Journal of Biological Chemistry</i> , 2013 , 288, 28936-47	5.4	20
115	PELDOR analysis of enzyme-induced structural changes in damaged DNA duplexes. <i>Molecular BioSystems</i> , 2011 , 7, 2670-80		19

114	Highly mutagenic exocyclic DNA adducts are substrates for the human nucleotide incision repair pathway. <i>PLoS ONE</i> , 2012 , 7, e51776	3.7	18
113	Real-time oligonucleotide hybridization kinetics monitored by resonant mirror technique. <i>IUBMB Life</i> , 1999 , 48, 317-20	4.7	18
112	Interaction of human and Escherichia coli tRNA(Phe) with human 80S ribosomes in the presence of oligo- and polyuridylylate templates. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1992 , 1171, 56-64		18
111	Substrate recognition of anthrax lethal factor examined by combinatorial and pre-steady-state kinetic approaches. <i>Journal of Biological Chemistry</i> , 2009 , 284, 17902-13	5.4	17
110	Selective inhibition of the polypeptide chain elongation in eukaryotic cells. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1992 , 1129, 177-82		17
109	Thermodynamics of Damaged DNA Binding and Catalysis by Human AP Endonuclease 1. <i>Acta Naturae</i> , 2016 , 8, 103-110	2.1	17
108	Substrate specificity of human apurinic/aprimidinic endonuclease APE1 in the nucleotide incision repair pathway. <i>Nucleic Acids Research</i> , 2018 , 46, 11454-11465	20.1	17
107	Pre-steady-state kinetic analysis of damage recognition by human single-strand selective monofunctional uracil-DNA glycosylase SMUG1. <i>Molecular BioSystems</i> , 2017 , 13, 2638-2649		16
106	Kinetic Features of 3S5SExonuclease Activity of Human AP-Endonuclease APE1. <i>Molecules</i> , 2018 , 23,	4.8	16
105	Mechanism of recognition and repair of damaged DNA by human 8-oxoguanine DNA glycosylase hOGG1. <i>Biochemistry (Moscow)</i> , 2011 , 76, 118-30	2.9	16
104	Quantitative surface-enhanced resonance Raman scattering of phthalocyanine-labelled oligonucleotides. <i>Nucleic Acids Research</i> , 2007 , 35, e42	20.1	16
103	Pre-steady-state kinetic and structural analysis of interaction of methionine lyase from <i>Citrobacter freundii</i> with inhibitors. <i>Journal of Biological Chemistry</i> , 2015 , 290, 671-81	5.4	15
102	Role of light-chain constant-domain switch in the structure and functionality of A17 reactibody. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014 , 70, 708-19		15
101	Search for Modified DNA Sites with the Human Methyl-CpG-Binding Enzyme MBD4. <i>Acta Naturae</i> , 2017 , 9, 88-98	2.1	15
100	Lys98 substitution in human AP endonuclease 1 affects the kinetic mechanism of enzyme action in base excision and nucleotide incision repair pathways. <i>PLoS ONE</i> , 2011 , 6, e24063	3.7	14
99	Real-Time Interaction between TVR and the TATA Box of the Human Triosephosphate Isomerase Gene Promoter in the Norm and Pathology. <i>Acta Naturae</i> , 2014 , 6, 36-40	2.1	14
98	Mutational and Kinetic Analysis of Lesion Recognition by Escherichia coli Endonuclease VIII. <i>Genes</i> , 2017 , 8,	4.2	13
97	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. <i>DNA Repair</i> , 2014 , 21, 43-54	4.3	13

96	Kinetic study of the addressed modification by hemin derivatives of oligonucleotides. <i>Biochimie</i> , 1993 , 75, 5-11	4.6	13
95	Hydroxyl radical generation and DNA strand scission mediated by natural anticancer and synthetic quinones. <i>FEBS Letters</i> , 1989 , 242, 397-400	3.8	13
94	DNA-binding and oxidative properties of cationic phthalocyanines and their dimeric complexes with anionic phthalocyanines covalently linked to oligonucleotides. <i>Journal of Biomolecular Structure and Dynamics</i> , 2008 , 26, 307-20	3.6	12
93	Photosensitized and catalytic oxidation of DNA by metallophthalocyanine-oligonucleotide conjugates. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001 , 20, 1259-62	1.4	12
92	Real-Time Oligonucleotide Hybridization Kinetics Monitored by Resonant Mirror Technique. <i>IUBMB Life</i> , 1999 , 48, 317-320	4.7	12
91	Structural requirements of double and single stranded DNA substrates and inhibitors, including a photoaffinity label, of Fpg protein from Escherichia coli. <i>Journal of Biomolecular Structure and Dynamics</i> , 1999 , 17, 301-10	3.6	12
90	Kinetics and Thermodynamics of DNA Processing by Wild Type DNA-Glycosylase Endo III and Its Catalytically Inactive Mutant Forms. <i>Genes</i> , 2018 , 9,	4.2	11
89	Complexation of Photochromic Crown Ether Styryl Dyes with Mg ²⁺ As Probed by Surface-Enhanced Raman Scattering Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 4077-4084	3.4	11
88	Application of tris(2,2Sbipyridyl)ruthenium(III) for the investigation of DNA spatial structure by a chemical modification method. <i>Journal of Inorganic Biochemistry</i> , 1988 , 34, 149-55	4.2	10
87	Real-Time Interaction between TBP and the TATA Box of the Human Triosephosphate Isomerase Gene Promoter in the Norm and Pathology. <i>Acta Naturae</i> , 2014 , 6, 36-40	2.1	10
86	Thermodynamics of Damaged DNA Binding and Catalysis by Human AP Endonuclease 1. <i>Acta Naturae</i> , 2016 , 8, 103-10	2.1	10
85	Conformational Dynamics of Damage Processing by Human DNA Glycosylase NEIL1. <i>Journal of Molecular Biology</i> , 2019 , 431, 1098-1112	6.5	9
84	The impact of single-nucleotide polymorphisms of human apurinic/aprimidinic endonuclease 1 on specific DNA binding and catalysis. <i>Biochimie</i> , 2019 , 163, 73-83	4.6	9
83	Deprotonation of Transient Guanosyl Cation Radical Catalyzed by Buffer in Aqueous Solution: TR-CIDNP Study. <i>Applied Magnetic Resonance</i> , 2011 , 41, 239-250	0.8	9
82	Mechanism of antisense oligonucleotide interaction with natural RNAs. <i>Journal of Biomolecular Structure and Dynamics</i> , 2011 , 29, 27-50	3.6	9
81	Structural Features of the Interaction between Human 8-Oxoguanine DNA Glycosylase hOGG1 and DNA. <i>Acta Naturae</i> , 2014 , 6, 52-65	2.1	9
80	The formation of catalytically competent enzyme-substrate complex is not a bottleneck in lesion excision by human alkyladenine DNA glycosylase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 950-967	3.6	8
79	Role of Ionizing Amino Acid Residues in the Process of DNA Binding by Human AP Endonuclease 1 and in Its Catalysis. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 9546-9556	3.4	8

78	Cooperative binding of oligonucleotides to adjacent sites of single-stranded DNA: sequence composition dependence at the junction. <i>Journal of Biomolecular Structure and Dynamics</i> , 1999 , 17, 259-65	3.6	8
77	The influence of the target structure on the efficiency of alkylation of single-stranded DNA with the reactive derivatives of antisense oligonucleotides. <i>FEBS Letters</i> , 1992 , 302, 47-50	3.8	8
76	The kinetic analysis of recognition of the damaged nucleotides by mutant forms of the 8-oxoguanine DNA glycosylase hOGG1. <i>Russian Journal of Bioorganic Chemistry</i> , 2017 , 43, 1-12	1	7
75	New oligonucleotide derivatives as unreactive substrate analogues and potential inhibitors of human apurinic/apyrimidinic endonuclease APE1. <i>Molecular BioSystems</i> , 2016 , 12, 67-75		7
74	Global DNA dynamics of 8-oxoguanine repair by human OGG1 revealed by stopped-flow kinetics and molecular dynamics simulation. <i>Molecular BioSystems</i> , 2017 , 13, 1954-1966		7
73	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. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 3070-3081	3.6	7
72	¹ H CIDNP study of the kinetics and mechanism of the reversible photoinduced oxidation of tryptophyl-tryptophan dipeptide in aqueous solutions. <i>Russian Chemical Bulletin</i> , 2011 , 60, 2579-2587	1.7	7
71	Conjugates of phthalocyanines with oligonucleotides as reagents for sensitized or catalytic DNA modification. <i>Bioinorganic Chemistry and Applications</i> , 2006 , 2006, 63703	4.2	7
70	Effect of the Substrate Structure and Metal Ions on the Hydrolysis of Undamaged RNA by Human AP Endonuclease APE1. <i>Acta Naturae</i> , 2020 , 12, 74-85	2.1	7
69	A kinetic mechanism of repair of DNA containing monomeric deoxyadenosine by human apurinic/apyrimidinic endonuclease 1. <i>Molecular BioSystems</i> , 2016 , 12, 3435-3446		6
68	Thermodynamic Analysis of Fast Stages of Specific Lesion Recognition by DNA Repair Enzymes. <i>Biochemistry (Moscow)</i> , 2016 , 81, 1136-1152	2.9	6
67	Kinetic mechanism of human apurinic/apyrimidinic endonuclease action in nucleotide incision repair. <i>Biochemistry (Moscow)</i> , 2011 , 76, 273-81	2.9	6
66	Fe(II) phthalocyanine catalyzed oxidation of dGMP by molecular oxygen. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 4335-8	2.9	6
65	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. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001 , 20, 131-43	1.4	6
64	Thermodynamic and structural features of cooperative interactions in tandem oligonucleotide derivatives arranged at the complementary template. Chemical modification data. <i>Journal of Biomolecular Structure and Dynamics</i> , 1995 , 13, 145-66	3.6	6
63	Catalytic oxidation of ascorbic acid by molecular oxygen in aqueous pyridine in the presence of Co ²⁺ , Ni ²⁺ , Mn ²⁺ and Zn ²⁺ ions. <i>Reaction Kinetics and Catalysis Letters</i> , 1978 , 8, 371-375		6
62	Pulsed Electron Double Resonance in Structural Studies of Spin-Labeled Nucleic Acids. <i>Acta Naturae</i> , 2013 , 5, 9-32	2.1	6
61	Kinetic Milestones of Damage Recognition by DNA Glycosylases of the Helix-Hairpin-Helix Structural Superfamily. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1241, 1-18	3.6	6

60	Effect of Some Substituents Increasing the Solubility of Zn(II) and Al(III) Phthalocyanines on Their Photophysical Properties. <i>Bioinorganic Chemistry and Applications</i> , 2014 , 2014, 952632	4.2	5
59	Conformational dynamics and pre-steady-state kinetics of DNA glycosylases. <i>Biochemistry (Moscow)</i> , 2010 , 75, 1225-39	2.9	5
58	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. <i>Journal of Biomolecular Structure and Dynamics</i> , 1997 , 15, 369-80	3.6	5
57	Fluorescence spectroscopic and (19)f NMR studies of human thymidylate synthase with its cognate RNA. <i>Journal of Biomolecular Structure and Dynamics</i> , 2007 , 25, 253-70	3.6	5
56	Search for Modified DNA Sites with the Human Methyl-CpG-Binding Enzyme MBD4. <i>Acta Naturae</i> , 2017 , 9, 88-98	2.1	5
55	Thermodynamics of the DNA Repair Process by Endonuclease VIII. <i>Acta Naturae</i> , 2019 , 11, 29-37	2.1	5
54	Roles of Active-Site Amino Acid Residues in Specific Recognition of DNA Lesions by Human 8-Oxoguanine-DNA Glycosylase (OGG1). <i>Journal of Physical Chemistry B</i> , 2019 , 123, 4878-4887	3.4	4
53	An Assay for the Activity of Base Excision Repair Enzymes in Cellular Extracts Using Fluorescent DNA Probes. <i>Biochemistry (Moscow)</i> , 2020 , 85, 480-489	2.9	4
52	Apurinic/aprimidinic endonuclease Apn1 from <i>Saccharomyces cerevisiae</i> is recruited to the nucleotide incision repair pathway: Kinetic and structural features. <i>Biochimie</i> , 2018 , 152, 53-62	4.6	4
51	Pre-steady state kinetics of DNA binding and abasic site hydrolysis by tyrosyl-DNA phosphodiesterase 1. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 2314-2327	3.6	4
50	Kinetic mechanism of the interaction of <i>Saccharomyces cerevisiae</i> AP-endonuclease 1 with DNA substrates. <i>Biochemistry (Moscow)</i> , 2012 , 77, 1162-71	2.9	4
49	Effect of complexation with arabinogalactan on pharmacokinetics of "guest" drugs in rats: for example, warfarin. <i>BioMed Research International</i> , 2013 , 2013, 156381	3	4
48	Direct DNA Lesion Reversal and Excision Repair in <i>Escherichia coli</i> . <i>EcoSal Plus</i> , 2013 , 5,	7.7	4
47	Kinetic study of DNA modification by phthalocyanine derivative of the oligonucleotide. <i>Bioinorganic Chemistry and Applications</i> , 2006 , 2006, 23560	4.2	4
46	Thermodynamics of interaction of phthalocyanine-oligonucleotide conjugates with single- and double-stranded DNA. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004 , 23, 983-7	1.4	4
45	Binding of a desmetallo-porphyrin conjugate of Hoechst 33258 to DNA. III. Strong bonding to single-strand oligonucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001 , 20, 157-68	1.4	4
44	On the generation of (\dot{O}_2^-) radical ions in alkaline solution of hydrogen peroxide. <i>Reaction Kinetics and Catalysis Letters</i> , 1983 , 23, 73-78		4
43	Lesion Recognition and Cleavage of Damage-Containing Quadruplexes and Bulged Structures by DNA Glycosylases. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 595687	5.7	4

42	A Single-Turnover Kinetic Study of DNA Demethylation Catalyzed by Fe(II)/ α -Ketoglutarate-Dependent Dioxygenase AlkB. <i>Molecules</i> , 2019 , 24,	4.8	4
41	The role of His-83 of yeast apurinic/aprimidinic endonuclease Apn1 in catalytic incision of abasic sites in DNA. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015 , 1850, 1297-309	4	3
40	Cooperative Interactions in Photosensitized Modification of DNA with Oligonucleotide-derived Binary Reagents. <i>Molecular Biology</i> , 2000 , 34, 814-822	1.2	3
39	The synthesis of a cobalt(II) tetracarboxyphthalocyanine-deoxyribooligonucleotide conjugate as a reagent for the directed DNA modification. <i>Russian Journal of Bioorganic Chemistry</i> , 2000 , 26, 104-110	1	3
38	Synthesis of New Oligonucleotide Derivatives with Porphyrins and Phthalocyanins. <i>Nucleosides & Nucleotides</i> , 1999 , 18, 1515-1516		3
37	Cooperative interactions in the tandem of oligonucleotide derivatives arranged at complementary target. Quantitative estimates and contribution of the target secondary structure. <i>FEBS Letters</i> , 1995 , 369, 287-9	3.8	3
36	Interaction of puromycin with acceptor site of human placenta 80 S ribosomes. <i>FEBS Letters</i> , 1990 , 277, 4-6	3.8	3
35	Modulation of the Apurinic/Apyrimidinic Endonuclease Activity of Human APE1 and of Its Natural Polymorphic Variants by Base Excision Repair Proteins. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
34	Structural Features of the Interaction between Human 8-Oxoguanine DNA Glycosylase hOGG1 and DNA. <i>Acta Naturae</i> , 2014 , 6, 52-65	2.1	3
33	Activity of Human Apurinic/Apyrimidinic Endonuclease APE1 Toward Damaged DNA and Native RNA With Non-canonical Structures. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 590848	5.7	3
32	The role of active-site amino acid residues in the cleavage of DNA and RNA substrates by human apurinic/aprimidinic endonuclease APE1. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020 , 1864, 129718	4	3
31	Interaction features of adenine DNA glycosylase MutY from E. coli with DNA substrates. <i>Russian Journal of Bioorganic Chemistry</i> , 2017 , 43, 13-22	1	2
30	The Role of Active-Site Residues Phe98, His239, and Arg243 in DNA Binding and in the Catalysis of Human Uracil-DNA Glycosylase SMUG1. <i>Molecules</i> , 2019 , 24,	4.8	2
29	Evolution of inhibitor-resistant natural mutant forms of HIV-1 protease probed by pre-steady state kinetic analysis. <i>Biochimie</i> , 2017 , 142, 125-134	4.6	2
28	CD and melting curves structural studies of the tandem DNA complex formed with oligonucleotides carrying photoactive and sensitizing groups in the nick region. <i>Journal of Biomolecular Structure and Dynamics</i> , 2001 , 19, 515-26	3.6	2
27	Mechanism of chemiluminescence in the oxidation of 1,10-phenanthroline by hydrogen peroxide in aqueous solution. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1979 , 28, 1144-1148		2
26	Pulsed electron double resonance in structural studies of spin-labeled nucleic acids. <i>Acta Naturae</i> , 2013 , 5, 9-32	2.1	2
25	Thermodynamics of the DNA Repair Process by Endonuclease VIII. <i>Acta Naturae</i> , 2019 , 11, 29-37	2.1	2

24	Dimeric Fe-Co Phthalocyanine Complex as a Reagent for the Selective Damage of Nucleic Acids. <i>Macroheterocycles</i> , 2011 , 4, 135-137	2.2	2
23	The Role of Active-Site Plasticity in Damaged-Nucleotide Recognition by Human Apurinic/Apyrimidinic Endonuclease APE1. <i>Molecules</i> , 2020 , 25,	4.8	2
22	Mutational and Kinetic Analysis of APE1 Endoribonuclease Activity. <i>Molecular Biology</i> , 2021 , 55, 211-224	1.2	2
21	New Fluorescent Analogs of Nucleotides Based on 3-Hydroxychromone for Recording Conformational Changes of DNA. <i>Russian Journal of Bioorganic Chemistry</i> , 2019 , 45, 599-607	1	2
20	Comparative Analysis of Nucleotide Fluorescent Analogs for Registration of DNA Conformational Changes Induced by Interaction with Formamidopyrimidine-DNA Glycosylase Fpg. <i>Russian Journal of Bioorganic Chemistry</i> , 2019 , 45, 591-598	1	2
19	Reaction of 4-hydroxycoumarin with 2-acetyloxiranes. <i>Russian Journal of Organic Chemistry</i> , 2013 , 49, 1497-1501	0.7	1
18	Pre-steady-state kinetics of interaction of wild-type and multiple drug-resistant HIV protease with first and second generation inhibitory drugs. <i>Doklady Biochemistry and Biophysics</i> , 2011 , 440, 239-43	0.8	1
17	Quantitative parameters of cooperative interactions of oligonucleotides within tandem complexes. <i>Russian Chemical Bulletin</i> , 2003 , 52, 2507-2516	1.7	1
16	The influence of oligonucleotide-effector on the selectivity of sequence specific modification of 16 S rRNA. <i>FEBS Letters</i> , 1990 , 269, 26-8	3.8	1
15	Mechanism of ascorbic acid oxidation by molecular oxygen in aqueous pyridine catalyzed by CO ₂ ⁺ , Ni ²⁺ , Mn ²⁺ and Zn ²⁺ . <i>Reaction Kinetics and Catalysis Letters</i> , 1980 , 15, 67-72		1
14	Chemiluminescent oxidation of luminol and the mechanism of decomposition of H ₂ O ₂ in the presence of homogeneous catalysts. <i>Theoretical and Experimental Chemistry</i> , 1983 , 19, 307-312	1.3	1
13	Role of Arg243 and His239 Residues in the Recognition of Damaged Nucleotides by Human Uracil-DNA Glycosylase SMUG1. <i>Biochemistry (Moscow)</i> , 2020 , 85, 594-603	2.9	1
12	Comparative Analysis of the Activity of the Polymorphic Variants of Human Uracil-DNA-Glycosylases SMUG1 and MBD4. <i>Molecular Biology</i> , 2021 , 55, 241-251	1.2	1
11	Conformational Dynamics of Dioxygenase AlkB and DNA in the Course of Catalytically Active Enzyme-Substrate Complex Formation. <i>Russian Journal of Bioorganic Chemistry</i> , 2019 , 45, 630-640	1	1
10	Pre-Steady-State Kinetics of the SARS-CoV-2 Main Protease as a Powerful Tool for Antiviral Drug Discovery. <i>Frontiers in Pharmacology</i> , 2021 , 12, 773198	5.6	1
9	Efficiency of RNA Hydrolysis by Binase from <i>Bacillus pumilus</i> : The Impact of Substrate Structure, Metal Ions, and Low Molecular Weight Nucleotide Compounds. <i>Molecular Biology</i> , 2020 , 54, 769-776	1.2	0
8	The Enigma of Substrate Recognition and Catalytic Efficiency of APE1-Like Enzymes. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 617161	5.7	0
7	Kinetic Approach for Determination of Affinity Properties of Reactive Oligonucleotide Derivatives to Complementary Regions in Nucleic Acids. <i>Nucleosides & Nucleotides</i> , 1997 , 16, 1807-1808		

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- 5 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
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