Olga Fedorova

List of Publications by Year
in descending order

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158 papers	2,660 citations	172207 29 h-index	276539 41 g-index
178 all docs	178 docs citations	178 times ranked	1433 citing authors

#	Article	IF	Citations
1	Kinetics of substrate recognition and cleavage by human 8-oxoguanine-DNA glycosylase. Nucleic Acids Research, 2005, 33, 3919-3931.	6.5	108
2	Kinetic Conformational Analysis of Human 8-Oxoguanine-DNA Glycosylase. Journal of Biological Chemistry, 2007, 282, 1029-1038.	1.6	69
3	Pre-Steady-State Kinetic Study of Substrate Specificity ofEscherichia coliFormamidopyrimidineâˆ'DNA Glycosylaseâ€. Biochemistry, 2007, 46, 424-435.	1.2	68
4	Stopped-Flow Kinetic Studies of the Interaction between Escherichia coli Fpg Protein and DNA Substrates. Biochemistry, 2002, 41, 1520-1528.	1.2	58
5	Pre-steady-state kinetics shows differences in processing of various DNA lesions by Escherichia coli formamidopyrimidine-DNA glycosylase. Nucleic Acids Research, 2004, 32, 926-935.	6.5	57
6	Thermodynamics of the multi-stage DNA lesion recognition and repair by formamidopyrimidine-DNA glycosylase using pyrrolocytosine fluorescenceâ€"stopped-flow pre-steady-state kinetics. Nucleic Acids Research, 2012, 40, 7384-7392.	6.5	57
7	Effects of mono- and divalent metal ions on DNA binding and catalysis of human apurinic/apyrimidinic endonuclease 1. Molecular BioSystems, 2016, 12, 1527-1539.	2.9	54
8	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, 252-260.	2.4	50
9	Active destabilization of base pairs by a DNA glycosylase wedge initiates damage recognition. Nucleic Acids Research, 2015, 43, 272-281.	6.5	49
10	Conformational Dynamics of Human AP Endonuclease in Base Excision and Nucleotide Incision Repair Pathways. Journal of Biomolecular Structure and Dynamics, 2009, 26, 637-652.	2.0	47
11	Thermodynamic, Kinetic, and Structural Basis for Recognition and Repair of 8-Oxoguanine in DNA by Fpg Protein fromEscherichiacoliâ€. Biochemistry, 2002, 41, 7540-7548.	1.2	46
12	Reversible Chemical Step and Rate-Limiting Enzyme Regeneration in the Reaction Catalyzed by Formamidopyrimidine-DNA Glycosylase. Biochemistry, 2009, 48, 11335-11343.	1.2	46
13	PELDOR study of conformations of double-spin-labeled single- and double-stranded DNA with non-nucleotide inserts. Physical Chemistry Chemical Physics, 2009, 11, 6826.	1.3	46
14	Sequence-specific chemical modification of double-stranded DNA with alkylating oligodeoxyribonucleotide derivatives. Gene, 1988, 72, 313-322.	1.0	44
15	New Environment-Sensitive Multichannel DNA Fluorescent Label for Investigation of the Protein-DNA Interactions. PLoS ONE, 2014, 9, e100007.	1.1	44
16	Step-by-step mechanism of DNA damage recognition by human 8-oxoguanine DNA glycosylase. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 387-395.	1.1	43
17	Complementary addressed modification of double-stranded DNA within a ternary complex. FEBS Letters, 1988, 228, 273-276.	1.3	42
18	Conformational Transitions in Human AP Endonuclease 1 and Its Active Site Mutant during Abasic Site Repair. Biochemistry, 2010, 49, 6451-6461.	1.2	42

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19	Conformational Dynamics of DNA Repair by Escherichia coli Endonuclease III. Journal of Biological Chemistry, 2015, 290, 14338-14349.	1.6	42
20	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, 35-38.	1.3	40
21	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.	0.4	39
22	Substrate specificity of human apurinic/apyrimidinic endonuclease APE1 in the nucleotide incision repair pathway. Nucleic Acids Research, 2018, 46, 11454-11465.	6.5	38
23	Genetic and Biochemical Characterization of Human AP Endonuclease 1 Mutants Deficient in Nucleotide Incision Repair Activity. PLoS ONE, 2010, 5, e12241.	1.1	37
24	Thermodynamics of the DNA Damage Repair Steps of Human 8-Oxoguanine DNA Glycosylase. PLoS ONE, 2014, 9, e98495.	1.1	36
25	Biophysical and X-ray Crystallographic Analysis of Mps1 Kinase Inhibitor Complexes[,]. Biochemistry, 2010, 49, 1689-1701.	1.2	35
26	Site-Specific Photomodification of DNA by Porphyrinâ^'Oligonucleotide Conjugates Synthesized via a Solid Phase H-Phosphonate Approach. Bioconjugate Chemistry, 1997, 8, 49-56.	1.8	34
27	Oxidative degradation of nucleic acids. Russian Chemical Reviews, 1993, 62, 65-86.	2.5	33
28	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, 3042-3051.	1.1	30
29	The role of the N-terminal domain of human apurinic/apyrimidinic endonuclease 1, APE1, in DNA glycosylase stimulation. DNA Repair, 2018, 64, 10-25.	1.3	30
30	Conformational dynamics of the interaction of Escherichia coli endonuclease VIII with DNA substrates. DNA Repair, 2012, 11, 884-891.	1.3	29
31	Conformational Dynamics of Abasic DNA upon Interactions with AP Endonuclease 1 Revealed by Stopped-Flow Fluorescence Analysis. Biochemistry, 2012, 51, 1306-1321.	1.2	29
32	Highly Mutagenic Exocyclic DNA Adducts Are Substrates for the Human Nucleotide Incision Repair Pathway. PLoS ONE, 2012, 7, e51776.	1.1	29
33	Kinetic Features of 3â€²-5â€² Exonuclease Activity of Human AP-Endonuclease APE1. Molecules, 2018, 23, 2101.	1.7	29
34	Palladium(II)-coproporphyrin I as a photoactivable group in sequence-specific modification of nucleic acids by oligonucleotide derivatives. FEBS Letters, 1990, 259, 335-337.	1.3	28
35	Thermodynamics of Damaged DNA Binding and Catalysis by Human AP Endonuclease 1. Acta Naturae, 2016, 8, 103-110.	1.7	28
36	Oxidation of DNA and its components with reactive oxygen species. Russian Chemical Reviews, 2009, 78, 659-678.	2.5	26

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37	Pre-steady-state kinetic analysis of damage recognition by human single-strand selective monofunctional uracil-DNA glycosylase SMUG1. Molecular BioSystems, 2017, 13, 2638-2649.	2.9	26
38	DNA Damage Processing by Human 8-Oxoguanine-DNA Glycosylase Mutants with the Occluded Active Site. Journal of Biological Chemistry, 2013, 288, 28936-28947.	1.6	25
39	Search for Modified DNA Sites with the Human Methyl-CpG-Binding Enzyme MBD4. Acta Naturae, 2017, 9, 88-98.	1.7	25
40	Interaction of human and Escherichia coli tRNAPhe with human 80S ribosomes in the presence of oligo- and polyuridylate templates. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1992, 1171, 56-64.	2.4	24
41	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.	2.9	24
42	Role of Îºâ†'Î» light-chain constant-domain switch in the structure and functionality of A17 reactibody. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 708-719.	2.5	22
43	PELDOR analysis of enzyme-induced structural changes in damaged DNA duplexes. Molecular BioSystems, 2011, 7, 2670.	2.9	21
44	Mutational and Kinetic Analysis of Lesion Recognition by Escherichia coli Endonuclease VIII. Genes, 2017, 8, 140.	1.0	21
45	Mechanism of recognition and repair of damaged DNA by human 8-oxoguanine DNA glycosylase hOGG1. Biochemistry (Moscow), 2011, 76, 118-130.	0.7	20
46	Selective inhibition of the polypeptide chain elongation in eukaryotic cells. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1992, 1129, 177-182.	2.4	19
47	Realâ€Time Oligonucleotide Hybridization Kinetics Monitored by Resonant Mirror Technique. IUBMB Life, 1999, 48, 317-320.	1.5	19
48	Quantitative surface-enhanced resonance Raman scattering of phthalocyanine-labelled oligonucleotides. Nucleic Acids Research, 2007, 35, e42-e42.	6.5	19
49	Pre-steady-state Kinetic and Structural Analysis of Interaction of Methionine Î³-Lyase from Citrobacter freundii with Inhibitors. Journal of Biological Chemistry, 2015, 290, 671-681.	1.6	19
50	Kinetics and Thermodynamics of DNA Processing by Wild Type DNA-Glycosylase Endo III and Its Catalytically Inactive Mutant Forms. Genes, 2018, 9, 190.	1.0	19
51	Substrate Recognition of Anthrax Lethal Factor Examined by Combinatorial and Pre-steady-state Kinetic Approaches. Journal of Biological Chemistry, 2009, 284, 17902-17913.	1.6	18
52	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.	1.8	18
53	Kinetic study of the addressed modification by hemin derivatives of oligonucleotides. Biochimie, 1993, 75, 5-11.	1.3	17
54	Conformational Dynamics of Damage Processing by Human DNA Glycosylase NEIL1. Journal of Molecular Biology, 2019, 431, 1098-1112.	2.0	17

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55	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.	1.7	17
56	Hydroxyl radical generation and DNA strand scission mediated by natural anticancer and synthetic quinones. FEBS Letters, 1989, 242, 397-400.	1.3	16
57	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, 307-319.	2.0	16
58	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.	1.1	16
59	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.	2.0	16
60	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.	1.2	16
61	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.	1.7	16
62	Real-Time Oligonucleotide Hybridization Kinetics Monitored by Resonant Mirror Technique. IUBMB Life, 1999, 48, 317-320.	1.5	15
63	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, 301-310.	2.0	15
64	PHOTOSENSITIZED AND CATALYTIC OXIDATION OF DNA BY METALLOPHTHALOCYANINE-OLIGONUCLEOTIDE CONJUGATES. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 1259-1262.	0.4	15
65	The impact of single-nucleotide polymorphisms of human apurinic/apyrimidinic endonuclease 1 on specific DNA binding and catalysis. Biochimie, 2019, 163, 73-83.	1.3	15
66	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.	1.3	14
67	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.	1.1	14
68	Thermodynamics of Damaged DNA Binding and Catalysis by Human AP Endonuclease 1. Acta Naturae, 2016, 8, 103-10.	1.7	14
69	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.	1.2	13
70	The formation of catalytically competent enzymeâ€“substrate complex is not a bottleneck in lesion excision by human alkyladenine DNA glycosylase. Journal of Biomolecular Structure and Dynamics, 2017, 35, 950-967.	2.0	13
71	Structural and Molecular Kinetic Features of Activities of DNA Polymerases. International Journal of Molecular Sciences, 2022, 23, 6373.	1.8	13
72	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.	2.9	12

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73	Lesion Recognition and Cleavage of Damage-Containing Quadruplexes and Bulged Structures by DNA Glycosylases. Frontiers in Cell and Developmental Biology, 2020, 8, 595687.	1.8	12
74	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, 7147.	1.8	12
75	The Role of Active-Site Plasticity in Damaged-Nucleotide Recognition by Human Apurinic/Apyrimidinic Endonuclease APE1. Molecules, 2020, 25, 3940.	1.7	11
76	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.	0.8	11
77	Application of tris(2,2â€²-bipyridyl)ruthenium(III) for the investigation of DNA spatial structure by a chemical modification method. Journal of Inorganic Biochemistry, 1988, 34, 149-155.	1.5	10
78	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.	1.3	10
79	Thermodynamics of the DNA Repair Process by Endonuclease VIII. Acta Naturae, 2019, 11, 29-37.	1.7	10
80	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.	1.7	10
81	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, 259-265.	2.0	9
82	Deprotonation of Transient Guanosyl Cation Radical Catalyzed by Buffer in Aqueous Solution: TR-CIDNP Study. Applied Magnetic Resonance, 2011, 41, 239-250.	0.6	9
83	Mechanism of Antisense Oligonucleotide Interaction with Natural RNAs. Journal of Biomolecular Structure and Dynamics, 2011, 29, 27-50.	2.0	9
84	New oligonucleotide derivatives as unreactive substrate analogues and potential inhibitors of human apurinic/apyrimidinic endonuclease APE1. Molecular BioSystems, 2016, 12, 67-75.	2.9	9
85	Structural Features of the Interaction between Human 8-Oxoguanine DNA Glycosylase hOGG1 and DNA. Acta Naturae, 2014, 6, 52-65.	1.7	9
86	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, 131-143.	0.4	8
87	Conjugates of Phthalocyanines with Oligonucleotides as Reagents for Sensitized or Catalytic DNA Modification. Bioinorganic Chemistry and Applications, 2006, 2006, 1-8.	1.8	8
88	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.	0.4	8
89	Kinetic mechanism of human apurinic/apyrimidinic endonuclease action in nucleotide incision repair. Biochemistry (Moscow), 2011, 76, 273-281.	0.7	8
90	Effect of Some Substituents Increasing the Solubility of Zn(II) and Al(III) Phthalocyanines on Their Photophysical Properties. Bioinorganic Chemistry and Applications, 2014, 2014, 1-7.	1.8	8

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91	A kinetic mechanism of repair of DNA containing Î±-anomeric deoxyadenosine by human apurinic/apyrimidinic endonuclease 1. Molecular BioSystems, 2016, 12, 3435-3446.	2.9	8
92	Thermodynamic analysis of fast stages of specific lesion recognition by DNA repair enzymes. Biochemistry (Moscow), 2016, 81, 1136-1152.	0.7	8
93	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.	0.3	8
94	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.	1.2	8
95	The Role of Natural Polymorphic Variants of DNA Polymerase Î² in DNA Repair. International Journal of Molecular Sciences, 2022, 23, 2390.	1.8	8
96	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.	0.6	7
97	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, 145-166.	2.0	7
98	Conformational dynamics and pre-steady-state kinetics of DNA glycosylases. Biochemistry (Moscow), 2010, 75, 1225-1239.	0.7	7
99	Apurinic/apyrimidinic endonuclease Apn1 from Saccharomyces cerevisiae is recruited to the nucleotide incision repair pathway: Kinetic and structural features. Biochimie, 2018, 152, 53-62.	1.3	7
100	A Single-Turnover Kinetic Study of DNA Demethylation Catalyzed by Fe(II)/Î±-Ketoglutarate-Dependent Dioxygenase AlkB. Molecules, 2019, 24, 4576.	1.7	7
101	Mutational and Kinetic Analysis of APE1 Endoribonuclease Activity. Molecular Biology, 2021, 55, 211-224.	0.4	7
102	Search for Modified DNA Sites with the Human Methyl-CpG-Binding Enzyme MBD4. Acta Naturae, 2017, 9, 88-98.	1.7	7
103	Cooperative Interactions of the Oligodeoxyribonucleotides on the Complementary Template. The Influence of Chemical Groups and Mismatched Nucleotides at the 5â€²- and 3â€²-ends of Oligonucleotides on the Parameters of Cooperativity. Journal of Biomolecular Structure and Dynamics, 1997, 15, 369-380.	2.0	6
104	Fluorescence Spectroscopic and¹⁹F NMR Studies of Human Thymidylate Synthase with its Cognate RNA. Journal of Biomolecular Structure and Dynamics, 2007, 25, 253-269.	2.0	6
105	Fe(II) phthalocyanine catalyzed oxidation of dGMP by molecular oxygen. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 4335-4338.	1.0	6
106	Effect of Complexation with Arabinogalactan on Pharmacokinetics of â€œGuestâ€•Drugs in Rats: For Example, Warfarin. BioMed Research International, 2013, 2013, 1-4.	0.9	6
107	Direct DNA Lesion Reversal and Excision Repair in Escherichia coli. EcoSal Plus, 2013, 5, .	2.1	6
108	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.	2.0	6

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109	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.	0.3	6
110	The Enigma of Substrate Recognition and Catalytic Efficiency of APE1-Like Enzymes. Frontiers in Cell and Developmental Biology, 2021, 9, 617161.	1.8	6
111	Common Kinetic Mechanism of Abasic Site Recognition by Structurally Different Apurinic/Apyrimidinic Endonucleases. International Journal of Molecular Sciences, 2021, 22, 8874.	1.8	6
112	DNA Demethylation in the Processes of Repair and Epigenetic Regulation Performed by 2-Ketoglutarate-Dependent DNA Dioxygenases. International Journal of Molecular Sciences, 2021, 22, 10540.	1.8	6
113	Pulsed Electron Double Resonance in Structural Studies of Spin-Labeled Nucleic Acids. Acta Naturae, 2013, 5, 9-32.	1.7	6
114	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, 287-289.	1.3	5
115	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.	0.3	5
116	BINDING OF A DESMETALLO-PORPHYRIN CONJUGATE OF HOECHST 33258 TO DNA. III. STRONG BINDING TO SINGLE-STRAND OLIGONUCLEOTIDES. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 157-168.	0.4	5
117	Thermodynamics of Interaction of Phthalocyanineâ€Oligonucleotide Conjugates with Singleâ€•and Doubleâ€Stranded DNA. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 983-987.	0.4	5
118	Kinetic Study of DNA Modification by Phthalocyanine Derivative of the Oligonucleotide. Bioinorganic Chemistry and Applications, 2006, 2006, 1-10.	1.8	5
119	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.	1.6	5
120	Insights into Mechanisms of Damage Recognition and Catalysis by APE1-like Enzymes. International Journal of Molecular Sciences, 2022, 23, 4361.	1.8	5
121	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.	0.6	4
122	On the generation of % MathType!MTEF!2!1!+- % feaagaart1ev2aaatCvAUfKttLearuqr1ngBPrgarmWu51MyVXgatC % vAUfeBSjuyZL2yd9gzLbvyNv2CaeHbd9wDYLwzYbItLDharyavP1wz % ZbItLDhis9wBH5garqqtubsr4rNCHbGeaGqiVu0Je9sqqrpepC0xbb % L8F4rqqrFfpeea0xe9Lq-Jc9vqaqpepm0xbba9pwe9Q8fs0-yqaqpe % pae9pg0FirpepeKkFr0xfr-xfr-xb9adbaqaaeGaciGaaiaabeqaam % aaeaqbaaGcbaacbaGaf83ta8Kbaiaadaqhaa	0.6	4
123	Interaction of puromycin with acceptor site of human placenta 80 S ribosomes. FEBS Letters, 1990, 277, 4-6.	1.3	4
124	Synthesis of New Oligonucleotide Derivatives with Porphyrins and Phthalocyanins. Nucleosides & Nucleotides, 1999, 18, 1515-1516.	0.5	4
125	Kinetic mechanism of the interaction of Saccharomyces cerevisiae AP-endonuclease 1 with DNA substrates. Biochemistry (Moscow), 2012, 77, 1162-1171.	0.7	4
126	Interaction features of adenine DNA glycosylase MutY from E. coli with DNA substrates. Russian Journal of Bioorganic Chemistry, 2017, 43, 13-22.	0.3	4

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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.	0.3	4
128	Conformational Dynamics of Dioxygenase AlkB and DNA in the Course of Catalytically Active Enzymeâ€“Substrate Complex Formation. Russian Journal of Bioorganic Chemistry, 2019, 45, 630-640.	0.3	4
129	An Assay for the Activity of Base Excision Repair Enzymes in Cellular Extracts Using Fluorescent DNA Probes. Biochemistry (Moscow), 2020, 85, 480-489.	0.7	4
130	Title is missing!. Molecular Biology, 2000, 34, 814-822.	0.4	3
131	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, 1297-1309.	1.1	3
132	Structural Features of the Interaction between Human 8-Oxoguanine DNA Glycosylase hOGG1 and DNA. Acta Naturae, 2014, 6, 52-65.	1.7	3
133	Thermodynamics of the DNA Repair Process by Endonuclease VIII. Acta Naturae, 2019, 11, 29-37.	1.7	3
134	Comparative Analysis of Exo- and Endonuclease Activities of APE1-like Enzymes. International Journal of Molecular Sciences, 2022, 23, 2869.	1.8	3
135	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.	0.0	2
136	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.	0.2	2
137	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, 515-526.	2.0	2
138	Reaction of 4-hydroxycoumarin with 2-acetyloxiranes. Russian Journal of Organic Chemistry, 2013, 49, 1497-1501.	0.3	2
139	Evolution of inhibitor-resistant natural mutant forms of HIV-1 protease probed by pre-steady state kinetic analysis. Biochimie, 2017, 142, 125-134.	1.3	2
140	The Role of Active-Site Residues Phe98, His239, and Arg243 in DNA Binding and in the Catalysis of Human Uracilâ€“DNA Glycosylase SMUG1. Molecules, 2019, 24, 3133.	1.7	2
141	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.	0.4	2
142	Initial stages of DNA Base Excision Repair in Nucleosomes. Molecular Biology, 2021, 55, 167-181.	0.4	2
143	Dimeric Fe-Co Phthalocyanine Complex as a Reagent for the Selective Damage of Nucleic Acids. Macroheterocycles, 2011, 4, 135-137.	0.9	2
144	Pulsed electron double resonance in structural studies of spin-labeled nucleic acids. Acta Naturae, 2013, 5, 9-32.	1.7	2

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145	The influence of oligonucleotide-effector on the selectivity of sequence specific modification of 16 S rRNA. FEBS Letters, 1990, 269, 26-28.	1.3	1
146	Quantitative parameters of cooperative interactions of oligonucleotides within tandem complexes. Russian Chemical Bulletin, 2003, 52, 2507-2516.	0.4	1
147	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, 239-243.	0.3	1
148	Comparative Analysis of the Activity of the Polymorphic Variants of Human Uracil-DNA-Glycosylases SMUG1 and MBD4. Molecular Biology, 2021, 55, 241-251.	0.4	1
149	Role of Arg243 and His239 Residues in the Recognition of Damaged Nucleotides by Human Uracil-DNA Glycosylase SMUG1. Biochemistry (Moscow), 2020, 85, 594-603.	0.7	1
150	Pre-steady-state kinetic and mutational insights into mechanisms of endo- and exonuclease DNA processing by mutant forms of human AP endonuclease. Biochimica Et Biophysica Acta - General Subjects, 2022, 1866, 130198.	1.1	1
151	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.	0.0	0
152	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.	0.6	0
153	Kinetic Approach for Determination of Affinity Properties of Reactive Oligonucleotide Derivatives to Complementary Regions in Nucleic Acids. Nucleosides & Nucleotides, 1997, 16, 1807-1808.	0.5	0
154	Quantitative Parametrs of Cooperative Interactions of the Oligodeoxyribonucleotides on the Complementary Template. Nucleosides & Nucleotides, 1998, 17, 1705-1708.	0.5	0
155	Effect of DNA and bivalent metal ions on the interaction of thermostable DNA polymerase Tte with dNTPs. Russian Chemical Bulletin, 2005, 54, 1306-1310.	0.4	0
156	Data on PAGE analysis and MD simulation for the interaction of endonuclease Apn1 from Saccharomyces cerevisiae with DNA substrates containing 5,6-dihydrouracyl and 2-aminopurine. Data in Brief, 2018, 20, 1515-1524.	0.5	0
157	Kinetic Basis of the Bifunctionality of SsoII DNA Methyltransferase. Molecules, 2018, 23, 1192.	1.7	0
158	Kinetic Analysis of the Interaction of Nicking Endonuclease BspD6I with DNA. Biomolecules, 2021, 11, 1420.	1.8	0