

Edward N Timofeev

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Anticoagulant Oligonucleotide–Peptide Conjugates: Identification of Thrombin Aptamer Conjugates with Improved Characteristics. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3820.	1.8	3
2	Derivatization of a rigid meso-substituted heptamethine cyanine dye. <i>Mendeleev Communications</i> , 2021, 31, 70-72.	0.6	4
3	Mononucleotide repeat expansions with non-natural polymerase substrates. <i>Scientific Reports</i> , 2021, 11, 2423.	1.6	4
4	Expanding the recognition interface of the thrombin-binding aptamer HD1 through modification of residues T3 and T12. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 23, 863-871.	2.3	15
5	Recognition Interface of the Thrombin Binding Aptamer Requires Antiparallel Topology of the Quadruplex Core. <i>Biomolecules</i> , 2021, 11, 1332.	1.8	3
6	Folding topology, structural polymorphism, and dimerization of intramolecular DNA G-quadruplexes with inverted polarity strands and non-natural loops. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 1972-1981.	3.6	1
7	Slippage of the Primer Strand in the Primer Extension Reaction with Modified 2'-Deoxyuridine Triphosphates. <i>Russian Journal of Bioorganic Chemistry</i> , 2020, 46, 312-314.	0.3	2
8	Emulsion PCR Amplification of DNA Libraries with Degenerate Central Regions for Aptamer Selection. <i>Russian Journal of Bioorganic Chemistry</i> , 2020, 46, 264-268.	0.3	0
9	Novel 5-Alkylcarboxamide-2'-Deoxyuridine-5'-Triphosphates for Enzymatic Synthesis of Highly Modified DNA. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 221-223.	0.3	3
10	Fluorescent Labeling of Oligonucleotide Probes for Double Indicator Microarray Hybridization Analysis. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 217-220.	0.3	1
11	Probing the Nitroindole-Modified Central Loop of Thrombin Aptamer HD1 as a Recognition Site. <i>Nucleic Acid Therapeutics</i> , 2019, 29, 208-217.	2.0	4
12	Preparation of Modified Combinatorial DNA Libraries via Emulsion PCR with Subsequent Strand Separation. <i>Molecular Biology</i> , 2018, 52, 854-864.	0.4	11
13	Factors Affecting the Tailing of Blunt End DNA with Fluorescent Pyrimidine dNTPs. <i>Molecular Biotechnology</i> , 2018, 60, 879-886.	1.3	1
14	Hydrogel microarray for detection of polymorphisms in the UGT1A1, DPYD, GSTP1 and ABCB1 genes. <i>Cancer Biomarkers</i> , 2017, 18, 265-272.	0.8	1
15	Mass-spectrometry analysis of modifications at DNA termini induced by DNA polymerases. <i>Scientific Reports</i> , 2017, 7, 6674.	1.6	5
16	Structural and functional analysis of biopolymers and their complexes: Enzymatic synthesis of high-modified DNA. <i>Molecular Biology</i> , 2017, 51, 474-482.	0.4	11
17	The Toolbox for Modified Aptamers. <i>Molecular Biotechnology</i> , 2016, 58, 79-92.	1.3	68
18	A Universal Base in a Specific Role: Tuning up a Thrombin Aptamer with 5-Nitroindole. <i>Scientific Reports</i> , 2015, 5, .	1.6	22

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19	Bridge DNA amplification of cancer-associated genes on cross-linked agarose microbeads. <i>Mikrochimica Acta</i> , 2015, 182, 557-563.	2.5	2
20	Comparison of the "Chemical"™ and "Structural"™ Approaches to the Optimization of the Thrombin-Binding Aptamer. <i>PLoS ONE</i> , 2014, 9, e89383.	1.1	29
21	Anomeric DNA quadruplexes. <i>Artificial DNA, PNA & XNA</i> , 2014, 5, e28422.	1.4	13
22	Synthesis, characterization and in vitro activity of thrombin-binding DNA aptamers with triazole internucleotide linkages. <i>European Journal of Medicinal Chemistry</i> , 2013, 67, 90-97.	2.6	47
23	Near-infrared heptamethine cyanine dyes. Synthesis, spectroscopic characterization, thermal properties and photostability. <i>Dyes and Pigments</i> , 2013, 97, 353-360.	2.0	31
24	Targeting duplex DNA with chimeric $\hat{1}\pm, \hat{1}^2$ -triplex-forming oligonucleotides. <i>Nucleic Acids Research</i> , 2012, 40, 8175-8185.	6.5	20
25	Amino-Functionalized Oligonucleotides with Peptide Internucleotide Linkages. <i>Letters in Organic Chemistry</i> , 2012, 9, 106-113.	0.2	0
26	Simple and Stereoselective Preparation of an 4-(Aminomethyl)-1,2,3-triazolyl Nucleoside Phosphoramidite. <i>Chemistry and Biodiversity</i> , 2011, 8, 568-576.	1.0	11
27	Oligonucleotide Analogs with Peptide Internucleotide Linkages. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2011, 30, 31-48.	0.4	5
28	New Indocyanine Derivatives for the Synthesis of Fluorescently Labeled Oligonucleotides. <i>Letters in Organic Chemistry</i> , 2009, 6, 71-76.	0.2	4
29	Oligodeoxynucleotides Containing N^1 -Methyl-2-Deoxyadenosine and N^6 -Methyl-2-Deoxyadenosine. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2009, 38, 0.5 Unit 4.36 1-19.		1
30	Oligodeoxynucleotides Containing 2-Deoxy-1-methyladenosine and Dimroth Rearrangement. <i>Helvetica Chimica Acta</i> , 2007, 90, 928-937.	1.0	9
31	Recognition of Base Pair Inversions in Duplex by Chimeric ($\hat{1}\pm, \hat{1}^2$) Triplex-Forming Oligonucleotides. <i>Journal of Biomolecular Structure and Dynamics</i> , 2006, 24, 183-188.	2.0	4
32	Conformational Changes Induced in the Human Protein Translin and in the Single-stranded Oligodeoxynucleotides $d(GT)_{12}$ and $d(TTAGGG)_5$ Upon Binding of These Oligodeoxynucleotides by Translin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2005, 23, 257-265.	2.0	6
33	Binding of Nonnatural \hat{A}, \hat{A} -Oligocytidylates with DNA Duplexes. <i>Molecular Biology</i> , 2004, 38, 459-464.	0.4	1
34	Title is missing!. <i>Molecular Biology</i> , 2002, 36, 124-130.	0.4	2
35	Oligodeoxynucleotides with extended zwitter-ionic internucleotide linkage. <i>Tetrahedron</i> , 2001, 57, 10287-10292.	1.0	7
36	Protein-free parallel triple-stranded DNA complex formation. <i>Nucleic Acids Research</i> , 2001, 29, 986-995.	6.5	28

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37	Binding specificity and stability of duplexes formed by modified oligonucleotides with a 4096-hexanucleotide microarray. <i>Nucleic Acids Research</i> , 2001, 29, 2626-2634.	6.5	20
38	DNA sequence analysis by hybridization with oligonucleotide microchips: MALDI mass spectrometry identification of 5mers contiguously stacked to microchip oligonucleotides. <i>Nucleic Acids Research</i> , 2000, 28, 1193-1198.	6.5	29
39	Advanced method for oligonucleotide deprotection. <i>Nucleic Acids Research</i> , 2000, 28, 29e-0.	6.5	15
40	Structural Polymorphism of Oligo(dC) with Mixed $\hat{1}\pm, \hat{1}^2$ -Anomeric Backbone. <i>Journal of Biomolecular Structure and Dynamics</i> , 2000, 17, 655-664.	2.0	5
41	Fabrication of Microarray of Gel-Immobilized Compounds on a Chip by Copolymerization. <i>BioTechniques</i> , 1999, 27, 592-606.	0.8	82
42	Intercalating Insert into Internucleotide Linkages as Way for Stabilization and Detection of of Short DNA Duplexes. <i>Nucleosides & Nucleotides</i> , 1999, 18, 1495-1496.	0.5	0
43	Immobilization of DNA in Polyacrylamide Gel for the Manufacture of DNA and DNA \hat{c} “Oligonucleotide Microchips. <i>Analytical Biochemistry</i> , 1998, 259, 34-41.	1.1	173
44	Methidium intercalator inserted into synthetic oligonucleotides. <i>Tetrahedron Letters</i> , 1996, 37, 8467-8470.	0.7	6
45	Partial Thermodynamic Parameters for Prediction Stability and Washing Behavior of DNA Duplexes Immobilized on Gel Matrix. <i>Journal of Biomolecular Structure and Dynamics</i> , 1996, 14, 239-244.	2.0	6
46	DNA sequencing by hybridization to microchip octa-and decanucleotides extended by stacked pentanucleotides. <i>Nucleic Acids Research</i> , 1996, 24, 2998-3004.	6.5	87
47	Regioselective immobilization of short oligonucleotides to acrylic copolymer gels. <i>Nucleic Acids Research</i> , 1996, 24, 3142-3148.	6.5	91
48	Stabilization of Parallel (Recombinant) Triplex With Propidium Iodide. <i>Journal of Biomolecular Structure and Dynamics</i> , 1995, 13, 15-27.	2.0	7
49	Parallel purine-pyrimidine-purine triplex: experimental evidence for existence. <i>FEBS Letters</i> , 1995, 367, 81-84.	1.3	14
50	The R-form of DNA does exist. <i>FEBS Letters</i> , 1994, 339, 113-118.	1.3	32
51	Three-Stranded Clip of the Oligonucleotide 5 \hat{a} \hat{c} 2-(dT)10pO(CH2CH2O)3p(dT)10pO(CH2CH2O)3p(dA)10-3 \hat{a} \hat{c} 2. <i>Antisense Research and Development</i> , 1994, 4, 27-33.	3.3	3
52	Evidence for the tetraplex structure of the d(GT)nrepetitive sequences in solution. <i>FEBS Letters</i> , 1992, 306, 140-142.	1.3	16