

Sergey Lapa

List of Publications by Year in descending order

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34
times ranked

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#	ARTICLE	IF	CITATIONS
1	Identification of Rifampin-Resistant Mycobacterium tuberculosis Strains by Hybridization, PCR, and Ligase Detection Reaction on Oligonucleotide Microchips. <i>Journal of Clinical Microbiology</i> , 2001, 39, 2531-2540.	1.8	121
2	Evaluation of hybridisation on oligonucleotide microarrays for analysis of drug-resistant Mycobacterium tuberculosis. <i>Clinical Microbiology and Infection</i> , 2005, 11, 531-539.	2.8	77
3	Species-Level Identification of Orthopoxviruses with an Oligonucleotide Microchip. <i>Journal of Clinical Microbiology</i> , 2002, 40, 753-757.	1.8	72
4	The Toolbox for Modified Aptamers. <i>Molecular Biotechnology</i> , 2016, 58, 79-92.	1.3	68
5	Detection of mutations in Mycobacterium tuberculosis genome determining resistance to fluoroquinolones by hybridization on biological microchips. <i>Bulletin of Experimental Biology and Medicine</i> , 2008, 145, 108-113.	0.3	32
6	Discrimination Between Perfect and Mismatched Duplexes with Oligonucleotide Gel Microchips: Role of Thermodynamic and Kinetic Effects During Hybridization. <i>Journal of Biomolecular Structure and Dynamics</i> , 2005, 22, 725-734.	2.0	29
7	Spoligotyping of Mycobacterium tuberculosis complex isolates using hydrogel oligonucleotide microarrays. <i>Infection, Genetics and Evolution</i> , 2014, 26, 41-46.	1.0	21
8	Comparative Study of Novel Fluorescent Cyanine Nucleotides: Hybridization Analysis of Labeled PCR Products Using a Biochip. <i>Journal of Fluorescence</i> , 2017, 27, 2001-2016.	1.3	14
9	Detection of rifampicin-resistant Mycobacterium tuberculosis strains by hybridization and polymerase chain reaction on a specialized TB-microchip. <i>Bulletin of Experimental Biology and Medicine</i> , 2001, 131, 94-98.	0.3	11
10	Synthetic route to novel zwitterionic pentamethine indocyanine fluorophores with various substitutions. <i>Dyes and Pigments</i> , 2017, 147, 199-210.	2.0	10
11	Deoxyuridine triphosphates modified with tyrosine or tryptophan aromatic groups for direct electrochemical detection of double-stranded DNA. <i>Electrochimica Acta</i> , 2020, 362, 137105.	2.6	10
12	Multiplex PCR for Identification of Bacterial Pathogens of Infectious Pneumonia. <i>Russian Journal of Bioorganic Chemistry</i> , 2020, 46, 859-861.	0.3	9
13	Deoxyuridine triphosphates modified with tyrosine aromatic groups for direct electrochemical detection of double-stranded DNA products of isothermal recombinase polymerase amplification. <i>Electrochemistry Communications</i> , 2021, 131, 107120.	2.3	6
14	Detection of Bacillus anthracis using multiplex PCR on the oligonucleotide biochip. <i>Doklady Biochemistry and Biophysics</i> , 2001, 381, 384-386.	0.3	5
15	Cyanine-dye-modified 2'-deoxyuridine-5'-triphosphates: Synthesis, applications, and linker effect on substrate properties for Taq DNA polymerase. <i>Russian Journal of Bioorganic Chemistry</i> , 2017, 43, 471-475.	0.3	5
16	Amplification Efficiency and Substrate Properties of Fluorescently Labeled Deoxyuridine Triphosphates in PCR in the Presence of DNA Polymerases without 3'-5' Exonuclease Activity. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 263-272.	0.3	5
17	The Use of Thermal Dissociation for Selection of DNA Aptamers. <i>Russian Journal of Bioorganic Chemistry</i> , 2020, 46, 551-556.	0.3	5
18	Synthesis and characterization of novel zwitterionic heptamethine indocyanine fluorophores. <i>Mendeleev Communications</i> , 2017, 27, 360-362.	0.6	4

#	ARTICLE	IF	CITATIONS
19	A Simultaneous Use of Cy5-Modified Derivatives of Deoxyuridine and Deoxycytidine in PCR. Russian Journal of Bioorganic Chemistry, 2020, 46, 557-562.	0.3	4
20	Simultaneous Incorporation of Modified dU and dC Derivatives in the Growing DNA Chain Using PEX and PCR. Russian Journal of Bioorganic Chemistry, 2020, 46, 856-858.	0.3	4
21	Derivatization of a rigid meso-substituted heptamethine cyanine dye. Mendeleev Communications, 2021, 31, 70-72.	0.6	4
22	Novel 5-Alkylcarboxamide-2'-Deoxyuridine-5'-Triphosphates for Enzymatic Synthesis of Highly Modified DNA. Russian Journal of Bioorganic Chemistry, 2019, 45, 221-223.	0.3	3
23	Slippage of the Primer Strand in the Primer Extension Reaction with Modified 2'-Deoxyuridine Triphosphates. Russian Journal of Bioorganic Chemistry, 2020, 46, 312-314.	0.3	2
24	Study of the multiple incorporation of modified nucleotides into the growing DNA strand. Fine Chemical Technologies, 2021, 16, 148-155.	0.1	2
25	Specificities of multi-primer polymerase chain reaction optimization for the detection of infectious pneumonia agents in human. Fine Chemical Technologies, 2021, 16, 225-231.	0.1	2
26	Typing of Mycobacterium tuberculosis Strains Resistant to Rifampicin and Isoniazid by Molecular Biological Methods. Bulletin of Experimental Biology and Medicine, 2003, 136, 273-275.	0.3	1
27	New Synthetic Route to CY5-Labeled 2'-Deoxycytidine- 5'-Triphosphates Using Sonogashira Reaction. Russian Journal of Bioorganic Chemistry, 2018, 44, 252-255.	0.3	1
28	Factors Affecting the Tailing of Blunt End DNA with Fluorescent Pyrimidine dNTPs. Molecular Biotechnology, 2018, 60, 879-886.	1.3	1
29	Fluorescent Labeling of Oligonucleotide Probes for Double Indicator Microarray Hybridization Analysis. Russian Journal of Bioorganic Chemistry, 2019, 45, 217-220.	0.3	1
30	Multiplex on-Chip PCR with Direct Detection of Immobilized Primer Elongation. Russian Journal of Bioorganic Chemistry, 2021, 47, 1122-1125.	0.3	1
31	Emulsion PCR Amplification of DNA Libraries with Degenerate Central Regions for Aptamer Selection. Russian Journal of Bioorganic Chemistry, 2020, 46, 264-268.	0.3	0