

Ravil R Garafutdinov

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

135
citations

1307594

7
h-index

1281871

11
g-index

22
all docs

22
docs citations

22
times ranked

71
citing authors

#	ARTICLE	IF	CITATIONS
1	Convective polymerase chain reaction in standard microtubes. <i>Analytical Biochemistry</i> , 2022, 641, 114565.	2.4	2
2	Encoding of non-biological information for its long-term storage in DNA. <i>BioSystems</i> , 2022, 215-216, 104664.	2.0	3
3	Inhibition of nonspecific polymerase activity using Poly(Aspartic) acid as a model anionic polyelectrolyte. <i>Analytical Biochemistry</i> , 2021, 628, 114267.	2.4	7
4	The Influence of Reaction Conditions on DNA Multimerization During Isothermal Amplification with Bst exo ⁺ DNA Polymerase. <i>Applied Biochemistry and Biotechnology</i> , 2020, 190, 758-771.	2.9	21
5	Prevention of DNA multimerization using phosphoryl guanidine primers during isothermal amplification with Bst exo ⁻ DNA polymerase. <i>Biochimie</i> , 2020, 168, 259-267.	2.6	21
6	A new digital approach to SNP encoding for DNA identification. <i>Forensic Science International</i> , 2020, 317, 110520.	2.2	4
7	Enhancement of PCR efficiency using mono- and disaccharides. <i>Analytical Biochemistry</i> , 2020, 606, 113858.	2.4	6
8	Effect of metal ions on isothermal amplification with Bst exo ⁻ DNA polymerase. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 1447-1455.	7.5	9
9	The influence of quality of primers on the formation of primer dimers in PCR. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2020, 39, 1251-1269.	1.1	9
10	Data on molecular docking simulations of quaternary complexes 'Bst exo ⁻ polymerase-DNA-dCTP-metal cations'. <i>Data in Brief</i> , 2020, 33, 106549.	1.0	1
11	Data on multimerization efficiency for short linear DNA templates and phosphoryl guanidine primers during isothermal amplification with Bst exo ⁻ DNA polymerase. <i>Data in Brief</i> , 2020, 29, 105188.	1.0	1
12	The SPM study of oligonucleotides consisting of repeated nucleotide sequences. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 699, 012045.	0.6	0
13	The influence of CpG (5'-d(CpG)-3' dinucleotides) methylation on ultrasonic DNA fragmentation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3877-3886.	3.5	4
14	Polymerase chain reaction with nearby primers. <i>Analytical Biochemistry</i> , 2017, 518, 126-133.	2.4	9
15	Synthesis of circular DNA templates with T4 RNA ligase for rolling circle amplification. <i>Molecular Biology</i> , 2017, 51, 639-646.	1.3	10
16	PCR-based evaluation of sequence specificity of DNA fragmentation by ultrasound. <i>Molecular Biology</i> , 2016, 50, 236-241.	1.3	5
17	DNA amplification using PCR with abutting primers. <i>Molecular Biology</i> , 2015, 49, 560-568.	1.3	4
18	Gas chromatographic investigation of the properties of a styrene-divinylbenzene copolymer modified by 5-hydroxy-6-methyluracil. <i>Russian Journal of Physical Chemistry A</i> , 2012, 86, 475-478.	0.6	11