

# Ravil R Garafutdinov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1958497/publications.pdf>

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  | The Influence of Reaction Conditions on DNA Multimerization During Isothermal Amplification with Bst exo <sup>+</sup> DNA Polymerase. <i>Applied Biochemistry and Biotechnology</i> , 2020, 190, 758-771.             | 2.9 | 21        |
| 2  | Prevention of DNA multimerization using phosphoryl guanidine primers during isothermal amplification with Bst exo <sup>-</sup> DNA polymerase. <i>Biochimie</i> , 2020, 168, 259-267.                                 | 2.6 | 21        |
| 3  | 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        |
| 4  | Synthesis of circular DNA templates with T4 RNA ligase for rolling circle amplification. <i>Molecular Biology</i> , 2017, 51, 639-646.  | 1.3 | 10        |
| 5  | Polymerase chain reaction with nearby primers. <i>Analytical Biochemistry</i> , 2017, 518, 126-133.   | 2.4 | 9         |
| 6  | Effect of metal ions on isothermal amplification with Bst exo <sup>-</sup> DNA polymerase. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 1447-1455.  | 7.5 | 9         |
| 7  | 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         |
| 8  | Inhibition of nonspecific polymerase activity using Poly(Aspartic) acid as a model anionic polyelectrolyte. <i>Analytical Biochemistry</i> , 2021, 628, 114267.   | 2.4 | 7         |
| 9  | Enhancement of PCR efficiency using mono- and disaccharides. <i>Analytical Biochemistry</i> , 2020, 606, 113858.  | 2.4 | 6         |
| 10 | PCR-based evaluation of sequence specificity of DNA fragmentation by ultrasound. <i>Molecular Biology</i> , 2016, 50, 236-241.  | 1.3 | 5         |
| 11 | DNA amplification using PCR with abutting primers. <i>Molecular Biology</i> , 2015, 49, 560-568.  | 1.3 | 4         |
| 12 | The influence of CpG (5 <sup>′</sup> -d(CpG)-3 <sup>′</sup> dinucleotides) methylation on ultrasonic DNA fragmentation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3877-3886.                  | 3.5 | 4         |
| 13 | A new digital approach to SNP encoding for DNA identification. <i>Forensic Science International</i> , 2020, 317, 110520.   | 2.2 | 4         |
| 14 | Encoding of non-biological information for its long-term storage in DNA. <i>BioSystems</i> , 2022, 215-216, 104664.   | 2.0 | 3         |
| 15 | Convective polymerase chain reaction in standard microtubes. <i>Analytical Biochemistry</i> , 2022, 641, 114565.  | 2.4 | 2         |
| 16 | Data on molecular docking simulations of quaternary complexes 'Bst exo <sup>-</sup> polymerase-DNA-dCTP-metal cations'. <i>Data in Brief</i> , 2020, 33, 106549.  | 1.0 | 1         |
| 17 | Data on multimerization efficiency for short linear DNA templates and phosphoryl guanidine primers during isothermal amplification with Bst exo <sup>-</sup> DNA polymerase. <i>Data in Brief</i> , 2020, 29, 105188. | 1.0 | 1         |
| 18 | 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         |