

# Alena V Makarova

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5512912/publications.pdf>

Version: 2024-02-01

24  
papers

685  
citations

623734

14  
h-index

677142

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

803  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Stalling of Eukaryotic Translesion DNA Polymerases at DNA-Protein Cross-Links. <i>Genes</i> , 2022, 13, 166.  | 2.4  | 6         |
| 2  | DNA Polymerase and dRP-lyase activities of polymorphic variants of human Pol $\eta$ . <i>Biochemical Journal</i> , 2021, 478, 1399-1412.  | 3.7  | 1         |
| 3  | Translesion activity of PrimPol on DNA with cisplatin and DNA-protein cross-links. <i>Scientific Reports</i> , 2021, 11, 17588.   | 3.3  | 14        |
| 4  | In a search of a protective titer: Do we or do we not need to know?. <i>Clinical and Translational Medicine</i> , 2021, 11, e668.   | 4.0  | 0         |
| 5  | Strand Displacement Activity of PrimPol. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9027.   | 4.1  | 6         |
| 6  | A Multifunctional Protein PolDIP2 in DNA Translesion Synthesis. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1241, 35-45.   | 1.6  | 7         |
| 7  | Reading and Misreading 8-oxoguanine, a Paradigmatic Ambiguous Nucleobase. <i>Crystals</i> , 2019, 9, 269.   | 2.2  | 28        |
| 8  | In vitro lesion bypass by human PrimPol. <i>DNA Repair</i> , 2018, 70, 18-24.   | 2.8  | 26        |
| 9  | The active site residues Gln55 and Arg73 play a key role in DNA damage bypass by <i>S. cerevisiae</i> Pol $\eta$ . <i>Scientific Reports</i> , 2018, 8, 10314.                            | 3.3  | 5         |
| 10 | Alternative splicing at exon 2 results in the loss of the catalytic activity of mouse DNA polymerase iota in vitro. <i>DNA Repair</i> , 2017, 50, 77-82.                                  | 2.8  | 9         |
| 11 | DNA Damage Tolerance by Eukaryotic DNA Polymerase and Primase PrimPol. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1584.   | 4.1  | 16        |
| 12 | Optimization of the expression, purification and polymerase activity reaction conditions of recombinant human PrimPol. <i>PLoS ONE</i> , 2017, 12, e0184489.                              | 2.5  | 14        |
| 13 | Identification of amino acid residues involved in the dRP-lyase activity of human Pol $\eta$ . <i>Scientific Reports</i> , 2017, 7, 10194.  | 3.3  | 8         |
| 14 | Yeast DNA polymerase $\eta$ maintains consistent activity and mutagenicity across a wide range of physiological dNTP concentrations. <i>Nucleic Acids Research</i> , 2017, 45, 1200-1218. | 14.5 | 18        |
| 15 | Oxidative DNA damage stalls the human mitochondrial replisome. <i>Scientific Reports</i> , 2016, 6, 28942.  | 3.3  | 59        |
| 16 | The Dimeric Architecture of Checkpoint Kinases Mec1ATR and Tel1ATM Reveal a Common Structural Organization. <i>Journal of Biological Chemistry</i> , 2016, 291, 13436-13447.              | 3.4  | 35        |
| 17 | Eukaryotic DNA polymerase $\eta$ . <i>DNA Repair</i> , 2015, 29, 47-55.   | 2.8  | 118       |
| 18 | Error-prone Replication Bypass of the Primary Aflatoxin B1 DNA Adduct, AFB1-N7-Gua. <i>Journal of Biological Chemistry</i> , 2014, 289, 18497-18506.                                      | 3.4  | 44        |

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|----|--|------|-----------|
| 19 | Ribonucleotide incorporation by yeast DNA polymerase $\epsilon$ . DNA Repair, 2014, 18, 63-67.   | 2.8  | 20        |
| 20 | Molecular basis of aflatoxin-induced mutagenesis—role of the aflatoxin B1-formamidopyrimidine adduct. Carcinogenesis, 2014, 35, 1461-1468.   | 2.8  | 47        |
| 21 | Roles of the active site residues and metal cofactors in noncanonical base-pairing during catalysis by human DNA polymerase $\iota$ . DNA Repair, 2014, 22, 67-76.                       | 2.8  | 15        |
| 22 | A four-subunit DNA polymerase $\epsilon$ complex containing Pol $\epsilon$ accessory subunits is essential for PCNA-mediated mutagenesis. Nucleic Acids Research, 2012, 40, 11618-11626. | 14.5 | 164       |
| 23 | Inaccurate DNA Synthesis in Cell Extracts of Yeast Producing Active Human DNA Polymerase $\iota$ . PLoS ONE, 2011, 6, e16612.  | 2.5  | 25        |
| 24 | Noncanonical prokaryotic X family DNA polymerases lack polymerase activity and act as exonucleases. Nucleic Acids Research, 0, , .   | 14.5 | 0         |