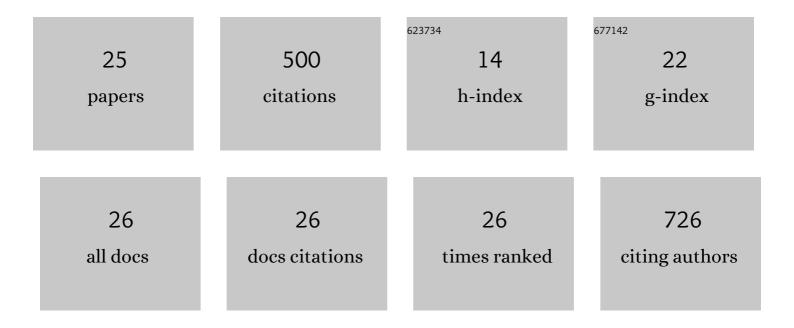
Aya Kurosawa

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | NK314, a Topoisomerase II Inhibitor That Specifically Targets the α Isoform. Journal of Biological Chemistry, 2008, 283, 23711-23720. | 3.4 | 88 |
| 2 | Impact of non-homologous end-joining deficiency on random and targeted DNA integration: implications for gene targeting. Nucleic Acids Research, 2008, 36, 6333-6342. | 14.5 | 53 |
| 3 | Artemis C-terminal region facilitates V(D)J recombination through its interactions with DNA Ligase IV and DNA-PKcs. Journal of Experimental Medicine, 2012, 209, 955-963. | 8.5 | 51 |
| 4 | The Requirement of Artemis in Double-Strand Break Repair Depends on the Type of DNA Damage. DNA and Cell Biology, 2008, 27, 55-61. | 1.9 | 36 |
| 5 | Functions and Regulation of Artemis: A Goddess in the Maintenance of Genome Integrity. Journal of Radiation Research, 2010, 51, 503-509. | 1.6 | 31 |
| 6 | Both CpG Methylation and Activation-Induced Deaminase Are Required for the Fragility of the Human <i>bcl-2</i> Major Breakpoint Region: Implications for the Timing of the Breaks in the t(14;18) Translocation. Molecular and Cellular Biology, 2013, 33, 947-957. | 2.3 | 26 |
| 7 | Identification and molecular docking studies for novel inverse agonists of SREB, super conserved receptor expressed in brain. Genes To Cells, 2016, 21, 717-727. | 1.2 | 26 |
| 8 | GPR31 and GPR151 are activated under acidic conditions. Journal of Biochemistry, 2019, 166, 317-322. | 1.7 | 22 |
| 9 | DNA Ligase IV and Artemis Act Cooperatively to Suppress Homologous Recombination in Human Cells: Implications for DNA Double-Strand Break Repair. PLoS ONE, 2013, 8, e72253. | 2.5 | 20 |
| 10 | Analysis of the Role of Homology Arms in Gene-Targeting Vectors in Human Cells. PLoS ONE, 2014, 9, e108236. | 2.5 | 20 |
| 11 | Highly Proficient Gene Targeting by Homologous Recombination in the Human Pre-B Cell Line Nalm-6. Methods in Molecular Biology, 2008, 435, 17-29. | 0.9 | 20 |
| 12 | Interference in DNA Replication Can Cause Mitotic Chromosomal Breakage Unassociated with Double-Strand Breaks. PLoS ONE, 2013, 8, e60043. | 2.5 | 18 |
| 13 | Role for Artemis nuclease in the repair of radiation-induced DNA double strand breaks by alternative end joining. DNA Repair, 2015, 31, 29-40. | 2.8 | 18 |
| 14 | Overexpression of HAM1 gene detoxifies 5-bromodeoxyuridine in the yeast Saccharomyces cerevisiae. Current Genetics, 2007, 52, 203-211. | 1.7 | 15 |
| 15 | Mutations in XRCC4 cause primordial dwarfism without causing immunodeficiency. Journal of Human Genetics, 2016, 61, 679-685. | 2.3 | 11 |
| 16 | In vivo and in vitro evaluation of novel μ-opioid receptor agonist compounds. European Journal of Pharmacology, 2015, 767, 193-200. | 3.5 | 9 |
| 17 | Human neutrophils isolated from peripheral blood contain Ku protein but not DNA-dependent protein kinase. International Journal of Biochemistry and Cell Biology, 2003, 35, 86-94. | 2.8 | 7 |
| 18 | Nucleofection-based gene targeting in human pre-B cells. Gene, 2012, 492, 305-308. | 2.2 | 7 |

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|----|---|-----|-----------|
| 19 | Topoisomerase IIα inhibition following DNA transfection greatly enhances random integration in a human pre-B lymphocyte cell line. Biochemical and Biophysical Research Communications, 2009, 382, 492-496. | 2.1 | 6 |
| 20 | A novel partial agonist of GPBA reduces blood glucose level in a murine glucose tolerance test. European Journal of Pharmacology, 2017, 814, 130-137. | 3.5 | 4 |
| 21 | Heterozygous Disruption of the DNA Topoisomerase I Gene Confers Cellular Resistance to Camptothecin in Human Cells. Biological and Pharmaceutical Bulletin, 2009, 32, 724-727. | 1.4 | 3 |
| 22 | Complex genetic interactions between DNA polymerase \hat{I}^2 and the NHEJ ligase. FEBS Journal, 2020, 287, 377-385. | 4.7 | 3 |
| 23 | Autophosphorylation and Self-Activation of DNA-Dependent Protein Kinase. Genes, 2021, 12, 1091. | 2.4 | 3 |
| 24 | Mechanistic basis for increased human gene targeting by promoterless vectors—roles of homology arms and Rad54 paralogs. FEBS Journal, 2017, 284, 2748-2763. | 4.7 | 2 |
| 25 | Cell sorting analysis of cell cycle-dependent X-ray sensitivity in end joining-deficient human cells. Biochemical and Biophysical Research Communications, 2008, 372, 662-667. | 2.1 | 1 |