Aya Kurosawa

List of Publications by Year
in descending order

25	500	623734 14	677142 22
papers	citations	h-index	g-index

26	26	26	726
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	NK314, a Topoisomerase II Inhibitor That Specifically Targets the Î± 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 bcl-2 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 Î¼-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

#	Article	IF	Citations
19	Topoisomerase IIÎ± 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 Î² 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 vectorsâ€"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