

# Hiroshi Arakawa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6273222/publications.pdf>

Version: 2024-02-01

22  
papers

1,281  
citations

623734

14  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1335  
citing authors

#	ARTICLE	IF	CITATIONS
1	Requirement of the Activation-Induced Deaminase (AID) Gene for Immunoglobulin Gene Conversion. <i>Science</i> , 2002, 295, 1301-1306.	12.6	433
2	Mutant loxP vectors for selectable marker recycle and conditional knock-outs. <i>BMC Biotechnology</i> , 2001, 1, 7.	3.3	168
3	Activation-Induced Cytidine Deaminase Initiates Immunoglobulin Gene Conversion and Hypermutation by a Common Intermediate. <i>PLoS Biology</i> , 2004, 2, e179.	5.6	113
4	Immunoglobulin gene conversion: Insights from bursal B cells and the DT40 cell line. <i>Developmental Dynamics</i> , 2004, 229, 458-464.	1.8	103
5	Uracil DNA Glycosylase Disruption Blocks Ig Gene Conversion and Induces Transition Mutations. <i>Journal of Immunology</i> , 2006, 176, 365-371.	0.8	78
6	DNA Ligases I and III Cooperate in Alternative Non-Homologous End-Joining in Vertebrates. <i>PLoS ONE</i> , 2013, 8, e59505.	2.5	66
7	Functional redundancy between DNA ligases I and III in DNA replication in vertebrate cells. <i>Nucleic Acids Research</i> , 2012, 40, 2599-2610.	14.5	57
8	Targeting Of Somatic Hypermutation By immunoglobulin Enhancer And Enhancer-Like Sequences. <i>PLoS Biology</i> , 2014, 12, e1001831.	5.6	51
9	Protein evolution by hypermutation and selection in the B cell line DT40. <i>Nucleic Acids Research</i> , 2007, 36, e1-e1.	14.5	41
10	ESCO1/2's roles in chromosome structure and interphase chromatin organization. <i>Genes and Development</i> , 2017, 31, 2136-2150.	5.9	32
11	Effect of Environmental Antigens on the Ig Diversification and the Selection of Productive V-J Joints in the Bursa. <i>Journal of Immunology</i> , 2002, 169, 818-828.	0.8	25
12	Alternative Okazaki Fragment Ligation Pathway by DNA Ligase III. <i>Genes</i> , 2015, 6, 385-398.	2.4	22
13	Signal joint of immunoglobulin V $\lambda$ 1-J $\lambda$ and novel joints of chimeric V pseudogenes on extrachromosomal circular DNA from chicken bursa. <i>European Journal of Immunology</i> , 1993, 23, 245-249.	2.9	18
14	A method to convert mRNA into a gRNA library for CRISPR/Cas9 editing of any organism. <i>Science Advances</i> , 2016, 2, e1600699.	10.3	17
15	Early expression of Ig $\lambda$ chain from a transgene significantly reduces the duration of the pro-B stage but does not affect the small pre-B stage. <i>International Immunology</i> , 1996, 8, 1319-1328.	4.0	14
16	<sc>DNA</sc> Ligases I and <sc>III</sc> Support Nucleotide Excision Repair in <sc>DT</sc>40 Cells with Similar Efficiency. <i>Photochemistry and Photobiology</i> , 2015, 91, 1173-1180.	2.5	14
17	Tumor suppressor RecQL5 controls recombination induced by DNA crosslinking agents. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 1002-1012.	4.1	11
18	A double-strand break can trigger immunoglobulin gene conversion. <i>Nucleic Acids Research</i> , 2017, 45, 231-243.	14.5	6

#	ARTICLE	IF	CITATIONS
19	Immunoglobulin gene conversion and hypermutation assay by facs. Sub-Cellular Biochemistry, 2006, 40, 351-352.	2.4	6
20	Targeted transfection of DT40 cells. Sub-Cellular Biochemistry, 2006, 40, 419-421.	2.4	5
21	Molecular Characterization of Extrachromosomal Circular DNAs from Differentiating Embryonic Stem Cells.. Cell Structure and Function, 1996, 21, 451-457.	1.1	1
22	A Method to Convert mRNA into a Guide RNA (gRNA) Library without Requiring Previous Bioinformatics Knowledge of the Organism. Bio-protocol, 2017, 7, e2319.	0.4	0