

# Aaron Klug

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/12176474/aaron-klug-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32  
papers

5,689  
citations

26  
h-index

37  
g-index

37  
ext. papers

6,021  
ext. citations

15.3  
avg, IF

5.89  
L-index

#	Paper	IF	Citations
32	The structure of an oligo(dA).oligo(dT) tract and its biological implications. <i>Nature</i> , <b>1987</b> , 330, 221-6	50.4	971
31	The crystal structure of an all-RNA hammerhead ribozyme: a proposed mechanism for RNA catalytic cleavage. <i>Cell</i> , <b>1995</b> , 81, 991-1002	56.2	699
30	Zinc fingers—a novel protein motif for nucleic acid recognition. <i>Trends in Biochemical Sciences</i> , <b>1987</b> , 12, 464-469	10.3	605
29	Zinc fingers. <i>FASEB Journal</i> , <b>1995</b> , 9, 597-604	0.9	504
28	The discovery of zinc fingers and their applications in gene regulation and genome manipulation. <i>Annual Review of Biochemistry</i> , <b>2010</b> , 79, 213-31	29.1	492
27	From Macromolecules to Biological Assemblies (Nobel Lecture). <i>Angewandte Chemie International Edition in English</i> , <b>1983</b> , 22, 565-582		308
26	Targeted gene knockout in mammalian cells by using engineered zinc-finger nucleases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 5809-14	11.5	305
25	In vivo repression by a site-specific DNA-binding protein designed against an oncogenic sequence. <i>Nature</i> , <b>1994</b> , 372, 642-5	50.4	266
24	The discovery of zinc fingers and their development for practical applications in gene regulation and genome manipulation. <i>Quarterly Reviews of Biophysics</i> , <b>2010</b> , 43, 1-21	7	168
23	A rapid, generally applicable method to engineer zinc fingers illustrated by targeting the HIV-1 promoter. <i>Nature Biotechnology</i> , <b>2001</b> , 19, 656-60	44.5	165
22	Zinc finger peptides for the regulation of gene expression. <i>Journal of Molecular Biology</i> , <b>1999</b> , 293, 215-8.5		151
21	Comprehensive DNA recognition through concerted interactions from adjacent zinc fingers. <i>Biochemistry</i> , <b>1998</b> , 37, 12026-33	3.2	118
20	Repression of the HIV-1 5' LTR promoter and inhibition of HIV-1 replication by using engineered zinc-finger transcription factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 1615-20	11.5	116
19	Rapid crystallization of chemically synthesized hammerhead RNAs using a double screening procedure. <i>Journal of Molecular Biology</i> , <b>1995</b> , 250, 327-32	6.5	107
18	Solution structures of two zinc-finger domains from SWI5 obtained using two-dimensional <sup>1</sup> H nuclear magnetic resonance spectroscopy. A zinc-finger structure with a third strand of beta-sheet. <i>Journal of Molecular Biology</i> , <b>1992</b> , 228, 637-51	6.5	78
17	Ribozymes: structure and mechanism in RNA catalysis. <i>Trends in Biochemical Sciences</i> , <b>1996</b> , 21, 220-224	10.3	74
16	Designing DNA-binding proteins on the surface of filamentous phage. <i>Current Opinion in Biotechnology</i> , <b>1995</b> , 6, 431-6	11.4	69

15	Vom Makromolekül zum biologischen Molekülverband (Nobel-Vortrag). <i>Angewandte Chemie</i> , <b>2006</b> , 95, 579-596	3.6	66
14	Inhibition of herpes simplex virus 1 gene expression by designer zinc-finger transcription factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 1621-6	11.5	65
13	The discovery of the DNA double helix. <i>Journal of Molecular Biology</i> , <b>2004</b> , 335, 3-26	6.5	54
12	Adjacent zinc-finger motifs in multiple zinc-finger peptides from SW15 form structurally independent, flexibly linked domains. <i>Journal of Molecular Biology</i> , <b>1992</b> , 228, 619-36	6.5	51
11	Sequence-specific <sup>1</sup> H-NMR resonance assignments and secondary structure identification for 1- and 2-zinc finger constructs from SW15. A hydrophobic core involving four invariant residues. <i>FEBS Letters</i> , <b>1990</b> , 262, 179-84	3.8	45
10	From virus structure to chromatin: X-ray diffraction to three-dimensional electron microscopy. <i>Annual Review of Biochemistry</i> , <b>2010</b> , 79, 1-35	29.1	39
9	From macromolecules to biological assemblies. Nobel Lecture, 8 December 1982. <i>Bioscience Reports</i> , <b>1983</b> , 3, 395-430	4.1	27
8	Co-chairman's remarks: protein designs for the specific recognition of DNA. <i>Gene</i> , <b>1993</b> , 135, 83-92	3.8	21
7	Gene regulatory proteins and their interaction with DNA. <i>Annals of the New York Academy of Sciences</i> , <b>1995</b> , 758, 143-60	6.5	16
6	The discovery of zinc fingers and their development for practical applications in gene regulation. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>2005</b> , 81, 87-102	4	12
5	Francis Crick (8th June 1916 - 28th July 2004). <i>Nature Cell Biology</i> , <b>2004</b> , 6, 799-800	23.4	2
4	The Discovery of Zinc Fingers and Their Practical Applications in Gene Regulation: A Personal Account <b>2005</b> , 1-6		1
3	Chris Calladine and Biological Structures: A Personal Account. <i>Solid Mechanics and Its Applications</i> , <b>2002</b> , 413-419	0.4	1
2	Francis Crick (8 June 1916--28 July 2004): a memoir. <i>FEBS Letters</i> , <b>2005</b> , 579, 852-4	3.8	0
1	Sir Martin Roth. 6 November 1917 - 26 September 2006. <i>Biographical Memoirs of Fellows of the Royal Society</i> , <b>2010</b> , 56, 377-389	0.1	