

# Tomoya Kujirai

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

939  
citations

686830

13  
h-index

500791

28  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1055  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unusual nucleosome formation and transcriptome influence by the histone H3mm18 variant. <i>Nucleic Acids Research</i> , 2022, 50, 72-91.	6.5	7
2	Structural and biochemical analyses of the nucleosome containing <i>Komagataella pastoris</i> histones. <i>Journal of Biochemistry</i> , 2022, 172, 79-88.	0.9	11
3	Contributions of Histone Variants in Nucleosome Structure and Function. <i>Journal of Molecular Biology</i> , 2021, 433, 166678.	2.0	49
4	Inactivation Mechanism of an Innate Immune DNA Sensor cGAS by Self-chromatinized DNA. <i>Seibutsu Butsuri</i> , 2021, 61, 324-326.	0.0	0
5	H4K20me1 and H3K27me3 are concurrently loaded onto the inactive X chromosome but dispensable for inducing gene silencing. <i>EMBO Reports</i> , 2021, 22, e51989.	2.0	40
6	Histone variant H2A.B-H2B dimers are spontaneously exchanged with canonical H2A-H2B in the nucleosome. <i>Communications Biology</i> , 2021, 4, 191.	2.0	17
7	Cryo-EM structure of the nucleosome core particle containing <i>Giardia lamblia</i> histones. <i>Nucleic Acids Research</i> , 2021, 49, 8934-8946.	6.5	20
8	Organoruthenium-catalyzed chemical protein synthesis to elucidate the functions of epigenetic modifications on heterochromatin factors. <i>Chemical Science</i> , 2021, 12, 5926-5937.	3.7	10
9	Biochemical and structural analyses of the nucleosome containing human histone H2A.J. <i>Journal of Biochemistry</i> , 2020, 167, 419-427.	0.9	6
10	Transcription through the nucleosome. <i>Current Opinion in Structural Biology</i> , 2020, 61, 42-49.	2.6	68
11	Acetylation-modulated communication between the H3 N-terminal tail domain and the intrinsically disordered H1 C-terminal domain. <i>Nucleic Acids Research</i> , 2020, 48, 11510-11520.	6.5	12
12	Structural basis for the inhibition of cGAS by nucleosomes. <i>Science</i> , 2020, 370, 455-458.	6.0	149
13	The N-terminal and C-terminal halves of histone H2A.Z independently function in nucleosome positioning and stability. <i>Genes To Cells</i> , 2020, 25, 538-546.	0.5	10
14	Synthetic hyperacetylation of nucleosomal histones. <i>RSC Chemical Biology</i> , 2020, 1, 56-59.	2.0	12
15	Biochemical analysis of nucleosome targeting by Tn5 transposase. <i>Open Biology</i> , 2019, 9, 190116.	1.5	14
16	Incorporation and influence of <i>Leishmania</i> histone H3 in chromatin. <i>Nucleic Acids Research</i> , 2019, 47, 11637-11648.	6.5	18
17	Structure-based design of an H2A.Z.1 mutant stabilizing a nucleosome in vitro and in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2019, 515, 719-724.	1.0	8
18	Biochemical characterization of the placeholder nucleosome for DNA hypomethylation maintenance. <i>Biochemistry and Biophysics Reports</i> , 2019, 18, 100634.	0.7	3

#	ARTICLE	IF	CITATIONS
19	Structural insight into nucleosome transcription by RNA polymerase II with elongation factors. <i>Science</i> , 2019, 363, 744-747.	6.0	126
20	Structure determination of the nucleosome core particle by selenium SAD phasing. <i>Acta Crystallographica Section D: Structural Biology</i> , 2019, 75, 930-936.	1.1	1
21	Structural basis of the nucleosome transition during RNA polymerase II passage. <i>Science</i> , 2018, 362, 595-598.	6.0	157
22	Methods for Preparing Nucleosomes Containing Histone Variants. <i>Methods in Molecular Biology</i> , 2018, 1832, 3-20.	0.4	47
23	Identification of the amino acid residues responsible for stable nucleosome formation by histone H3.Y. <i>Nucleus</i> , 2017, 8, 239-248.	0.6	10
24	Crystal Structure and Characterization of Novel Human Histone H3 Variants, H3.6, H3.7, and H3.8. <i>Biochemistry</i> , 2017, 56, 2184-2196.	1.2	20
25	Influence of polynucleosome preparation methods on sedimentation velocity analysis of chromatin. <i>Journal of Biochemistry</i> , 2017, 161, 381-388.	0.9	5
26	In vitro reconstitution and biochemical analyses of the <i>Schizosaccharomyces pombe</i> nucleosome. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 896-901.	1.0	10
27	Structure and function of human histone H3.Y nucleosome. <i>Nucleic Acids Research</i> , 2016, 44, 6127-6141.	6.5	44
28	A Genetically Encoded Probe for Live-Cell Imaging of H4K20 Monomethylation. <i>Journal of Molecular Biology</i> , 2016, 428, 3885-3902.	2.0	52
29	Solution structure of variant H2A.Z.1 nucleosome investigated by small-angle X-ray and neutron scatterings. <i>Biochemistry and Biophysics Reports</i> , 2015, 4, 28-32.	0.7	10