Tomoya Kujirai

List of Publications by Year
in descending order

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	Structural basis of the nucleosome transition during RNA polymerase II passage. Science, 2018, 362, 595-598.	6.0	157
2	Structural basis for the inhibition of cGAS by nucleosomes. Science, 2020, 370, 455-458.	6.0	149
3	Structural insight into nucleosome transcription by RNA polymerase II with elongation factors. Science, 2019, 363, 744-747.	6.0	126
4	Transcription through the nucleosome. Current Opinion in Structural Biology, 2020, 61, 42-49.	2.6	68
5	A Genetically Encoded Probe for Live-Cell Imaging of H4K20 Monomethylation. Journal of Molecular Biology, 2016, 428, 3885-3902.	2.0	52
6	Contributions of Histone Variants in Nucleosome Structure and Function. Journal of Molecular Biology, 2021, 433, 166678.	2.0	49
7	Methods for Preparing Nucleosomes Containing Histone Variants. Methods in Molecular Biology, 2018, 1832, 3-20.	0.4	47
8	Structure and function of human histone H3.Y nucleosome. Nucleic Acids Research, 2016, 44, 6127-6141.	6.5	44
9	H4K20me1 and H3K27me3 are concurrently loaded onto the inactive X chromosome but dispensable for inducing gene silencing. EMBO Reports, 2021, 22, e51989.	2.0	40
10	Crystal Structure and Characterization of Novel Human Histone H3 Variants, H3.6, H3.7, and H3.8. Biochemistry, 2017, 56, 2184-2196.	1.2	20
11	Cryo-EM structure of the nucleosome core particle containing Giardia lamblia histones. Nucleic Acids Research, 2021, 49, 8934-8946.	6.5	20
12	Incorporation and influence of Leishmania histone H3 in chromatin. Nucleic Acids Research, 2019, 47, 11637-11648.	6.5	18
13	Histone variant H2A.B-H2B dimers are spontaneously exchanged with canonical H2A-H2B in the nucleosome. Communications Biology, 2021, 4, 191.	2.0	17
14	Biochemical analysis of nucleosome targeting by Tn5 transposase. Open Biology, 2019, 9, 190116.	1.5	14
15	Acetylation-modulated communication between the H3 N-terminal tail domain and the intrinsically disordered H1 C-terminal domain. Nucleic Acids Research, 2020, 48, 11510-11520.	6.5	12
16	Synthetic hyperacetylation of nucleosomal histones. RSC Chemical Biology, 2020, 1, 56-59.	2.0	12
17	Structural and biochemical analyses of the nucleosome containing Komagataella pastoris histones. Journal of Biochemistry, 2022, 172, 79-88.	0.9	11
18	Solution structure of variant H2A.Z.1 nucleosome investigated by small-angle X-ray and neutron scatterings. Biochemistry and Biophysics Reports, 2015, 4, 28-32.	0.7	10

#	Article	IF	Citations
19	Identification of the amino acid residues responsible for stable nucleosome formation by histone H3.Y. Nucleus, 2017, 8, 239-248.	0.6	10
20	InÂvitro reconstitution and biochemical analyses of the Schizosaccharomyces pombe nucleosome. Biochemical and Biophysical Research Communications, 2017, 482, 896-901.	1.0	10
21	The Nâ€terminal and Câ€terminal halves of histone H2A.Z independently function in nucleosome positioning and stability. Genes To Cells, 2020, 25, 538-546.	0.5	10
22	Organoruthenium-catalyzed chemical protein synthesis to elucidate the functions of epigenetic modifications on heterochromatin factors. Chemical Science, 2021, 12, 5926-5937.	3.7	10
23	Structure-based design of an H2A.Z.1 mutant stabilizing a nucleosome inÂvitro and inÂvivo. Biochemical and Biophysical Research Communications, 2019, 515, 719-724.	1.0	8
24	Unusual nucleosome formation and transcriptome influence by the histone H3mm18 variant. Nucleic Acids Research, 2022, 50, 72-91.	6.5	7
25	Biochemical and structural analyses of the nucleosome containing human histone H2A.J. Journal of Biochemistry, 2020, 167, 419-427.	0.9	6
26	Influence of polynucleosome preparation methods on sedimentation velocity analysis of chromatin. Journal of Biochemistry, 2017, 161, 381-388.	0.9	5
27	Biochemical characterization of the placeholder nucleosome for DNA hypomethylation maintenance. Biochemistry and Biophysics Reports, 2019, 18, 100634.	0.7	3
28	Structure determination of the nucleosome core particle by selenium SAD phasing. Acta Crystallographica Section D: Structural Biology, 2019, 75, 930-936.	1.1	1
29	Inactivation Mechanism of an Innate Immune DNA Sensor cGAS by Self-chromatinized DNA. Seibutsu Butsuri, 2021, 61, 324-326.	0.0	0