

Tomoya Kujirai

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

939
citations

687363

13
h-index

501196

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. <i>Science</i> , 2018, 362, 595-598.	12.6	157
2	Structural basis for the inhibition of cGAS by nucleosomes. <i>Science</i> , 2020, 370, 455-458.	12.6	149
3	Structural insight into nucleosome transcription by RNA polymerase II with elongation factors. <i>Science</i> , 2019, 363, 744-747.	12.6	126
4	Transcription through the nucleosome. <i>Current Opinion in Structural Biology</i> , 2020, 61, 42-49.	5.7	68
5	A Genetically Encoded Probe for Live-Cell Imaging of H4K20 Monomethylation. <i>Journal of Molecular Biology</i> , 2016, 428, 3885-3902.	4.2	52
6	Contributions of Histone Variants in Nucleosome Structure and Function. <i>Journal of Molecular Biology</i> , 2021, 433, 166678.	4.2	49
7	Methods for Preparing Nucleosomes Containing Histone Variants. <i>Methods in Molecular Biology</i> , 2018, 1832, 3-20.	0.9	47
8	Structure and function of human histone H3.Y nucleosome. <i>Nucleic Acids Research</i> , 2016, 44, 6127-6141.	14.5	44
9	H4K20me1 and H3K27me3 are concurrently loaded onto the inactive X chromosome but dispensable for inducing gene silencing. <i>EMBO Reports</i> , 2021, 22, e51989.	4.5	40
10	Crystal Structure and Characterization of Novel Human Histone H3 Variants, H3.6, H3.7, and H3.8. <i>Biochemistry</i> , 2017, 56, 2184-2196.	2.5	20
11	Cryo-EM structure of the nucleosome core particle containing <i>Giardia lamblia</i> histones. <i>Nucleic Acids Research</i> , 2021, 49, 8934-8946.	14.5	20
12	Incorporation and influence of <i>Leishmania</i> histone H3 in chromatin. <i>Nucleic Acids Research</i> , 2019, 47, 11637-11648.	14.5	18
13	Histone variant H2A.B-H2B dimers are spontaneously exchanged with canonical H2A-H2B in the nucleosome. <i>Communications Biology</i> , 2021, 4, 191.	4.4	17
14	Biochemical analysis of nucleosome targeting by Tn5 transposase. <i>Open Biology</i> , 2019, 9, 190116.	3.6	14
15	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.	14.5	12
16	Synthetic hyperacetylation of nucleosomal histones. <i>RSC Chemical Biology</i> , 2020, 1, 56-59.	4.1	12
17	Structural and biochemical analyses of the nucleosome containing <i>Komagataella pastoris</i> histones. <i>Journal of Biochemistry</i> , 2022, 172, 79-88.	1.7	11
18	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.	1.3	10

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19	Identification of the amino acid residues responsible for stable nucleosome formation by histone H3.Y. <i>Nucleus</i> , 2017, 8, 239-248.	2.2	10
20	InÂvitro reconstitution and biochemical analyses of the <i>Schizosaccharomyces pombe</i> nucleosome. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 896-901.	2.1	10
21	The Nâ€terminal and Câ€terminal halves of histone H2A.Z independently function in nucleosome positioning and stability. <i>Genes To Cells</i> , 2020, 25, 538-546.	1.2	10
22	Organoruthenium-catalyzed chemical protein synthesis to elucidate the functions of epigenetic modifications on heterochromatin factors. <i>Chemical Science</i> , 2021, 12, 5926-5937.	7.4	10
23	Structure-based design of an H2A.Z.1 mutant stabilizing a nucleosome inÂvitro and inÂvivo. <i>Biochemical and Biophysical Research Communications</i> , 2019, 515, 719-724.	2.1	8
24	Unusual nucleosome formation and transcriptome influence by the histone H3mm18 variant. <i>Nucleic Acids Research</i> , 2022, 50, 72-91.	14.5	7
25	Biochemical and structural analyses of the nucleosome containing human histone H2A.J. <i>Journal of Biochemistry</i> , 2020, 167, 419-427.	1.7	6
26	Influence of polynucleosome preparation methods on sedimentation velocity analysis of chromatin. <i>Journal of Biochemistry</i> , 2017, 161, 381-388.	1.7	5
27	Biochemical characterization of the placeholder nucleosome for DNA hypomethylation maintenance. <i>Biochemistry and Biophysics Reports</i> , 2019, 18, 100634.	1.3	3
28	Structure determination of the nucleosome core particle by selenium SAD phasing. <i>Acta Crystallographica Section D: Structural Biology</i> , 2019, 75, 930-936.	2.3	1
29	Inactivation Mechanism of an Innate Immune DNA Sensor cGAS by Self-chromatinized DNA. <i>Seibutsu Butsuru</i> , 2021, 61, 324-326.	0.1	0