Yasuhiro Arimura

List of Publications by Year
in descending order

37	1,328	331259 21	377514 34
papers	citations	h-index	g-index

39	39	39	1475
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural Mechanics of the Alpha-2-Macroglobulin Transformation. Journal of Molecular Biology, 2022, 434, 167413.	2.0	9
2	Characteristic H3 N-tail dynamics in the nucleosome core particle, nucleosome, and chromatosome. IScience, 2022, 25, 103937.	1.9	5
3	Structural basis of nucleosomal histone H4 lysine 20 methylation by SET8 methyltransferase. Life Science Alliance, 2021, 4, e202000919.	1.3	17
4	Histone variant H2A.B-H2B dimers are spontaneously exchanged with canonical H2A-H2B in the nucleosome. Communications Biology, 2021, 4, 191.	2.0	17
5	The N-terminal Tails of Histones H2A and H2B Adopt Two Distinct Conformations in the Nucleosome with Contact and Reduced Contact to DNA. Journal of Molecular Biology, 2021, 433, 167110.	2.0	16
6	Structural features of nucleosomes in interphase and metaphase chromosomes. Molecular Cell, 2021, 81, 4377-4397.e12.	4.5	27
7	Cryoâ€EM structure of the CENPâ€A nucleosome in complex with phosphorylated CENPâ€C. EMBO Journal, 2021, 40, e105671.	3.5	35
8	Cryo-EM Structures of Centromeric Tri-nucleosomes Containing a Central CENP-A Nucleosome. Structure, 2020, 28, 44-53.e4.	1.6	47
9	Essentiality of CENP-A Depends on Its Binding Mode to HJURP. Cell Reports, 2020, 33, 108388.	2.9	9
10	Linker DNA and histone contributions in nucleosome binding by p53. Journal of Biochemistry, 2020, 168, 669-675.	0.9	14
11	Acetylated histone H4 tail enhances histone H3 tail acetylation by altering their mutual dynamics in the nucleosome. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19661-19663.	3.3	31
12	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
13	Crystal structure of Î±-glucosyl transfer enzyme XgtA from Xanthomonas campestris WU-9701. Biochemical and Biophysical Research Communications, 2020, 526, 580-585.	1.0	9
14	Nucleosome destabilization by nuclear non-coding RNAs. Communications Biology, 2020, 3, 60.	2.0	6
15	Biochemical analysis of nucleosome targeting by Tn5 transposase. Open Biology, 2019, 9, 190116.	1.5	14
16	The CENP-A centromere targeting domain facilitates H4K20 monomethylation in the nucleosome by structural polymorphism. Nature Communications, 2019, 10, 576.	5.8	28
17	A chromatin integration labelling method enables epigenomic profiling with lower input. Nature Cell Biology, 2019, 21, 287-296.	4.6	121
18	Structural polymorphism of the Escherichia coli poly-Î±-L-glutamate synthetase RimK. Acta Crystallographica Section F, Structural Biology Communications, 2018, 74, 385-390.	0.4	3

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19	Cancer-associated mutations of histones H2B, H3.1 and H2A.Z.1 affect the structure and stability of the nucleosome. Nucleic Acids Research, 2018, 46, 10007-10018.	6.5	58
20	Methods for Preparing Nucleosomes Containing Histone Variants. Methods in Molecular Biology, 2018, 1832, 3-20.	0.4	47
21	Crystal structure of the overlapping dinucleosome composed of hexasome and octasome. Science, 2017, 356, 205-208.	6.0	77
22	Synthetic Posttranslational Modifications: Chemical Catalyst-Driven Regioselective Histone Acylation of Native Chromatin. Journal of the American Chemical Society, 2017, 139, 7568-7576.	6.6	60
23	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
24	Association of M18BP1/KNL2 with CENP-A Nucleosome Is Essential for Centromere Formation in Non-mammalian Vertebrates. Developmental Cell, 2017, 42, 181-189.e3.	3.1	56
25	Polymorphism of apyrimidinic DNA structures in the nucleosome. Scientific Reports, 2017, 7, 41783.	1.6	9
26	Crystal structures of heterotypic nucleosomes containing histones H2A.Z and H2A. Open Biology, 2016, 6, 160127.	1.5	27
27	Influence of DNA methylation on positioning and DNA flexibility of nucleosomes with pericentric satellite DNA. Open Biology, 2015, 5, 150128.	1.5	22
28	Stable complex formation of CENP-B with the CENP-A nucleosome. Nucleic Acids Research, 2015, 43, 4909-4922.	6.5	59
29	Two Arginine Residues Suppress the Flexibility of Nucleosomal DNA in the Canonical Nucleosome Core. PLoS ONE, 2015, 10, e0120635.	1.1	30
30	A method for evaluating nucleosome stability with a protein-binding fluorescent dye. Methods, 2014, 70, 119-126.	1.9	60
31	Distinct Features of the Histone Core Structure in Nucleosomes Containing the Histone H2A.B Variant. Biophysical Journal, 2014, 106, 2206-2213.	0.2	26
32	Crystal structure and stable property of the cancer-associated heterotypic nucleosome containing CENP-A and H3.3. Scientific Reports, 2014, 4, 7115.	1.6	64
33	Structural polymorphism in the L1 loop regions of human H2A.Z.1 and H2A.Z.2. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 2431-2439.	2.5	55
34	<scp>l</scp> -Amino Acid Ligase from Pseudomonas syringae Producing Tabtoxin Can Be Used for Enzymatic Synthesis of Various Functional Peptides. Applied and Environmental Microbiology, 2013, 79, 5023-5029.	1.4	36
35	Structural basis of a nucleosome containing histone H2A.B/H2A.Bbd that transiently associates with reorganized chromatin. Scientific Reports, 2013, 3, 3510.	1.6	61
36	Structural Analysis of the Hexasome, Lacking One Histone H2A/H2B Dimer from the Conventional Nucleosome. Biochemistry, 2012, 51, 3302-3309.	1.2	101

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37	Poly-Î±-Glutamic Acid Synthesis Using a Novel Catalytic Activity of RimK from Escherichia coli K-12. Applied and Environmental Microbiology, 2011, 77, 2019-2025.	1.4	37