

# Yasuhiro Arimura

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,328  
citations

331259

21  
h-index

377514

34  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1475  
citing authors

#	ARTICLE	IF	CITATIONS
1	A chromatin integration labelling method enables epigenomic profiling with lower input. <i>Nature Cell Biology</i> , 2019, 21, 287-296.	4.6	121
2	Structural Analysis of the Hexasome, Lacking One Histone H2A/H2B Dimer from the Conventional Nucleosome. <i>Biochemistry</i> , 2012, 51, 3302-3309.	1.2	101
3	Crystal structure of the overlapping dinucleosome composed of hexasome and octasome. <i>Science</i> , 2017, 356, 205-208.	6.0	77
4	Crystal structure and stable property of the cancer-associated heterotypic nucleosome containing CENP-A and H3.3. <i>Scientific Reports</i> , 2014, 4, 7115.	1.6	64
5	Structural basis of a nucleosome containing histone H2A.B/H2A.Bbd that transiently associates with reorganized chromatin. <i>Scientific Reports</i> , 2013, 3, 3510.	1.6	61
6	A method for evaluating nucleosome stability with a protein-binding fluorescent dye. <i>Methods</i> , 2014, 70, 119-126.	1.9	60
7	Synthetic Posttranslational Modifications: Chemical Catalyst-Driven Regioselective Histone Acylation of Native Chromatin. <i>Journal of the American Chemical Society</i> , 2017, 139, 7568-7576.	6.6	60
8	Stable complex formation of CENP-B with the CENP-A nucleosome. <i>Nucleic Acids Research</i> , 2015, 43, 4909-4922.	6.5	59
9	Cancer-associated mutations of histones H2B, H3.1 and H2A.Z.1 affect the structure and stability of the nucleosome. <i>Nucleic Acids Research</i> , 2018, 46, 10007-10018.	6.5	58
10	Association of M18BP1/KNL2 with CENP-A Nucleosome Is Essential for Centromere Formation in Non-mammalian Vertebrates. <i>Developmental Cell</i> , 2017, 42, 181-189.e3.	3.1	56
11	Structural polymorphism in the L1 loop regions of human H2A.Z.1 and H2A.Z.2. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 2431-2439.	2.5	55
12	Methods for Preparing Nucleosomes Containing Histone Variants. <i>Methods in Molecular Biology</i> , 2018, 1832, 3-20.	0.4	47
13	Cryo-EM Structures of Centromeric Tri-nucleosomes Containing a Central CENP-A Nucleosome. <i>Structure</i> , 2020, 28, 44-53.e4.	1.6	47
14	Poly- $\gamma$ -Glutamic Acid Synthesis Using a Novel Catalytic Activity of RimK from <i>Escherichia coli</i> K-12. <i>Applied and Environmental Microbiology</i> , 2011, 77, 2019-2025.	1.4	37
15	$\gamma$ -Amino Acid Ligase from <i>Pseudomonas syringae</i> Producing Tabtoxin Can Be Used for Enzymatic Synthesis of Various Functional Peptides. <i>Applied and Environmental Microbiology</i> , 2013, 79, 5023-5029.	1.4	36
16	Cryo-EM structure of the CENP-A nucleosome in complex with phosphorylated CENP-C. <i>EMBO Journal</i> , 2021, 40, e105671.	3.5	35
17	Acetylated histone H4 tail enhances histone H3 tail acetylation by altering their mutual dynamics in the nucleosome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 19661-19663.	3.3	31
18	Two Arginine Residues Suppress the Flexibility of Nucleosomal DNA in the Canonical Nucleosome Core. <i>PLoS ONE</i> , 2015, 10, e0120635.	1.1	30

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19	The CENP-A centromere targeting domain facilitates H4K20 monomethylation in the nucleosome by structural polymorphism. <i>Nature Communications</i> , 2019, 10, 576.	5.8	28
20	Structural features of nucleosomes in interphase and metaphase chromosomes. <i>Molecular Cell</i> , 2021, 81, 4377-4397.e12.	4.5	27
21	Crystal structures of heterotypic nucleosomes containing histones H2A.Z and H2A. <i>Open Biology</i> , 2016, 6, 160127.	1.5	27
22	Distinct Features of the Histone Core Structure in Nucleosomes Containing the Histone H2A.B Variant. <i>Biophysical Journal</i> , 2014, 106, 2206-2213.	0.2	26
23	Influence of DNA methylation on positioning and DNA flexibility of nucleosomes with pericentric satellite DNA. <i>Open Biology</i> , 2015, 5, 150128.	1.5	22
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	Structural basis of nucleosomal histone H4 lysine 20 methylation by SET8 methyltransferase. <i>Life Science Alliance</i> , 2021, 4, e202000919.	1.3	17
26	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
27	The N-terminal Tails of Histones H2A and H2B Adopt Two Distinct Conformations in the Nucleosome with Contact and Reduced Contact to DNA. <i>Journal of Molecular Biology</i> , 2021, 433, 167110.	2.0	16
28	Biochemical analysis of nucleosome targeting by Tn5 transposase. <i>Open Biology</i> , 2019, 9, 190116.	1.5	14
29	Linker DNA and histone contributions in nucleosome binding by p53. <i>Journal of Biochemistry</i> , 2020, 168, 669-675.	0.9	14
30	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
31	Polymorphism of apyrimidinic DNA structures in the nucleosome. <i>Scientific Reports</i> , 2017, 7, 41783.	1.6	9
32	Essentiality of CENP-A Depends on Its Binding Mode to HJURP. <i>Cell Reports</i> , 2020, 33, 108388.	2.9	9
33	Crystal structure of $\beta$ -glucosyl transferase XgtA from <i>Xanthomonas campestris</i> WU-9701. <i>Biochemical and Biophysical Research Communications</i> , 2020, 526, 580-585.	1.0	9
34	Structural Mechanics of the Alpha-2-Macroglobulin Transformation. <i>Journal of Molecular Biology</i> , 2022, 434, 167413.	2.0	9
35	Nucleosome destabilization by nuclear non-coding RNAs. <i>Communications Biology</i> , 2020, 3, 60.	2.0	6
36	Characteristic H3 N-tail dynamics in the nucleosome core particle, nucleosome, and chromatosome. <i>IScience</i> , 2022, 25, 103937.	1.9	5

#	ARTICLE	IF	CITATIONS
37	Structural polymorphism of the Escherichia coli poly- $\hat{L}$ -L-glutamate synthetase RimK. Acta Crystallographica Section F, Structural Biology Communications, 2018, 74, 385-390.	0.4	3