Toyotaka Ishibashi

List of Publications by Year
in descending order

62	2,556	147726	206029
papers	citations	31 h-index	48 g-index

64	64	64	3098
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Arabidopsis COP10 forms a complex with DDB1 and DET1 in vivo and enhances the activity of ubiquitin conjugating enzymes. Genes and Development, 2004, 18, 2172-2181.	2.7	186
2	Nucleosomal Elements that Control the Topography of the Barrier to Transcription. Cell, 2012, 151, 738-749.	13.5	162
3	Complete dissection of transcription elongation reveals slow translocation of RNA polymerase II in a linear ratchet mechanism. ELife, 2013, 2, e00971.	2.8	111
4	Nascent RNA structure modulates the transcriptional dynamics of RNA polymerases. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8948-8953.	3.3	95
5	Plant DNA polymerase Î», a DNA repair enzyme that functions in plant meristematic and meiotic tissues. FEBS Journal, 2004, 271, 2799-2807.	0.2	92
6	DNA repair in higher plants; photoreactivation is the major DNA repair pathway in non-proliferating cells while excision repair (nucleotide excision repair and base excision repair) is active in proliferating cells. Nucleic Acids Research, 2004, 32, 2760-2767.	6.5	91
7	Characterization of the histone H2A.Z-1 and H2A.Z-2 isoforms in vertebrates. BMC Biology, 2009, 7, 86.	1.7	89
8	H2A.Z and H3.3 Histone Variants Affect Nucleosome Structure: Biochemical and Biophysical Studies. Biochemistry, 2009, 48, 10852-10857.	1.2	87
9	Acetylation of Vertebrate H2A.Z and Its Effect on the Structure of the Nucleosome. Biochemistry, 2009, 48, 5007-5017.	1.2	83
10	Poly(ADP-ribosyl)ation-dependent Transient Chromatin Decondensation and Histone Displacement following Laser Microirradiation. Journal of Biological Chemistry, 2016, 291, 1789-1802.	1.6	80
11	Molecular Mechanisms of Transcription through Single-Molecule Experiments. Chemical Reviews, 2014, 114, 3203-3223.	23.0	74
12	The evolutionary differentiation of two histone H2A.Z variants in chordates (H2A.Z-1 and H2A.Z-2) is mediated by a stepwise mutation process that affects three amino acid residues. BMC Evolutionary Biology, 2009, 9, 31.	3.2	72
13	H2A.Bbd: an X-chromosome-encoded histone involved in mammalian spermiogenesis. Nucleic Acids Research, 2010, 38, 1780-1789.	6.5	71
14	A novel DNA polymerase homologous to Escherichia coli DNA polymerase I from a higher plant, rice (Oryza sativa L.). Nucleic Acids Research, 2002, 30, 1585-1592.	6.5	63
15	H2A.Z Stabilizes Chromatin in a Way That Is Dependent on Core Histone Acetylation. Journal of Biological Chemistry, 2006, 281, 20036-20044.	1.6	63
16	The multiâ€replication proteinâ€ƒA (RPA) system â€“ a new perspective. FEBS Journal, 2009, 276, 943-963.	2.2	54
17	Two types of replication protein A 70 kDa subunit in rice, Oryza sativa : molecular cloning, characterization, and cellular & tissue distribution. Gene, 2001, 272, 335-343.	1.0	53
18	Plastid DNA polymerases from higher plants, Arabidopsis thaliana. Biochemical and Biophysical Research Communications, 2005, 334, 43-50.	1.0	50

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19	A novel histone H4 variant H4G regulates rDNA transcription in breast cancer. Nucleic Acids Research, 2019, 47, 8399-8409.	6.5	50
20	H2A.Bbd: a quickly evolving hypervariable mammalian histone that destabilizes nucleosomes in an acetylationâ€independent way. FASEB Journal, 2008, 22, 316-326.	0.2	49
21	Transcription factors IIS and IIF enhance transcription efficiency by differentially modifying RNA polymerase pausing dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3419-3424.	3.3	49
22	Apical constriction is driven by a pulsatile apical myosin network in delaminating Drosophila neuroblasts. Development (Cambridge), 2017, 144, 2153-2164.	1.2	47
23	A Higher Plant Has Three Different Types of RPA Heterotrimeric Complex. Journal of Biochemistry, 2006, 139, 99-104.	0.9	45
24	Characterization of all the subunits of replication factor C from a higher plant, rice (Oryza sativa L.), and their relation to development. Plant Molecular Biology, 2003, 53, 15-25.	2.0	43
25	Site-Specific Installation of Succinyl Lysine Analog into Histones Reveals the Effect of H2BK34 Succinylation on Nucleosome Dynamics. Cell Chemical Biology, 2018, 25, 166-174.e7.	2.5	42
26	MeCP2 preferentially binds to methylated linker DNA in the absence of the terminal tail of histone H3 and independently of histone acetylation. FEBS Letters, 2008, 582, 1157-1162.	1.3	41
27	Phosphorylation of Histone H2A.X by DNA-dependent Protein Kinase Is Not Affected by Core Histone Acetylation, but It Alters Nucleosome Stability and Histone H1 Binding. Journal of Biological Chemistry, 2010, 285, 17778-17788.	1.6	41
28	Two types of replication protein A in seed plants. FEBS Journal, 2005, 272, 3270-3281.	2.2	37
29	New developments in post-translational modifications and functions of histone H2A variantsThis paper is one of a selection of papers published in this Special Issue, entitled CSBMCBâ€™s 51st Annual MeetingÂâ€“ Epigenetics and Chromatin Dynamics, and has undergone the Journalâ€™s usual peer review process.. Biochemistry and Cell Biology, 2009, 87, 7-17.	0.9	35
30	Semisynthesis of site-specifically succinylated histone reveals that succinylation regulates nucleosome unwrapping rate and DNA accessibility. Nucleic Acids Research, 2020, 48, 9538-9549.	6.5	34
31	Rice UV-damaged DNA binding protein homologues are most abundant in proliferating tissues. Gene, 2003, 308, 79-87.	1.0	33
32	Characterization of T-DNA Insertion Mutants and RNAi Silenced Plants of Arabidopsis thaliana UV-damaged DNA Binding Protein 2 (AtUV-DDB2). Plant Molecular Biology, 2006, 61, 227-240.	2.0	32
33	OsSEND-1: a new RAD2 nuclease family member in higher plants. Plant Molecular Biology, 2003, 51, 59-70.	2.0	31
34	Interaction between proliferating cell nuclear antigen (PCNA) and a DnaJ induced by DNA damage. Journal of Plant Research, 2005, 118, 91-97.	1.2	29
35	Characterization of DNA polymerase Î´ from a higher plant, rice (Oryza sativa L.). Gene, 2002, 295, 19-26.	1.0	27
36	Single cell transcriptomic landscapes of pattern formation, proliferation and growth in Drosophila wing imaginal discs. Development (Cambridge), 2019, 146, .	1.2	27

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37	Molecular cloning and characterization of a plant homologue of the origin recognition complex 1 (ORC1). Plant Science, 2000, 158, 33-39.	1.7	26
38	A novel protein refolding method using a zeolite. Analytical Biochemistry, 2006, 348, 307-314.	1.1	23
39	Characterization of Rad6 from a higher plant, rice (Oryza sativa L.) and its interaction with Sgt1, a subunit of the SCF ubiquitin ligase complex. Biochemical and Biophysical Research Communications, 2004, 314, 434-439.	1.0	22
40	Plant-specific regulation of replication proteinï¿½A2 (OsRPA2) from rice during the cell cycle and in response to ultraviolet light exposure. Planta, 2003, 217, 457-465.	1.6	17
41	Histone H4 variant, H4G, drives ribosomal RNA transcription and breast cancer cell proliferation by loosening nucleolar chromatin structure. Journal of Cellular Physiology, 2020, 235, 9601-9608.	2.0	17
42	Cancer-associated histone mutation H2BG53D disrupts DNAâ€“histone octamer interaction and promotes oncogenic phenotypes. Signal Transduction and Targeted Therapy, 2020, 5, 27.	7.1	17
43	The elevated transcription of ADAM19 by the oncohistone H2BE76K contributes to oncogenic properties in breast cancer. Journal of Biological Chemistry, 2021, 296, 100374.	1.6	17
44	Characterization of the origin recognition complex (ORC) from a higher plant, rice (Oryza sativa L.). Gene, 2005, 353, 23-30.	1.0	16
45	Probasin promoter assembles into a strongly positioned nucleosome that permits androgen receptor binding. Molecular and Cellular Endocrinology, 2007, 268, 10-19.	1.6	16
46	MBD4-Mediated Glycosylase Activity on a Chromatin Template Is Enhanced by Acetylation. Molecular and Cellular Biology, 2008, 28, 4734-4744.	1.1	15
47	Degradation of proliferating cell nuclear antigen by 26S proteasome in rice (Oryza sativa L.). Planta, 2004, 218, 640-646.	1.6	14
48	Primate-specific histone variants. Genome, 2021, 64, 337-346.	0.9	13
49	The H2BG53D oncohistone directly upregulates ANXA3 transcription and enhances cell migration in pancreatic ductal adenocarcinoma. Signal Transduction and Targeted Therapy, 2020, 5, 106.	7.1	12
50	Screen identifies DYRK1B network as mediator of transcription repression on damaged chromatin. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17019-17030.	3.3	12
51	Higher plant RecA-like protein is homologous to RadA. DNA Repair, 2006, 5, 80-88.	1.3	11
52	TEFM Enhances Transcription Elongation by Modifying mtRNAP Pausing Dynamics. Biophysical Journal, 2018, 115, 2295-2300.	0.2	9
53	Interaction between proliferating cell nuclear antigen and JUN-activation-domain-binding proteinÂ1 in the meristem of rice, Oryza sativa L.. Planta, 2003, 217, 175-183.	1.6	8
54	A plant homologue of 36 kDa subunit of replication factor C: molecular cloning and characterization. Plant Science, 2001, 161, 99-106.	1.7	7

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55	DNA Repair Mechanisms in UV-B Tolerant Plants. Japan Agricultural Research Quarterly, 2006, 40, 107-113.	0.1	7
56	Histone Variants and Posttranslational Modifications in Spermatogenesis and Infertility. , 2016, , 479-496.		2
57	Complete Dissection of Transcription Elongation Reveals Slow Translocation of RNA Polymerase II in a Linear Ratchet Mechanism. Biophysical Journal, 2014, 106, 485a-486a.	0.2	1
58	RECQL5 KIX domain splicing isoforms have distinct functions in transcription repression and DNA damage response. DNA Repair, 2021, 97, 103007.	1.3	1
59	Histone Variants. , 2010, , 2409-2425.		0
60	Dissecting the Nucleosomal Barrier to Transcription. Biophysical Journal, 2012, 102, 284a.	0.2	0
61	A Quantitative Kinetic Model of Eukaryotic Transcription Elongation from Single-Molecule Experiments. Biophysical Journal, 2013, 104, 364a.	0.2	0
62	The Characterization of Human Testis-Specific Histone Variant H2BFW on Nucleosome Stability and its Functional Role in Spermatogenesis. Biophysical Journal, 2020, 118, 378a.	0.2	0