Masahiko Harata

List of Publications by Year
in descending order

59 papers	1,859 citations	185998 28 h-index	276539 41 g-index
63 all docs	63 docs citations	63 times ranked	2021 citing authors

#	Article	IF	Citations
1	Characteristics and Potential of the Next-Generation Synchrotron Radiation Facility. Oleoscience, 2022, 22, 55-60.	0.0	0
2	The auxin-inducible degron 2 (AID2) system enables controlled protein knockdown during embryogenesis and development in Caenorhabditis elegans. Genetics, 2022, 220, .	1.2	22
3	Modulating dynamics and function of nuclear actin with synthetic bicyclic peptides. Journal of Biochemistry, 2021, 169, 295-302.	0.9	2
4	Nucleoskeleton proteins for nuclear dynamics. Journal of Biochemistry, 2021, 169, 237-241.	0.9	4
5	In Vitro-Evolved Peptides Bind Monomeric Actin and Mimic Actin-Binding Protein Thymosin-Î²4. ACS Chemical Biology, 2021, 16, 820-828.	1.6	2
6	THz irradiation inhibits cell division by affecting actin dynamics. PLoS ONE, 2021, 16, e0248381.	1.1	13
7	Analysis of the molecular evolution of histone variant H2A.Z using a linker-mediated complex strategy and yeast genetic complementation. Bioscience, Biotechnology and Biochemistry, 2021, , .	0.6	0
8	Impairment of nuclear F-actin formation and its relevance to cellular phenotypes in Hutchinson-Gilford progeria syndrome. Nucleus, 2020, 11, 250-263.	0.6	8
9	An improved functional analysis of linker-mediated complex (iFALC) strategy. Biochemical and Biophysical Research Communications, 2020, 526, 1164-1169.	1.0	4
10	Propagation of THz irradiation energy through aqueous layers: Demolition of actin filaments in living cells. Scientific Reports, 2020, 10, 9008.	1.6	42
11	The Actin-Family Protein Arp4 Is a Novel Suppressor for the Formation and Functions of Nuclear F-Actin. Cells, 2020, 9, 758.	1.8	10
12	Effect of mycalolides isolated from a marine sponge Mycale aff. nullarosette on actin in living cells. Scientific Reports, 2019, 9, 7540.	1.6	9
13	SUMO modification system facilitates the exchange of histone variant H2A.Z-2 at DNA damage sites. Nucleus, 2018, 9, 87-94.	0.6	20
14	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
15	Actin polymerization is activated by terahertz irradiation. Scientific Reports, 2018, 8, 9990.	1.6	50
16	Distinct roles of ATM and ATR in the regulation of ARP8 phosphorylation to prevent chromosome translocations. ELife, 2018, 7, .	2.8	6
17	Quantitative regulation of histone variant H2A.Z during cell cycle by ubiquitin proteasome system and SUMO-targeted ubiquitin ligases. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1557-1560.	0.6	7
18	Multivalent binding of PWWP2A to H2A.Z regulates mitosis and neural crest differentiation. EMBO Journal, 2017, 36, 2263-2279.	3.5	48

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19	Actin Family Proteins in the Human INO80 Chromatin Remodeling Complex Exhibit Functional Roles in the Induction of Heme Oxygenase-1 with Hemin. Frontiers in Genetics, 2017, 8, 17.	1.1	6
20	Genetic complementation analysis showed distinct contributions of the Nâ€terminal tail of H2A.Z to epigenetic regulations. Genes To Cells, 2016, 21, 122-135.	0.5	15
21	Nuclear F-actin enhances the transcriptional activity of Î²-catenin by increasing its nuclear localization and binding to chromatin. Histochemistry and Cell Biology, 2016, 145, 389-399.	0.8	33
22	The linker histone in Saccharomyces cerevisiae interacts with actin-related protein 4 and both regulate chromatin structure and cellular morphology. International Journal of Biochemistry and Cell Biology, 2015, 59, 182-192.	1.2	13
23	The actin family protein ARP6 contributes to the structure and the function of the nucleolus. Biochemical and Biophysical Research Communications, 2015, 464, 554-560.	1.0	14
24	Contribution of nuclear actin to transcription regulation. Genomics Data, 2015, 4, 127-129.	1.3	10
25	Nuclear actin activates human transcription factor genes including the OCT4 gene. Bioscience, Biotechnology and Biochemistry, 2015, 79, 242-246.	0.6	11
26	Reorganization of Damaged Chromatin by the Exchange of Histone Variant H2A.Z-2. International Journal of Radiation Oncology Biology Physics, 2014, 89, 736-744.	0.4	38
27	SWR1 and INO80 Chromatin Remodelers Contribute to DNA Double-Strand Break Perinuclear Anchorage Site Choice. Molecular Cell, 2014, 55, 626-639.	4.5	164
28	Nuclear actin filaments recruit cofilin and actin-related protein 3, and their formation is connected with a mitotic block. Histochemistry and Cell Biology, 2014, 142, 139-152.	0.8	27
29	DNA Binding Properties of the Actin-Related Protein Arp8 and Its Role in DNA Repair. PLoS ONE, 2014, 9, e108354.	1.1	16
30	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
31	The actin family member Arp6 and the histone variant H2A.Z are required for spatial positioning of chromatin in chicken cell nuclei.. Journal of Cell Science, 2012, 125, 3739-43.	1.2	12
32	Actin-related proteins localized in the nucleus. Nucleus, 2011, 2, 38-46.	0.6	39
33	Actin-related proteins localized in the nucleus: from discovery to novel roles in nuclear organization. Nucleus, 2011, 2, 38-46.	0.6	41
34	ATM Modulates the Loading of Recombination Proteins onto a Chromosomal Translocation Breakpoint Hotspot. PLoS ONE, 2010, 5, e13554.	1.1	15
35	Molecular mechanisms underlying nucleocytoplasmic shuttling of actinin-4. Journal of Cell Science, 2010, 123, 1020-1030.	1.2	47
36	Identification and characterization of the two isoforms of the vertebrate H2A.Z histone variant. Nucleic Acids Research, 2010, 38, 4263-4273.	6.5	52

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37	Actin-Related Protein Arp6 Influences H2A.Z-Dependent and -Independent Gene Expression and Links Ribosomal Protein Genes to Nuclear Pores. PLoS Genetics, 2010, 6, e1000910.	1.5	52
38	The human actin-related protein hArp5: Nucleo-cytoplasmic shuttling and involvement in DNA repair. Experimental Cell Research, 2009, 315, 206-217.	1.2	37
39	The nuclear actinâ€related protein Act3p/Arp4 influences yeast cell shape and bulk chromatin organization. Journal of Cellular Biochemistry, 2008, 104, 59-67.	1.2	25
40	The actin-related protein hArp8 accumulates on the mitotic chromosomes and functions in chromosome alignment. Experimental Cell Research, 2008, 314, 859-868.	1.2	28
41	Ino80 Chromatin Remodeling Complex Promotes Recovery of Stalled Replication Forks. Current Biology, 2008, 18, 566-575.	1.8	162
42	Actin-related protein Arp4 functions in kinetochore assembly. Nucleic Acids Research, 2007, 35, 3109-3117.	6.5	30
43	The INO80 complex is required for damage-induced recombination. Biochemical and Biophysical Research Communications, 2007, 355, 835-841.	1.0	34
44	Vertebrate Arp6, a novel nuclear actin-related protein, interacts with heterochromatin protein 1. European Journal of Cell Biology, 2006, 85, 411-421.	1.6	32
45	The nuclear actin-related protein Act3p/Arp4p is involved in the dynamics of chromatin-modulating complexes. Yeast, 2005, 22, 753-768.	0.8	37
46	Fission yeast Arp6 is required for telomere silencing, but functions independently of Swi6. Nucleic Acids Research, 2004, 32, 736-741.	6.5	20
47	The brain-specific actin-related protein ArpNÎ± interacts with the transcriptional co-repressor CtBP. Biochemical and Biophysical Research Communications, 2003, 301, 521-528.	1.0	19
48	Correlation between chromatin association and transcriptional regulation for the Act3p/Arp4 nuclear actin-related protein of Saccharomyces cerevisiae. Nucleic Acids Research, 2002, 30, 1743-1750.	6.5	39
49	Alternative Splicing Products of the Gene for a Human Nuclear Actin-related Protein, hArpNÎ²/Baf53, that Encode a Protein Isoform, hArpNÎ²S, in the Cytoplasm. Bioscience, Biotechnology and Biochemistry, 2002, 66, 1740-1743.	0.6	2
50	Brain-specific expression of the nuclear actin-related protein ArpNÎ± and its involvement in mammalian SWI/SNF chromatin remodeling complex. Biochemical and Biophysical Research Communications, 2002, 299, 328-334.	1.0	23
51	Novel actin-related proteins in vertebrates: similarities of structure and expression pattern to Arp6 localized on Drosophila heterochromatin. Gene, 2001, 268, 133-140.	1.0	36
52	Co-localization of chicken DNA topoisomerase IIÎ±, but not Î², with sites of DNA replication and possible involvement of a C-terminal region of Î± through its binding to PCNA. Chromosoma, 2001, 110, 102-114.	1.0	43
53	Absence of Z-chromosome inactivation for five genes in male chickens. Chromosome Research, 2001, 9, 457-468.	1.0	55
54	Identification of two cDNAs for human actin-related proteins (Arps) that have remarkable similarity to conventional actin. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2001, 1522, 130-133.	2.4	7

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55	The Nuclear Actin-related Protein ofSaccharomyces cerevisiae, Act3p/Arp4, Interacts with Core Histones. Molecular Biology of the Cell, 1999, 10, 2595-2605.	0.9	118
56	Two Isoforms of a Human Actin-Related Protein Show Nuclear Localization and Mutually Selective Expression between Brain and Other Tissues. Bioscience, Biotechnology and Biochemistry, 1999, 63, 917-923.	0.6	43
57	Purification and Nucleic-Acid-Binding Properties of a Saccharomyces Cerevisiae Protein Involved in the Control of Ploidy. FEBS Journal, 1997, 249, 309-317.	0.2	34
58	W-heterochromatin of chicken; its unusual DNA components, late replication, and chromatin structure. Genetica, 1993, 88, 93-105.	0.5	38
59	Presence of female-specific bent-repetitive DNA sequences in the genomes of turkey and pheasant and their interactions with W-protein of chicken. Chromosoma, 1989, 98, 250-258.	1.0	31