Naoko Imamoto

List of Publications by Year
in descending order

96 papers	8,303 citations	65103 42 h-index	50605 87 g-index
110 all docs	110 docs citations	110 times ranked	11844 citing authors

#	Article	IF	Citations
1	Single-nucleosome imaging unveils that condensins and nucleosomeâ€“nucleosome interactions differentially constrain chromatin to organize mitotic chromosomes. Nature Communications, 2024, 15, .	13.2	0
2	Functional analysis of Hikeshi reveals physiological significance of nuclear Hsp70. Current Opinion in Cell Biology, 2024, 91, 102426.	5.6	0
3	Lack of Hikeshi activates HSF1 activity under normal conditions and disturbs the heat-shock response. Life Science Alliance, 2022, 5, e202101241.	2.9	4
4	The intrinsically disordered Nâ€terminal region of mouse DNA polymerase alpha mediates its interaction with POT1a/b at telomeres. Genes To Cells, 2021, 26, 360-380.	1.3	6
5	Distinct mutations in importin-Î² family nucleocytoplasmic transport receptors transportin-SR and importin-13 affect specific cargo binding. Scientific Reports, 2021, 11, 15649.	3.4	5
6	Stochastic chromatin packing of 3D mitotic chromosomes revealed by coherent X-rays. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.6	5
7	Methods to separate nuclear soluble fractions reflecting localizations in living cells. IScience, 2021, 24, 103503.	4.1	9
8	Nuclear import of IER5 is mediated by a classical bipartite nuclear localization signal and is required for HSF1 full activation. Experimental Cell Research, 2020, 386, 111686.	2.6	7
9	Editorial overview: Cell nucleus. Current Opinion in Cell Biology, 2019, 58, iii-iv.	5.6	0
10	Heat stress-induced nuclear transport mediated by Hikeshi confers nuclear function of Hsp70s. Current Opinion in Cell Biology, 2018, 52, 82-87.	5.6	13
11	Ki-67 and condensins support the integrity of mitotic chromosomes through distinct mechanisms. Journal of Cell Science, 2018, 131, .	2.1	40
12	Y-box protein-associated acidic protein (YBAP1/C1QBP) affects the localization and cytoplasmic functions of YB-1. Scientific Reports, 2018, 8, 6198.	3.4	15
13	Regulating Î²-Catenin Nuclear Import with the Small GTPase Rap. Developmental Cell, 2018, 44, 135-136.	7.0	1
14	Nuclear transport adapts to varying heat stress in a multistep mechanism. Journal of Cell Biology, 2018, 217, 2341-2352.	5.2	14
15	Hikeshi modulates the proteotoxic stress response in human cells: Implication for the importance of the nuclear function of <scp>HSP</scp>70s. Genes To Cells, 2017, 22, 968-976.	1.3	9
16	The Mcm2â€“7-interacting domain of human mini-chromosome maintenance 10 (Mcm10) protein is important for stable chromatin association and origin firing. Journal of Biological Chemistry, 2017, 292, 13008-13021.	3.5	20
17	A statistical image analysis framework for pore-free islands derived from heterogeneity distribution of nuclear pore complexes. Scientific Reports, 2017, 7, 16315.	3.4	6
18	Effect of an Inhibitor of HSP70, YM-1, on Hikeshi Knockout Cells. Thermal Medicine, 2017, 33, 129-134.	0.1	1

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19	Extensive cargo identification reveals distinct biological roles of the 12 importin pathways. ELife, 2017, 6, .	5.9	80
20	ELYS regulates the localization of LBR by modulating its phosphorylation state. Journal of Cell Science, 2016, 129, 4200-4212.	2.1	28
21	Perichromosomal protein Ki67 supports mitotic chromosome architecture. Genes To Cells, 2016, 21, 1113-1124.	1.3	48
22	Leukoencephalopathy and early death associated with an Ashkenazi-Jewish founder mutation in the Hikeshi gene. Journal of Medical Genetics, 2016, 53, 132-137.	3.6	24
23	Structural and functional analysis of Hikeshi, a new nuclear transport receptor of Hsp70s. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 473-483.	2.4	10
24	Biallelic Mutations in Nuclear Pore Complex Subunit NUP107 Cause Early-Childhood-Onset Steroid-Resistant Nephrotic Syndrome. American Journal of Human Genetics, 2015, 97, 555-566.	6.1	97
25	Reconstitution of Nucleocytoplasmic Transport Using Digitonin-Permeabilized Cells. Methods in Molecular Biology, 2015, 1262, 291-303.	0.0	5
26	RAP55, a cytoplasmic mRNP component, represses translation in Xenopus oocytes. Journal of Biological Chemistry, 2014, 289, 20490.	3.5	1
27	Analysis of Nucleocytoplasmic Transport in Digitonin-Permeabilized Cells Under Different Cellular Conditions. Methods in Cell Biology, 2014, 122, 331-352.	2.1	3
28	Novel Approaches for the Identification of Nuclear Transport Receptor Substrates. Methods in Cell Biology, 2014, 122, 353-378.	2.1	9
29	Nucleocytoplasmic transport under stress conditions and its role in HSP70 chaperone systems. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 2953-2960.	2.5	29
30	Biological Significance of the Importinâ€Î² Familyâ€Dependent Nucleocytoplasmic Transport Pathways. Traffic, 2014, 15, 727-748.	3.0	128
31	Analytic 3D Imaging of Mammalian Nucleus at Nanoscale Using Coherent X-Rays and Optical Fluorescence Microscopy. Biophysical Journal, 2014, 107, 1074-1081.	0.5	25
32	Cell-Fusion Method to Visualize Interphase Nuclear Pore Formation. Methods in Cell Biology, 2014, 122, 239-254.	2.1	1
33	Ki67 Antigen Contributes to the Timely Accumulation of Protein Phosphatase 1Î³ on Anaphase Chromosomes. Journal of Biological Chemistry, 2014, 289, 22877-22887.	3.5	44
34	Control of Nuclear Size by NPC Proteins. Advances in Experimental Medicine and Biology, 2014, 773, 571-591.	0.0	4
35	Ki-67 is a PP1-interacting protein that organises the mitotic chromosome periphery. ELife, 2014, 3, e01641.	5.9	176
36	Cargo Recognition Explains Nuclear Transport Regulation Induced by Nuclear Pore Complex Reorganization. Journal of Molecular Biology, 2013, 425, 1849-1851.	4.3	1

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37	Identification of Cargo Proteins Specific for Importin-Î² with Importin-Î± Applying a Stable Isotope Labeling by Amino Acids in Cell Culture (SILAC)-based in Vitro Transport System*. Journal of Biological Chemistry, 2013, 288, 24540-24549.	3.5	28
38	Glaziovianin A Prevents Endosome Maturation via Inhibiting Microtubule Dynamics. ACS Chemical Biology, 2013, 8, 884-889.	3.6	18
39	Identification of Cargo Proteins Specific for the Nucleocytoplasmic Transport Carrier Transportin by Combination of an in Vitro Transport System and Stable Isotope Labeling by Amino Acids in Cell Culture (SILAC)-based Quantitative Proteomics. Molecular and Cellular Proteomics, 2013, 12, 145-157.	3.9	39
40	Regulation and coordination of nuclear envelope and nuclear pore complex assembly. Nucleus, 2013, 4, 105-114.	2.2	22
41	Heat-shock stress activates a novel nuclear import pathway mediated by Hikeshi. Nucleus, 2012, 3, 422-428.	2.2	20
42	Human mitotic chromosomes consist predominantly of irregularly folded nucleosome fibres without a 30-nm chromatin structure. EMBO Journal, 2012, 31, 1644-1653.	8.2	273
43	Nuclear pore dynamics during the cell cycle. Current Opinion in Cell Biology, 2012, 24, 453-459.	5.6	32
44	Hikeshi, a Nuclear Import Carrier for Hsp70s, Protects Cells from Heat Shock-Induced Nuclear Damage. Cell, 2012, 149, 578-589.	27.8	139
45	Local Nucleosome Dynamics Facilitate Chromatin Accessibility in Living Mammalian Cells. Cell Reports, 2012, 2, 1645-1656.	6.3	183
46	The nucleoporin ELYS/Mel28 regulates nuclear envelope subdomain formation in HeLa cells. Nucleus, 2012, 3, 187-199.	2.2	52
47	Glass capillary optics for producing nanometer sized beams and its applications. Surface and Coatings Technology, 2011, 206, 859-863.	4.9	33
48	Nuclear size, nuclear pore number and cell cycle. Nucleus, 2011, 2, 113-118.	2.2	42
49	Localization of Pom121 to the inner nuclear membrane is required for an early step of interphase nuclear pore complex assembly. Molecular Biology of the Cell, 2011, 22, 1058-1069.	2.5	82
50	Nuclear pore formation but not nuclear growth is governed by cyclin-dependent kinases (Cdks) during interphase. Nature Structural and Molecular Biology, 2010, 17, 1065-1071.	8.1	96
51	Live imaging system for visualizing nuclear pore complex (NPC) formation during interphase in mammalian cells. Genes To Cells, 2010, 15, 647-660.	1.3	9
52	Phosphorylation of nucleoporins. Nucleus, 2010, 1, 309-313.	2.2	17
53	Deficiency in Chromosome Congression by the Inhibition of Plk1 Polo Box Domain-dependent Recognition. Journal of Biological Chemistry, 2009, 284, 2344-2353.	3.5	102
54	Aberrant DNA Polymerase Î± Is Excluded from the Nucleus by Defective Import and Degradation in the Nucleus. Journal of Biological Chemistry, 2009, 284, 30604-30614.	3.5	5

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55	The Role of Hklp2 in the Stabilization and Maintenance of Spindle Bipolarity. Current Biology, 2009, 19, 1712-1717.	4.0	138
56	The transcriptional network that controls growth arrest and differentiation in a human myeloid leukemia cell line. Nature Genetics, 2009, 41, 553-562.	20.4	408
57	Phosphoproteomics reveals new ERK MAP kinase targets and links ERK to nucleoporin-mediated nuclear transport. Nature Structural and Molecular Biology, 2009, 16, 1026-1035.	8.1	149
58	The chromosomal association of condensin II is regulated by a noncatalytic function of PP2A. Nature Structural and Molecular Biology, 2009, 16, 1302-1308.	8.1	46
59	Three-Dimensional Visualization of a Human Chromosome Using Coherent X-Ray Diffraction. Physical Review Letters, 2009, 102, 018101.	8.0	270
60	Cohesin mediates transcriptional insulation by CCCTC-binding factor. Nature, 2008, 451, 796-801.	36.2	1,065
61	Highly inclined thin illumination enables clear single-molecule imaging in cells. Nature Methods, 2008, 5, 159-161.	19.6	1,155
62	Coenzyme Q10 as a potent compound that inhibits Cdt1â€“geminin interaction. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 203-213.	2.5	8
63	Importin-Î² and the small guanosine triphosphatase Ran mediate chromosome loading of the human chromokinesin Kid. Journal of Cell Biology, 2008, 180, 493-506.	5.2	53
64	Functional and structural basis of the nuclear localization signal in the ZIC3 zinc finger domain. Human Molecular Genetics, 2008, 17, 3459-3473.	3.0	54
65	Ion irradiation in liquid of Î¼m3 region for cell surgery. Applied Physics Letters, 2008, 92, .	3.2	78
66	Effect of Dehydroaltenusin-C12 Derivative, a Selective DNA Polymerase Î± Inhibitor, on DNA Replication in Cultured Cells. Molecules, 2008, 13, 2948-2961.	3.9	11
67	cHS4 Insulator-mediated Alleviation of Promoter Interference during Cell-based Expression of Tandemly Associated Transgenes. Journal of Molecular Biology, 2007, 374, 580-590.	4.3	36
68	Structural Basis for Substrate Recognition and Dissociation by Human Transportin 1. Molecular Cell, 2007, 28, 57-67.	9.6	76
69	RAP55, a Cytoplasmic mRNP Component, Represses Translation in Xenopus Oocytes. Journal of Biological Chemistry, 2006, 281, 40096-40106.	3.5	102
70	The Crystal Structure of Mouse Nup35 Reveals Atypical RNP Motifs and Novel Homodimerization of the RRM Domain. Journal of Molecular Biology, 2006, 363, 114-124.	4.3	48
71	Cell-cycle-dependent dynamics of nuclear pores: pore-free islands and lamins. Journal of Cell Science, 2006, 119, 4442-4451.	2.1	130
72	The 70-kD heat shock cognate protein (hsc70) facilitates the nuclear export of the import receptors. Journal of Cell Biology, 2005, 171, 19-25.	5.2	40

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73	Specific Monoclonal Antibody Against Nuclear Import Factor, Importin Î±1/Rch1. Hybridoma, 2004, 23, 301-304.	0.5	6
74	Heat-shock induced nuclear retention and recycling inhibition of importin alpha. Genes To Cells, 2004, 9, 429-441.	1.3	67
75	Molecular Cloning of a Novel Importin Î± Homologue from Rice, by Which Constitutive Photomorphogenic 1 (COP1) Nuclear Localization Signal (NLS)-Protein Is Preferentially Nuclear Imported. Journal of Biological Chemistry, 2001, 276, 9322-9329.	3.5	53
76	Recycling of Importin .ALPHA. from the Nucleus Is Suppressed by Loss of RCC1 Function in Living Mammalian Cells.. Cell Structure and Function, 2000, 25, 115-123.	1.2	19
77	The adoption of a twisted structure of importin-Î² is essential for the protein-protein interaction required for nuclear transport 1 1Edited by K. Nagai. Journal of Molecular Biology, 2000, 302, 251-264.	4.3	66
78	Diversity in Nucleocytoplasmic Transport Pathways.. Cell Structure and Function, 2000, 25, 207-216.	1.2	32
79	A Monoclonal Antibody to the COOH-terminal Acidic Portion of Ran Inhibits Both the Recycling of Ran and Nuclear Protein Import in Living Cells. Journal of Cell Biology, 1999, 144, 645-655.	5.2	57
80	Î²-Catenin Can Be Transported into the Nucleus in a Ran-unassisted Manner. Molecular Biology of the Cell, 1999, 10, 1119-1131.	2.5	232
81	Nuclear Import of Sterol Regulatory Elementâ€“binding Protein-2, a Basic Helix-Loop-Helixâ€“Leucine Zipper (bHLH-Zip)â€“containing Transcription Factor, Occurs through the Direct Interaction of Importin Î² with HLH-Zip. Molecular Biology of the Cell, 1999, 10, 2221-2233.	2.5	115
82	Î²-Subunit of Nuclear Pore-targeting Complex (Importin-Î²) Can Be Exported from the Nucleus in a Ran-independent Manner. Journal of Biological Chemistry, 1999, 274, 3946-3952.	3.5	54
83	Acinus is a caspase-3-activated protein required for apoptotic chromatin condensation. Nature, 1999, 401, 168-173.	36.2	402
84	CRM1 Mediates Nuclear Export of Nonstructural Protein 2 from Parvovirus Minute Virus of Mice. Biochemical and Biophysical Research Communications, 1999, 264, 144-150.	2.2	24
85	Mutations in fission yeast Cut15, an importin Î± homolog, lead to mitotic progression without chromosome condensation. Current Biology, 1998, 8, 1031-1036.	4.0	38
86	Nuclear transport factor p10/NTF2 functions as a Ranâ€“GDP dissociation inhibitor (Ran-GDI). Current Biology, 1998, 8, 1339-S2.	4.0	33
87	Functional Characterization of a Plant Importin Î± Homologue. Journal of Biological Chemistry, 1998, 273, 24083-24087.	3.5	32
88	Ran-unassisted Nuclear Migration of a 97-kD Component of Nuclear Poreâ€“targeting Complex. Journal of Cell Biology, 1997, 139, 841-849.	5.2	153
89	Differential Modes of Nuclear Localization Signal (NLS) Recognition by Three Distinct Classes of NLS Receptors. Journal of Biological Chemistry, 1997, 272, 26375-26381.	3.5	153
90	Essential role of active nuclear transport in apoptosis. Genes To Cells, 1997, 2, 55-64.	1.3	88

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91	A Karyophilic Protein Forms a Stable Complex with Cytoplasmic Components Prior to Nuclear Pore Binding. Journal of Biological Chemistry, 1995, 270, 8559-8565.	3.5	137
92	70-kDa Heat-Shock Cognate Protein Colocalizes with Karyophilic Proteins into the Nucleus during Their Transport in Vitro. Experimental Cell Research, 1993, 206, 134-142.	2.6	80
93	A long synthetic peptide containing a nuclear localization signal and its flanking sequences of SV40 T-antigen directs the transport of IgM into the nucleus efficiently. Experimental Cell Research, 1992, 201, 313-320.	2.6	62
94	A cortical cytoskeleton associated with phagosomes disclosed by a monoclonal antibody against capped membrane ofDictyostelium. Protoplasma, 1985, 128, 173-183.	2.2	3
95	Foreign protein can be carried into the nucleus of mammalian cell by conjugation with nucleoplasmin. Experimental Cell Research, 1985, 159, 419-429.	2.6	27
96	The interaction between the import carrier Hikeshi and <scp>HSP70</scp> is modulated by heat, facilitating the nuclear import of <scp>HSP70</scp> under heat stress conditions. Genes To Cells, 0, , .	1.3	0