

Shinichi Nakagawa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101
papers

7,936
citations

48
h-index

88
g-index

115
ext. papers

9,518
ext. citations

9
avg, IF

6.04
L-index

#	Paper	IF	Citations
101	MiR-150 Attenuates Maladaptive Cardiac Remodeling Mediated by Long Noncoding RNA MIAT and Directly Represses Profibrotic .. <i>Circulation: Heart Failure</i> , 2022 , CIRCHEARTFAILURE121008686	7.6	1
100	Paraspeckles are constructed as block copolymer micelles. <i>EMBO Journal</i> , 2021 , 40, e107270	13	7
99	The lncRNA Caren antagonizes heart failure by inactivating DNA damage response and activating mitochondrial biogenesis. <i>Nature Communications</i> , 2021 , 12, 2529	17.4	7
98	ArcRNAs and the formation of nuclear bodies. <i>Mammalian Genome</i> , 2021 , 1	3.2	0
97	Ablation of lncRNA attenuates pathological hypertrophy and heart failure. <i>Theranostics</i> , 2021 , 11, 7995-8007	4	4
96	A histone modifier, ASXL1, interacts with NONO and is involved in paraspeckle formation in hematopoietic cells. <i>Cell Reports</i> , 2021 , 36, 109576	10.6	7
95	Spliceostatin A interaction with SF3B limits U1 snRNP availability and causes premature cleavage and polyadenylation. <i>Cell Chemical Biology</i> , 2021 , 28, 1356-1365.e4	8.2	1
94	NEAT1 lncRNA and amyotrophic lateral sclerosis. <i>Neurochemistry International</i> , 2021 , 150, 105175	4.4	0
93	NEAT1 is essential for metabolic changes that promote breast cancer growth and metastasis. <i>Cell Metabolism</i> , 2021 , 33, 2380-2397.e9	24.6	10
92	Long non-coding RNA Neat1 regulates adaptive behavioural response to stress in mice. <i>Translational Psychiatry</i> , 2020 , 10, 171	8.6	14
91	What is the switch for coupling transcription and splicing? RNA Polymerase II C-terminal domain phosphorylation, phase separation and beyond. <i>Wiley Interdisciplinary Reviews RNA</i> , 2020 , 11, e1574	9.3	12
90	Forced isoform switching of Neat1_1 to Neat1_2 leads to the loss of Neat1_1 and the hyperformation of paraspeckles but does not affect the development and growth of mice. <i>Rna</i> , 2020 , 26, 251-264	5.8	16
89	Inhibition of the long non-coding RNA NEAT1 protects cardiomyocytes from hypoxia in vitro via decreased pri-miRNA processing. <i>Cell Death and Disease</i> , 2020 , 11, 677	9.8	9
88	The expression of long noncoding RNA NEAT1 is reduced in schizophrenia and modulates oligodendrocytes transcription. <i>NPJ Schizophrenia</i> , 2019 , 5, 3	5.5	31
87	Molecular anatomy of the architectural NEAT1 noncoding RNA: The domains, interactors, and biogenesis pathway required to build phase-separated nuclear paraspeckles. <i>Wiley Interdisciplinary Reviews RNA</i> , 2019 , 10, e1545	9.3	39
86	Long noncoding RNA NEAT1 modulates immune cell functions and is suppressed in early onset myocardial infarction patients. <i>Cardiovascular Research</i> , 2019 , 115, 1886-1906	9.9	51
85	Immune system-mediated atherosclerosis caused by deficiency of long non-coding RNA MALAT1 in ApoE ^{-/-} mice. <i>Cardiovascular Research</i> , 2019 , 115, 302-314	9.9	62

84	Mammalian NSUN2 introduces 5-methylcytidines into mitochondrial tRNAs. <i>Nucleic Acids Research</i> , 2019 , 47, 8734-8745	20.1	34
83	Creation of CRISPR-based germline-genome-engineered mice without ex vivo handling of zygotes by i-GONAD. <i>Nature Protocols</i> , 2019 , 14, 2452-2482	18.8	45
82	The long noncoding RNA is seemingly dispensable for normal tissue homeostasis and cancer cell growth. <i>Rna</i> , 2019 , 25, 1681-1695	5.8	20
81	Architectural RNAs for Membraneless Nuclear Body Formation. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2019 , 84, 227-237	3.9	26
80	Targeting epigenetics and non-coding RNAs in atherosclerosis: from mechanisms to therapeutics. <i>Pharmacology & Therapeutics</i> , 2019 , 196, 15-43	13.9	66
79	Cell Type-Specific Survey of Epigenetic Modifications by Tandem Chromatin Immunoprecipitation Sequencing. <i>Scientific Reports</i> , 2018 , 8, 1143	4.9	4
78	Paraspeckles: Where Long Noncoding RNA Meets Phase Separation. <i>Trends in Biochemical Sciences</i> , 2018 , 43, 124-135	10.3	197
77	Non-coding RNAs in cardiovascular diseases: diagnostic and therapeutic perspectives. <i>European Heart Journal</i> , 2018 , 39, 2704-2716	9.5	168
76	Long noncoding RNA (nuclear paraspeckle assembly transcript 1) is critical for phenotypic switching of vascular smooth muscle cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E8660-E8667	11.5	72
75	Functional Domains of NEAT1 Architectural lncRNA Induce Paraspeckle Assembly through Phase Separation. <i>Molecular Cell</i> , 2018 , 70, 1038-1053.e7	17.6	255
74	UPA-seq: prediction of functional lncRNAs using differential sensitivity to UV crosslinking. <i>Rna</i> , 2018 , 24, 1785-1802	5.8	4
73	Molecular dissection of nuclear paraspeckles: towards understanding the emerging world of the RNP milieu. <i>Open Biology</i> , 2018 , 8,	7	47
72	Long noncoding RNA MALAT1 suppresses breast cancer metastasis. <i>Nature Genetics</i> , 2018 , 50, 1705-1715	36.3	335
71	CO-sensitive tRNA modification associated with human mitochondrial disease. <i>Nature Communications</i> , 2018 , 9, 1875	17.4	50
70	Unusual semi-extractability as a hallmark of nuclear body-associated architectural noncoding RNAs. <i>EMBO Journal</i> , 2017 , 36, 1447-1462	13	66
69	regulates myogenic differentiation and muscle regeneration through modulating MyoD transcriptional activity. <i>Cell Discovery</i> , 2017 , 3, 17002	22.3	61
68	is a p53-inducible lincRNA essential for transformation suppression. <i>Genes and Development</i> , 2017 , 31, 1095-1108	12.6	124
67	MALAT1 long non-coding RNA in cancer. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016 , 1859, 192-9	6	151

66	Lessons from reverse-genetic studies of lncRNAs. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016 , 1859, 177-83	6	22
65	Structural, super-resolution microscopy analysis of paraspeckle nuclear body organization. <i>Journal of Cell Biology</i> , 2016 , 214, 817-30	7.3	179
64	Paraspeckles modulate the intranuclear distribution of paraspeckle-associated Ctn RNA. <i>Scientific Reports</i> , 2016 , 6, 34043	4.9	18
63	Long noncoding RNA MALAT1-derived mascRNA is involved in cardiovascular innate immunity. <i>Journal of Molecular Cell Biology</i> , 2016 , 8, 178-81	6.3	39
62	Natural antisense RNA promotes 3'end processing and maturation of MALAT1 lncRNA. <i>Nucleic Acids Research</i> , 2016 , 44, 2898-908	20.1	43
61	Long Non-Coding RNA Malat-1 Is Dispensable during Pressure Overload-Induced Cardiac Remodeling and Failure in Mice. <i>PLoS ONE</i> , 2016 , 11, e0150236	3.7	34
60	p53 induces formation of NEAT1 lncRNA-containing paraspeckles that modulate replication stress response and chemosensitivity. <i>Nature Medicine</i> , 2016 , 22, 861-8	50.5	271
59	Gomafu lncRNA knockout mice exhibit mild hyperactivity with enhanced responsiveness to the psychostimulant methamphetamine. <i>Scientific Reports</i> , 2016 , 6, 27204	4.9	37
58	Misregulation of an Activity-Dependent Splicing Network as a Common Mechanism Underlying Autism Spectrum Disorders. <i>Molecular Cell</i> , 2016 , 64, 1023-1034	17.6	81
57	Simultaneous multicolor detection of RNA and proteins using super-resolution microscopy. <i>Methods</i> , 2016 , 98, 158-165	4.6	24
56	Control of Chromosomal Localization of Xist by hnRNP U Family Molecules. <i>Developmental Cell</i> , 2016 , 39, 11-12	10.2	34
55	Regulation of gene expression via retrotransposon insertions and the noncoding RNA 4.5S RNAH. <i>Genes To Cells</i> , 2015 , 20, 887-901	2.3	8
54	Xist Exon 7 Contributes to the Stable Localization of Xist RNA on the Inactive X-Chromosome. <i>PLoS Genetics</i> , 2015 , 11, e1005430	6	34
53	Analysis of the subcellular distribution of RNA by fluorescence in situ hybridization. <i>Methods in Molecular Biology</i> , 2015 , 1206, 107-22	1.4	2
52	Super-resolution imaging of nuclear bodies by STED microscopy. <i>Methods in Molecular Biology</i> , 2015 , 1262, 21-35	1.4	7
51	Gathering around Firre. <i>Nature Structural and Molecular Biology</i> , 2014 , 21, 207-8	17.6	8
50	Nuclear lncRNAs as epigenetic regulators-beyond skepticism. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2014 , 1839, 215-22	6	54
49	Formation of nuclear bodies by the lncRNA Gomafu-associating proteins Celf3 and SF1. <i>Genes To Cells</i> , 2014 , 19, 704-21	2.3	50

48	Yb integrates piRNA intermediates and processing factors into perinuclear bodies to enhance piRISC assembly. <i>Cell Reports</i> , 2014 , 8, 103-13	10.6	55
47	The long non-coding RNA Gomafu is acutely regulated in response to neuronal activation and involved in schizophrenia-associated alternative splicing. <i>Molecular Psychiatry</i> , 2014 , 19, 486-94	15.1	302
46	The lncRNA Neat1 is required for corpus luteum formation and the establishment of pregnancy in a subpopulation of mice. <i>Development (Cambridge)</i> , 2014 , 141, 4618-27	6.6	164
45	The oestrogen receptor alpha-regulated lncRNA NEAT1 is a critical modulator of prostate cancer. <i>Nature Communications</i> , 2014 , 5, 5383	17.4	432
44	The long noncoding RNA Neat1 is required for mammary gland development and lactation. <i>Rna</i> , 2014 , 20, 1844-9	5.8	130
43	NEAT1 long noncoding RNA regulates transcription via protein sequestration within subnuclear bodies. <i>Molecular Biology of the Cell</i> , 2014 , 25, 169-83	3.5	292
42	The long non-coding RNA nuclear-enriched abundant transcript 1_2 induces paraspeckle formation in the motor neuron during the early phase of amyotrophic lateral sclerosis. <i>Molecular Brain</i> , 2013 , 6, 31	4.5	165
41	Paraspeckle nuclear bodies--useful uselessness?. <i>Cellular and Molecular Life Sciences</i> , 2012 , 69, 3027-36	10.3	76
40	Long non-coding RNAs in nuclear bodies. <i>Development Growth and Differentiation</i> , 2012 , 54, 44-54	3	97
39	Alternative 3'end processing of long noncoding RNA initiates construction of nuclear paraspeckles. <i>EMBO Journal</i> , 2012 , 31, 4020-34	13	265
38	Malat1 is not an essential component of nuclear speckles in mice. <i>Rna</i> , 2012 , 18, 1487-99	5.8	248
37	Paraspeckles: possible nuclear hubs by the RNA for the RNA. <i>Biomolecular Concepts</i> , 2012 , 3, 415-28	3.7	6
36	Competition between a noncoding exon and introns: Gomafu contains tandem UACUAAC repeats and associates with splicing factor-1. <i>Genes To Cells</i> , 2011 , 16, 479-90	2.3	121
35	eXIST with matrix-associated proteins. <i>Trends in Cell Biology</i> , 2011 , 21, 321-7	18.3	13
34	Tsukushi functions as a Wnt signaling inhibitor by competing with Wnt2b for binding to transmembrane protein Frizzled4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 14962-7	11.5	41
33	Revisiting the function of nuclear scaffold/matrix binding proteins in X chromosome inactivation. <i>RNA Biology</i> , 2011 , 8, 735-9	4.8	8
32	Paraspeckles are subpopulation-specific nuclear bodies that are not essential in mice. <i>Journal of Cell Biology</i> , 2011 , 193, 31-9	7.3	221
31	Ectopic Mitf in the embryonic chick retina by co-transfection of β -catenin and Otx2 2010 , 51, 5328-35		28

30	The matrix protein hnRNP U is required for chromosomal localization of Xist RNA. <i>Developmental Cell</i> , 2010 , 19, 469-76	10.2	282
29	Cath6, a bHLH atonal family proneural gene, negatively regulates neuronal differentiation in the retina. <i>Developmental Dynamics</i> , 2010 , 239, 2492-500	2.9	6
28	Hairy1 acts as a node downstream of Wnt signaling to maintain retinal stem cell-like progenitor cells in the chick ciliary marginal zone. <i>Development (Cambridge)</i> , 2009 , 136, 1823-33	6.6	32
27	LIM family transcription factors regulate the subtype-specific morphogenesis of retinal horizontal cells at post-migratory stages. <i>Developmental Biology</i> , 2009 , 330, 318-28	3.1	25
26	Wnt signaling in retinal stem cells and regeneration. <i>Development Growth and Differentiation</i> , 2008 , 50, 245-51	3	18
25	Transposon-mediated stable integration and tetracycline-inducible expression of electroporated transgenes in chicken embryos. <i>Methods in Cell Biology</i> , 2008 , 87, 271-80	1.8	20
24	Melanocortin 2 receptor is required for adrenal gland development, steroidogenesis, and neonatal gluconeogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 18205-10	11.5	116
23	The mRNA-like noncoding RNA Gomafu constitutes a novel nuclear domain in a subset of neurons. <i>Journal of Cell Science</i> , 2007 , 120, 2498-506	5.3	255
22	Tet-on inducible system combined with in ovo electroporation dissects multiple roles of genes in somitogenesis of chicken embryos. <i>Developmental Biology</i> , 2007 , 305, 625-36	3.1	91
21	Stable integration and conditional expression of electroporated transgenes in chicken embryos. <i>Developmental Biology</i> , 2007 , 305, 616-24	3.1	200
20	Cadherin is required for dendritic morphogenesis and synaptic terminal organization of retinal horizontal cells. <i>Development (Cambridge)</i> , 2006 , 133, 4085-96	6.6	55
19	Embryonic stem cells that differentiate into RPE cell precursors in vitro develop into RPE cell monolayers in vivo. <i>Experimental Eye Research</i> , 2006 , 82, 265-74	3.7	52
18	Wnt2b inhibits differentiation of retinal progenitor cells in the absence of Notch activity by downregulating the expression of proneural genes. <i>Development (Cambridge)</i> , 2005 , 132, 2759-70	6.6	97
17	Identification of a nonchordate-type classic cadherin in vertebrates: chicken Hz-cadherin is expressed in horizontal cells of the neural retina and contains a nonchordate-specific domain complex. <i>Developmental Dynamics</i> , 2004 , 229, 899-906	2.9	29
16	Wnt2b controls retinal cell differentiation at the ciliary marginal zone. <i>Development (Cambridge)</i> , 2003 , 130, 587-98	6.6	166
15	Identification of the laminar-inducing factor: Wnt-signal from the anterior rim induces correct laminar formation of the neural retina in vitro. <i>Developmental Biology</i> , 2003 , 260, 414-25	3.1	56
14	Morphologic fate of diencephalic prosomeres and their subdivisions revealed by mapping cadherin expression. <i>Journal of Comparative Neurology</i> , 2000 , 421, 481-514	3.4	97
13	Blockade of cadherin-6B activity perturbs the distribution of PSD-95 family proteins in retinal neurones. <i>Genes To Cells</i> , 2000 , 5, 309-18	2.3	21

12	Ephrin-B regulates the Ipsilateral routing of retinal axons at the optic chiasm. <i>Neuron</i> , 2000 , 25, 599-610	13.9	155
11	Patterning of cell assemblies regulated by adhesion receptors of the cadherin superfamily. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000 , 355, 885-90	5.8	63
10	p120(ctn) acts as an inhibitory regulator of cadherin function in colon carcinoma cells. <i>Journal of Cell Biology</i> , 1999 , 145, 551-62	7.3	200
9	The metamorphosis antidote. <i>Neuron</i> , 1999 , 24, 763-4	13.9	
8	Combinatorial expression of cadherins in the tectum and the sorting of neurites in the tectofugal pathways of the chicken embryo. <i>Neuroscience</i> , 1999 , 90, 985-1000	3.9	64
7	Selective aggregation assays for embryonic brain cells and cell lines. <i>Current Topics in Developmental Biology</i> , 1998 , 36, 197-210	5.3	5
6	Cadherin expression in the retina and retinofugal pathways of the chicken embryo 1998 , 396, 20-38		84
5	Cadherin-defined segments and parasagittal cell ribbons in the developing chicken cerebellum. <i>Molecular and Cellular Neurosciences</i> , 1998 , 10, 211-28	4.8	82
4	N-cadherin is crucial for heart formation in the chick embryo. <i>Development Growth and Differentiation</i> , 1997 , 39, 451-5	3	22
3	Reexamination of the properties of epimorphin and its possible roles. <i>Cell</i> , 1993 , 73, 426-7	56.2	26
2	Paraspeckles are constructed as block copolymer micelles through microphase separation		1
1	Forced isoform switching of Neat1_1 to Neat1_2 leads to the loss of Neat1_1 and the hyperformation of paraspeckles but does not affect the development and growth of mice		2