Hiroshi Nishina

List of Publications by Year
in descending order

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115 papers	5,528 citations	94269 37 h-index	85405 71 g-index
121 all docs	121 docs citations	121 times ranked	7644 citing authors

#	Article	IF	Citations
1	Negative regulation of lymphocyte activation and autoimmunity by the molecular adaptor Cbl-b. Nature, 2000, 403, 211-216.	13.7	623
2	Transplantation of bone marrow cells reduces CCl4-induced liver fibrosis in mice. Hepatology, 2004, 40, 1304-1311.	3.6	521
3	Stress-signalling kinase Sek1 protects thymocytes from apoptosis mediated by CD95 and CD3. Nature, 1997, 385, 350-353.	13.7	339
4	YAP is essential for tissue tension to ensure vertebrate 3D body shape. Nature, 2015, 521, 217-221.	13.7	237
5	A Global In Vivo Drosophila RNAi Screen Identifies NOT3 as a Conserved Regulator of Heart Function. Cell, 2010, 141, 142-153.	13.5	199
6	An In Vivo Model for Monitoring Trans-Differentiation of Bone Marrow Cells into Functional Hepatocytes. Journal of Biochemistry, 2003, 134, 551-558.	0.9	158
7	Dysregulated YAP1/TAZ and TGF-Î² signaling mediate hepatocarcinogenesis in Mob1a/1b -deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E71-80.	3.3	158
8	A cell-based assay to screen stimulators of the Hippo pathway reveals the inhibitory effect of dobutamine on the YAP-dependent gene transcription. Journal of Biochemistry, 2011, 150, 199-208.	0.9	153
9	MKK7 couples stress signalling to G2/M cell-cycle progression and cellular senescence. Nature Cell Biology, 2004, 6, 215-226.	4.6	134
10	Control of the Hippo Pathway by Set7-Dependent Methylation of Yap. Developmental Cell, 2013, 26, 188-194.	3.1	130
11	Impaired CD28-mediated Interleukin 2 Production and Proliferation in Stress Kinase SAPK/ERK1 Kinase (SEK1)/Mitogen-activated Protein Kinase Kinase 4 (MKK4)-deficient T Lymphocytes. Journal of Experimental Medicine, 1997, 186, 941-953.	4.2	126
12	A systematic genome-wide screen for mutations affecting organogenesis in Medaka, Oryzias latipes. Mechanisms of Development, 2004, 121, 647-658.	1.7	126
13	Cancer susceptibility and embryonic lethality in Mob1a/1b double-mutant mice. Journal of Clinical Investigation, 2012, 122, 4505-4518.	3.9	125
14	SEK1/MKK4-Mediated SAPK/JNK Signaling Participates in Embryonic Hepatoblast Proliferation via a Pathway Different from NF-ÎºB-Induced Anti-Apoptosis. Developmental Biology, 2002, 250, 332-347.	0.9	110
15	Autotaxin Regulates Vascular Development via Multiple Lysophosphatidic Acid (LPA) Receptors in Zebrafish. Journal of Biological Chemistry, 2011, 286, 43972-43983.	1.6	80
16	The expanding role of fish models in understanding non-alcoholic fatty liver disease. DMM Disease Models and Mechanisms, 2013, 6, 905-14.	1.2	78
17	YAP1 is a potent driver of the onset and progression of oral squamous cell carcinoma. Science Advances, 2020, 6, eaay3324.	4.7	75
18	Activation of the c-Jun N-Terminal Kinase Pathway by MST1 Is Essential and Sufficient for the Induction of Chromatin Condensation during Apoptosis. Molecular and Cellular Biology, 2007, 27, 5514-5522.	1.1	74

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19	A Novel Acetylation Cycle of Transcription Co-activator Yes-associated Protein That Is Downstream of Hippo Pathway Is Triggered in Response to SN2 Alkylating Agents. Journal of Biological Chemistry, 2012, 287, 22089-22098.	1.6	71
20	Different Properties of SEK1 and MKK7 in Dual Phosphorylation of Stress-induced Activated Protein Kinase SAPK/JNK in Embryonic Stem Cells. Journal of Biological Chemistry, 2003, 278, 16595-16601.	1.6	65
21	Diverse Roles of JNK and MKK Pathways in the Brain. Journal of Signal Transduction, 2012, 2012, 1-9.	2.0	65
22	Stress-Activated Protein Kinase MKK7 Regulates Axon Elongation in the Developing Cerebral Cortex. Journal of Neuroscience, 2011, 31, 16872-16883.	1.7	64
23	The PDZ-binding motif of Yes-associated protein is required for its co-activation of TEAD-mediated CTGF transcription and oncogenic cell transforming activity. Biochemical and Biophysical Research Communications, 2014, 443, 917-923.	1.0	60
24	Medaka as a model for human nonalcoholic steatohepatitis. DMM Disease Models and Mechanisms, 2010, 3, 431-440.	1.2	59
25	Liver development and regeneration: From laboratory study to clinical therapy. Development Growth and Differentiation, 2007, 49, 163-170.	0.6	55
26	Human Papillomavirus 16 E6 Upregulates APOBEC3B via the TEAD Transcription Factor. Journal of Virology, 2017, 91, .	1.5	54
27	Common light signaling pathways controlling DNA repair and circadian clock entrainment in zebrafish. Cell Cycle, 2009, 8, 2794-2801.	1.3	50
28	MDCK cells expressing constitutively active Yes-associated protein (YAP) undergo apical extrusion depending on neighboring cell status. Scientific Reports, 2016, 6, 28383.	1.6	50
29	Loss of Mob1a/b in mice results in chondrodysplasia due to YAP1/TAZ-TEADs-dependent repression of SOX9. Development (Cambridge), 2018, 145, .	1.2	50
30	A subpopulation of bone marrow cells depleted by a novel antibody, anti-Liv8, is useful for cell therapy to repair damaged liver. Biochemical and Biophysical Research Communications, 2004, 313, 1110-1118.	1.0	47
31	Screening with a Novel Cell-Based Assay for TAZ Activators Identifies a Compound That Enhances Myogenesis in C2C12 Cells and Facilitates Muscle Repair in a Muscle Injury Model. Molecular and Cellular Biology, 2014, 34, 1607-1621.	1.1	47
32	Mice lacking Dok-1, Dok-2, and Dok-3 succumb to aggressive histiocytic sarcoma. Laboratory Investigation, 2010, 90, 1357-1364.	1.7	45
33	Modulation of anti-cancer drug sensitivity through the regulation of mitochondrial activity by adenylate kinase 4. Journal of Experimental and Clinical Cancer Research, 2016, 35, 48.	3.5	45
34	Growth Cone Phosphoproteomics Reveals that GAP-43 Phosphorylated by JNK Is a Marker of Axon Growth and Regeneration. IScience, 2018, 4, 190-203.	1.9	44
35	The Hippo Pathway Controls a Switch between Retinal Progenitor Cell Proliferation and Photoreceptor Cell Differentiation in Zebrafish. PLoS ONE, 2014, 9, e97365.	1.1	43
36	Diverse Physiological Functions of MKK4 and MKK7 during Early Embryogenesis. Journal of Biochemistry, 2010, 148, 393-401.	0.9	42

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37	p38 Mitogen-Activated Protein Kinase Controls a Switch Between Cardiomyocyte and Neuronal Commitment of Murine Embryonic Stem Cells by Activating Myocyte Enhancer Factor 2C-Dependent Bone Morphogenetic Protein 2 Transcription. Stem Cells and Development, 2010, 19, 1723-1734.	1.1	41
38	YAP determines the cell fate of injured mouse hepatocytes in vivo. Nature Communications, 2017, 8, 16017.	5.8	40
39	Endosomal phosphatidylserine is critical for the YAP signalling pathway in proliferating cells. Nature Communications, 2017, 8, 1246.	5.8	36
40	Mutations affecting liver development and function in Medaka, Oryzias latipes, screened by multiple criteria. Mechanisms of Development, 2004, 121, 791-802.	1.7	35
41	A Common Origin: Signaling Similarities in the Regulation of the Circadian Clock and DNA Damage Responses. Biological and Pharmaceutical Bulletin, 2010, 33, 535-544.	0.6	35
42	Telmisartan improves nonalcoholic steatohepatitis in medaka (Oryzias latipes) by reducing macrophage infiltration and fat accumulation. Cell and Tissue Research, 2011, 344, 125-134.	1.5	35
43	Status and Prospects of Liver Cirrhosis Treatment by Using Bone Marrow-Derived Cells and Mesenchymal Cells. Tissue Engineering - Part B: Reviews, 2014, 20, 206-210.	2.5	33
44	Blockage by SP600125 of FcÂ Receptor-Induced Degranulation and Cytokine Gene Expression in Mast Cells is Mediated Through Inhibition of Phosphatidylinositol 3-Kinase Signalling Pathway. Journal of Biochemistry, 2009, 145, 345-354.	0.9	31
45	Prospective Isolation and Characterization of Bipotent Progenitor Cells in Early Mouse Liver Development. Stem Cells and Development, 2012, 21, 1124-1133.	1.1	31
46	Retinoic acid signaling positively regulates liver specification by inducingwnt2bbgene expression in medaka. Hepatology, 2010, 51, 1037-1045.	3.6	28
47	SEK1/MKK4-mediated SAPK/JNK signaling participates in embryonic hepatoblast proliferation via a pathway different from NF-kappaB-induced anti-apoptosis. Developmental Biology, 2002, 250, 332-47.	0.9	28
48	Negative regulation of wnt11 expression by Jnk signaling during zebrafish gastrulation. Journal of Cellular Biochemistry, 2010, 110, 1022-1037.	1.2	27
49	A cell-based screening for TAZ activators identifies ethacridine, a widely used antiseptic and abortifacient, as a compound that promotes dephosphorylation of TAZ and inhibits adipogenesis in C3H10T1/2 cells. Journal of Biochemistry, 2015, 158, 413-423.	0.9	27
50	Filamin associates with stress signalling kinases MKK7 and MKK4 and regulates JNK activation. Biochemical Journal, 2010, 427, 237-245.	1.7	26
51	Genetically Encoded Fluorescent Probe for Imaging Apoptosis in Vivo with Spontaneous GFP Complementation. Analytical Chemistry, 2016, 88, 838-844.	3.2	24
52	Endogenous YAP1 activation drives immediate onset of cervical carcinoma in situ in mice. Cancer Science, 2020, 111, 3576-3587.	1.7	24
53	Targeted DNA demethylation of the Fgf21 promoter by CRISPR/dCas9-mediated epigenome editing. Scientific Reports, 2020, 10, 5181.	1.6	23
54	Splenectomy enhances the anti-fibrotic effect of bone marrow cell infusion and improves liver function in cirrhotic mice and patients. Journal of Gastroenterology, 2012, 47, 300-312.	2.3	22

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55	Novel YAP1 Activator, Identified by Transcription-Based Functional Screen, Limits Multiple Myeloma Growth. Molecular Cancer Research, 2018, 16, 197-211.	1.5	22
56	The clock components Period2, Cryptochrome1a, and Cryptochrome2a function in establishing light-dependent behavioral rhythms and/or total activity levels in zebrafish. Scientific Reports, 2019, 9, 196.	1.6	22
57	Stress Induces Mitochondria-mediated Apoptosis Independent of SAPK/JNK Activation in Embryonic Stem Cells. Journal of Biological Chemistry, 2004, 279, 1621-1626.	1.6	21
58	Involvement of Stress Kinase Mitogen-activated Protein Kinase Kinase 7 in Regulation of Mammalian Circadian Clock. Journal of Biological Chemistry, 2012, 287, 8318-8326.	1.6	21
59	Pax6-5a Promotes Neuronal Differentiation of Murine Embryonic Stem Cells. Biological and Pharmaceutical Bulletin, 2009, 32, 999-1003.	0.6	19
60	Establishment of Functioning Human Corneal Endothelial Cell Line with High Growth Potential. PLoS ONE, 2012, 7, e29677.	1.1	19
61	Diphenyleneiodonium Chloride, an Inhibitor of Reduced Nicotinamide Adenine Dinucleotide Phosphate Oxidase, Suppresses Light-Dependent Induction of Clock and DNA Repair Genes in Zebrafish. Biological and Pharmaceutical Bulletin, 2011, 34, 1343-1347.	0.6	18
62	Age-dependent motor dysfunction due to neuron-specific disruption of stress-activated protein kinase MKK7. Scientific Reports, 2017, 7, 7348.	1.6	17
63	Alantolactone is a natural product that potently inhibits YAP1/TAZ through promotion of reactive oxygen species accumulation. Cancer Science, 2021, 112, 4303-4316.	1.7	17
64	Physiological and pathological roles of the Hippoâ€¥YAP/TAZ signaling pathway in liver formation, homeostasis, and tumorigenesis. Cancer Science, 2022, 113, 1900-1908.	1.7	17
65	Hematopoiesis-dependent expression of CD44 in murine hepatic progenitor cells. Biochemical and Biophysical Research Communications, 2009, 379, 817-823.	1.0	16
66	Imaging mass spectrometry reveals characteristic changes in triglyceride and phospholipid species in regenerating mouse liver. Biochemical and Biophysical Research Communications, 2011, 408, 120-125.	1.0	16
67	Overexpression of autotaxin, a lysophosphatidic acid-producing enzyme, enhances cardia bifida induced by hypo-sphingosine-1-phosphate signaling in zebrafish embryo. Journal of Biochemistry, 2014, 155, 235-241.	0.9	15
68	Inhibition of sodium glucose cotransporter 2 (<scp>SGLT</scp>2) delays liver fibrosis in a medaka model of nonalcoholic steatohepatitis (<scp>NASH</scp>). FEBS Open Bio, 2019, 9, 643-652.	1.0	15
69	Liver development: lessons from knockout mice and mutant fish. Hepatology Research, 2009, 39, 633-644.	1.8	14
70	hDlk-1: a cell surface marker common to normal hepatic stem/progenitor cells and carcinomas. Journal of Biochemistry, 2012, 152, 121-123.	0.9	14
71	RhoA activation participates in rearrangement of processing bodies and release of nucleated AU-rich mRNAs. Nucleic Acids Research, 2011, 39, 3446-3457.	6.5	13
72	Granulocyte Colony-Stimulating Factor and Interleukin-1Î² are Important Cytokines in Repair of the Cirrhotic Liver after Bone Marrow Cell Infusion: Comparison of Humans and Model Mice. Cell Transplantation, 2012, 21, 2363-2375.	1.2	13

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73	Ezetimibe reduces fatty acid quantity in liver and decreased inflammatory cell infiltration and improved NASH in medaka model. Biochemical and Biophysical Research Communications, 2012, 422, 22-27.	1.0	13
74	Hippo pathway controls cell adhesion and contextâ€dependent cell competition to influence skin engraftment efficiency. FASEB Journal, 2019, 33, 5548-5560.	0.2	13
75	Effect of Diphtheria Toxin-Based Gene Therapy for Hepatocellular Carcinoma. Cancers, 2020, 12, 472.	1.7	13
76	Hippo-TAZ signaling is the master regulator of the onset of triple-negative basal-like breast cancers. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	13
77	The LIM protein Ajuba is required for ciliogenesis and leftâ€“right axis determination in medaka. Biochemical and Biophysical Research Communications, 2010, 396, 887-893.	1.0	12
78	Effect of a neural relay on liver regeneration in mice: activation of serotonin release from the gastrointestinal tract. FEBS Open Bio, 2018, 8, 449-460.	1.0	12
79	Prostaglandin E₂ and its receptor EP2 trigger signaling that contributes to YAPâ€mediated cell competition. Genes To Cells, 2020, 25, 197-214.	0.5	12
80	Puromycin-based purification of cells with high expression of the cytochrome P450 CYP3A4 gene from a patient with drug-induced liver injury (DILI). Stem Cell Research and Therapy, 2022, 13, 6.	2.4	11
81	A Modified Murine Embryonic Stem Cell Test for Evaluating the Teratogenic Effects of Drugs on Early Embryogenesis. PLoS ONE, 2015, 10, e0145286.	1.1	10
82	Extracellular acidification activates ovarian cancer G-protein-coupled receptor 1 and GPR4 homologs of zebra fish. Biochemical and Biophysical Research Communications, 2015, 457, 493-499.	1.0	10
83	The Hippo-YAP Pathway Regulates 3D Organ Formation and Homeostasis. Cancers, 2018, 10, 122.	1.7	10
84	CrxOS maintains the self-renewal capacity of murine embryonic stem cells. Biochemical and Biophysical Research Communications, 2009, 390, 1129-1135.	1.0	9
85	Manganese and cobalt activate zebrafish ovarian cancer G-protein-coupled receptor 1 but not GPR4. Journal of Receptor and Signal Transduction Research, 2017, 37, 401-408.	1.3	9
86	Effect of histidine on sorafenib-induced vascular damage: Analysis using novel medaka fish model. Biochemical and Biophysical Research Communications, 2018, 496, 556-561.	1.0	9
87	Light, Reactive Oxygen Species, and Magnetic Fields Activating ERK/MAPK Signaling Pathway in Cultured Zebrafish Cells. Applied Magnetic Resonance, 2012, 42, 69-77.	0.6	8
88	Acetylcholine receptors regulate gene expression that is essential for primitive streak formation in murine embryoid bodies. Biochemical and Biophysical Research Communications, 2013, 435, 447-453.	1.0	8
89	The mevalonate pathway regulates primitive streak formation via protein farnesylation. Scientific Reports, 2016, 6, 37697.	1.6	8
90	The Light-Inducible Genes Per2, Cry1a, and Cry2a Regulate Oxidative Status in Zebrafish. Biological and Pharmaceutical Bulletin, 2021, 44, 1160-1165.	0.6	8

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91	TNFR1-mediated signaling is important to induce the improvement of liver fibrosis by bone marrow cell infusion. Cell and Tissue Research, 2011, 346, 79-88.	1.5	7
92	SLC7 family transporters control the establishment of left-right asymmetry during organogenesis in medaka by activating mTOR signaling. Biochemical and Biophysical Research Communications, 2016, 474, 146-153.	1.0	7
93	CSE1L promotes nuclear accumulation of transcriptional coactivator TAZ and enhances invasiveness of human cancerÂcells. Journal of Biological Chemistry, 2021, 297, 100803.	1.6	7
94	Validation of chemical compound library screening for transcriptional coâ€activator with <scp>PDZ</scp>â€binding motif inhibitors using <scp>GFP</scp>â€fused transcriptional coâ€activator with <scp>PDZ</scp>â€binding motif. Cancer Science, 2016, 107, 791-802.	1.7	6
95	<scp>YAP</scp> is essential for 3D organogenesis withstanding gravity. Development Growth and Differentiation, 2017, 59, 52-58.	0.6	6
96	Inhibition of sodiumâ€glucose cotransporter 2 ameliorates renal injury in a novel medaka model of nonalcoholic steatohepatitisâ€related kidney disease. FEBS Open Bio, 2019, 9, 2016-2024.	1.0	6
97	YAP drives cell competition by activating choline metabolism. Biochemical and Biophysical Research Communications, 2021, 572, 178-184.	1.0	6
98	Evidence for a Role of the Transcriptional Regulator Maid in Tumorigenesis and Aging. PLoS ONE, 2015, 10, e0129950.	1.1	5
99	Hepatocyte Mitogenâ€Activated Protein Kinase Kinase 7 Contributes to Restoration of the Liver Parenchyma Following Injury in Mice. Hepatology, 2021, 73, 2510-2526.	3.6	5
100	Protein kinase CÎ± activation switches YAP1 from TEADâ€mediated signaling to p73â€mediated signaling. Cancer Science, 2022, , .	1.7	5
101	Abnormal male reproduction and embryonic development induced by downregulation of a phospholipid fatty acid-introducing enzyme Lpgat1 in zebrafish. Scientific Reports, 2022, 12, 7312.	1.6	5
102	The RAS-interacting chaperone UNC119 drives the RASSF6â€“MDM2â€“p53 axis and antagonizes RAS-mediated malignant transformation. Journal of Biological Chemistry, 2020, 295, 11214-11230.	1.6	4
103	YAP regulates liver size and function. Cell Cycle, 2018, 17, 267-268.	1.3	3
104	MKK7 deficiency in mature neurons impairs parental behavior in mice. Genes To Cells, 2021, 26, 5-17.	0.5	3
105	Molecular Mechanisms of Liver Development: Lessons From Animal Models. , 2018, , 1-20.		2
106	Heat shock induces the nuclear accumulation of YAP1 via SRC. Experimental Cell Research, 2021, 399, 112439.	1.2	2
107	An improved method for cell-to-cell transmission of infectious prion. Biochemical and Biophysical Research Communications, 2010, 397, 505-508.	1.0	1
108	Characterization of a novel compound that promotes myogenesis viaÂAkt and transcriptional co-activator with PDZ-binding motif (TAZ) in mouse C2C12 cells. PLoS ONE, 2020, 15, e0231265.	1.1	1

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109	Characterization of mouse embryonic fibroblasts derived from Rassf6 knockout mice shows the implication of Rassf6 in the regulation of NFâ€ºB signaling. Genes To Cells, 2021, 26, 999.	0.5	1
110	Reply to Sun et al.: Targeting YAP Acetylation in Cancer. Journal of Biological Chemistry, 2012, 287, 35443.	1.6	0
111	DNA Damage Triggers the Nuclear Accumulation of RASSF6 Tumor Suppressor Protein via CDK9 and BAF53 To Regulate p53 Target Gene Transcription. Molecular and Cellular Biology, 2022, 42, MCB0031021.	1.1	0
112	Title is missing!. , 2020, 15, e0231265.		0
113	Title is missing!. , 2020, 15, e0231265.		0
114	Title is missing!. , 2020, 15, e0231265.		0
115	Title is missing!. , 2020, 15, e0231265.		0