

Tohru Ishitani

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

3,805
citations

218677

26
h-index

155660

55
g-index

63
all docs

63
docs citations

63
times ranked

4974
citing authors

#	ARTICLE	IF	CITATIONS
1	The TAK1-NLK-MAPK-related pathway antagonizes signalling between β^2 -catenin and transcription factor TCF. <i>Nature</i> , 1999, 399, 798-802.	27.8	569
2	The TAK1-NLK Mitogen-Activated Protein Kinase Cascade Functions in the Wnt-5a/Ca ²⁺ Pathway To Antagonize Wnt/ β^2 -Catenin Signaling. <i>Molecular and Cellular Biology</i> , 2003, 23, 131-139.	2.3	503
3	MAP kinase and Wnt pathways converge to downregulate an HMG-domain repressor in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 1999, 399, 793-797.	27.8	263
4	Role of the TAB2-related protein TAB3 in IL-1 and TNF signaling. <i>EMBO Journal</i> , 2003, 22, 6277-6288.	7.8	242
5	Regulation of Lymphoid Enhancer Factor 1/T-Cell Factor by Mitogen-Activated Protein Kinase-Related Nemo-Like Kinase-Dependent Phosphorylation in Wnt/ β^2 -Catenin Signaling. <i>Molecular and Cellular Biology</i> , 2003, 23, 1379-1389.	2.3	202
6	Hippo signaling interactions with Wnt/ β^2 -catenin and Notch signaling repress liver tumorigenesis. <i>Journal of Clinical Investigation</i> , 2016, 127, 137-152.	8.2	190
7	Wnt-1 signal induces phosphorylation and degradation of c-Myb protein via TAK1, HIPK2, and NLK. <i>Genes and Development</i> , 2004, 18, 816-829.	5.9	151
8	KDM7 is a dual demethylase for histone H3 Lys 9 and Lys 27 and functions in brain development. <i>Genes and Development</i> , 2010, 24, 432-437.	5.9	135
9	Visualization and exploration of Tcf/Lef function using a highly responsive Wnt/ β^2 -catenin signaling-reporter transgenic zebrafish. <i>Developmental Biology</i> , 2012, 370, 71-85.	2.0	124
10	Nemo-like kinase suppresses Notch signalling by interfering with formation of the Notch active transcriptional complex. <i>Nature Cell Biology</i> , 2010, 12, 278-285.	10.3	110
11	Intracellular pH controls WNT downstream of glycolysis in amniote embryos. <i>Nature</i> , 2020, 584, 98-101.	27.8	95
12	Mib-Jag1-Notch signalling regulates patterning and structural roles of the notochord by controlling cell-fate decisions. <i>Development (Cambridge)</i> , 2010, 137, 2527-2537.	2.5	80
13	STAT3 regulates Nemo-like kinase by mediating its interaction with IL-6-stimulated TGF β -activated kinase 1 for STAT3 Ser-727 phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4524-4529.	7.1	76
14	Nrarp functions to modulate neural-crest-cell differentiation by regulating LEF1 protein stability. <i>Nature Cell Biology</i> , 2005, 7, 1106-1112.	10.3	74
15	Homeodomain-interacting protein kinases (Hipks) promote Wnt/Wg signaling through stabilization of β^2 -catenin/Arm and stimulation of target gene expression. <i>Development (Cambridge)</i> , 2009, 136, 241-251.	2.5	74
16	Wnt/Dkk Negative Feedback Regulates Sensory Organ Size in Zebrafish. <i>Current Biology</i> , 2013, 23, 1559-1565.	3.9	70
17	NLK positively regulates Wnt/ β^2 -catenin signalling by phosphorylating LEF1 in neural progenitor cells. <i>EMBO Journal</i> , 2012, 31, 1904-1915.	7.8	69
18	Calcium Wave Promotes Cell Extrusion. <i>Current Biology</i> , 2020, 30, 670-681.e6.	3.9	66

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19	Nemo-like kinase, a multifaceted cell signaling regulator. <i>Cellular Signalling</i> , 2013, 25, 190-197.	3.6	61
20	Nemo-like kinase is involved in NGF-induced neurite outgrowth via phosphorylating MAP1B and paxillin. <i>Journal of Neurochemistry</i> , 2009, 111, 1104-1118.	3.9	56
21	Cell competition corrects noisy Wnt morphogen gradients to achieve robust patterning in the zebrafish embryo. <i>Nature Communications</i> , 2019, 10, 4710.	12.8	56
22	Zebrafish <i>Dmrta2</i> regulates neurogenesis in the telencephalon. <i>Genes To Cells</i> , 2011, 16, 1097-1109.	1.2	48
23	A phospho-switch controls RNF43-mediated degradation of Wnt receptors to suppress tumorigenesis. <i>Nature Communications</i> , 2020, 11, 4586.	12.8	40
24	Identification and Characterization of a Novel Small-Molecule Inhibitor of β^2 -Catenin Signaling. <i>American Journal of Pathology</i> , 2014, 184, 2111-2122.	3.8	32
25	Context-dependent regulation of the β^2 -catenin transcriptional complex supports diverse functions of Wnt/ β^2 -catenin signaling. <i>Journal of Biochemistry</i> , 2017, 161, 9-17.	1.7	31
26	Hipk2 and PP1c Cooperate to Maintain Dvl Protein Levels Required for Wnt Signal Transduction. <i>Cell Reports</i> , 2014, 8, 1391-1404.	6.4	30
27	Homodimerization of Nemo-like kinase is essential for activation and nuclear localization. <i>Molecular Biology of the Cell</i> , 2011, 22, 266-277.	2.1	28
28	DEAD-Box Protein Ddx46 Is Required for the Development of the Digestive Organs and Brain in Zebrafish. <i>PLoS ONE</i> , 2012, 7, e33675.	2.5	25
29	<i>In vivo</i> RNAi screen identifies NLK as a negative regulator of mesenchymal activity in glioblastoma. <i>Oncotarget</i> , 2015, 6, 20145-20159.	1.8	23
30	Biochemical Characterization of Three BLT Receptors in Zebrafish. <i>PLoS ONE</i> , 2015, 10, e0117888.	2.5	22
31	Nemo-Like Kinase, an Essential Effector of Anterior Formation, Functions Downstream of p38 Mitogen-Activated Protein Kinase. <i>Molecular and Cellular Biology</i> , 2010, 30, 675-683.	2.3	20
32	Cold exposure down-regulates zebrafish hematopoiesis. <i>Biochemical and Biophysical Research Communications</i> , 2010, 394, 859-864.	2.1	20
33	Dual functions of DP1 promote biphasic Wnt-on and Wnt-off states during anteroposterior neural patterning. <i>EMBO Journal</i> , 2012, 31, 3384-3397.	7.8	20
34	Induction of intrinsic apoptosis in leukaemia stem cells and in vivo zebrafish model by betulonic acid isolated from <i>Walsura pinnata</i> Hassk (Meliaceae). <i>Phytomedicine</i> , 2017, 26, 11-21.	5.3	17
35	Pharmacological enhancement of retinoid-related orphan receptor β^4 function mitigates spinocerebellar ataxia type 3 pathology. <i>Neurobiology of Disease</i> , 2019, 121, 263-273.	4.4	17
36	Tyrosine pre-transfer RNA fragments are linked to p53-dependent neuronal cell death via PKM2. <i>Biochemical and Biophysical Research Communications</i> , 2020, 525, 726-732.	2.1	16

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37	Extracellular ATP facilitates cell extrusion from epithelial layers mediated by cell competition or apoptosis. <i>Current Biology</i> , 2022, 32, 2144-2159.e5.	3.9	16
38	Role of the ANKMY2-FKBP38 Axis in Regulation of the Sonic Hedgehog (Shh) Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2014, 289, 25639-25654.	3.4	15
39	Involvement of sonic hedgehog and notch signaling in regenerative neurogenesis in adult zebrafish optic tectum after stab injury. <i>Journal of Comparative Neurology</i> , 2018, 526, 2360-2372.	1.6	14
40	β -catenin-promoted cholesterol metabolism protects against cellular senescence in naked mole-rat cells. <i>Communications Biology</i> , 2021, 4, 357.	4.4	12
41	Cold exposure down-regulates zebrafish pigmentation. <i>Genes To Cells</i> , 2011, 16, 358-367.	1.2	11
42	Zebrafish imaging reveals TP53 mutation switching oncogene-induced senescence from suppressor to driver in primary tumorigenesis. <i>Nature Communications</i> , 2022, 13, 1417.	12.8	11
43	Wip1 directly dephosphorylates NLK and increases Wnt activity during germ cell development. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1013-1022.	3.8	10
44	Context-dependent dual and opposite roles of nemo-like kinase in the Wnt/ β -catenin signaling. <i>Cell Cycle</i> , 2012, 11, 1743-1745.	2.6	8
45	Purification of zebrafish erythrocytes as a means of identifying a novel regulator of haematopoiesis. <i>British Journal of Haematology</i> , 2018, 180, 420-431.	2.5	8
46	Pathogenesis of CDK8-associated disorder: two patients with novel CDK8 variants and in vitro and in vivo functional analyses of the variants. <i>Scientific Reports</i> , 2020, 10, 17575.	3.3	7
47	Exosc2 deficiency leads to developmental disorders by causing a nucleotide pool imbalance in zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 1470-1476.	2.1	7
48	CDK19-related disorder results from both loss-of-function and gain-of-function de novo missense variants. <i>Genetics in Medicine</i> , 2021, 23, 1050-1057.	2.4	7
49	Leucyl-tRNA synthetase deficiency systemically induces excessive autophagy in zebrafish. <i>Scientific Reports</i> , 2021, 11, 8392.	3.3	4
50	A novel role for PRL in regulating epithelial cell density by inducing apoptosis at confluence. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	4
51	Calcium sparks enhance the tissue fluidity within epithelial layers and promote apical extrusion of transformed cells. <i>Cell Reports</i> , 2022, 40, 111078.	6.4	3
52	Delta1 family members are involved in filopodial actin formation and neuronal cell migration independent of Notch signaling. <i>Biochemical and Biophysical Research Communications</i> , 2010, 398, 118-124.	2.1	2
53	Horizontal Boundary Cells, a Special Group of Somitic Cells, Play Crucial Roles in the Formation of Dorsal Ventral Compartments in Teleost Somite. <i>Cell Reports</i> , 2019, 27, 928-939.e4.	6.4	2
54	A novel method to purify neutrophils enables functional analysis of zebrafish hematopoiesis. <i>Genes To Cells</i> , 2020, 25, 770-781.	1.2	2

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55	Context-Dependent Bidirectional Modulation of Wnt/ β 2-Catenin Signaling. , 2014, , 213-225.		1
56	Post-translational Modification of Tcf/Lef: New Insights into the Regulation of Wnt/ β 2-Catenin Signaling. , 2015, , 327-342.		1
57	Zebrafish Wnt/ β 2-Catenin Signaling Reporters Facilitate Understanding of In Vivo Dynamic Regulation and Discovery of Therapeutic Agents. , 2018, , 3-16.		0
58	NLK. , 2016, , 1-9.		0
59	NLK. , 2018, , 3507-3515.		0
60	<i>De novo</i> non-synonymous CTR9 variants are associated with motor delay and macrocephaly: human genetic and zebrafish experimental evidence. Human Molecular Genetics, 0, , .	2.9	0