

# Yuhei Nishimura

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

3,222  
citations

172207

29  
h-index

161609

54  
g-index

88  
all docs

88  
docs citations

88  
times ranked

5270  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diet-induced obesity in zebrafish shares common pathophysiological pathways with mammalian obesity. <i>BMC Physiology</i> , 2010, 10, 21.	3.6	302
2	Genome-wide expression profiling of lymphoblastoid cell lines distinguishes different forms of autism and reveals shared pathways. <i>Human Molecular Genetics</i> , 2007, 16, 1682-1698.	1.4	290
3	Heterogeneous dysregulation of microRNAs across the autism spectrum. <i>Neurogenetics</i> , 2008, 9, 153-161.	0.7	245
4	Molecular Cloning and Characterization of Mammalian Homologues of Vesicle-Associated Membrane Protein-Associated (VAMP-Associated) Proteins. <i>Biochemical and Biophysical Research Communications</i> , 1999, 254, 21-26.	1.0	155
5	Using zebrafish in systems toxicology for developmental toxicity testing. <i>Congenital Anomalies (discontinued)</i> , 2016, 56, 18-27.	0.3	147
6	Zebrafish as a systems toxicology model for developmental neurotoxicity testing. <i>Congenital Anomalies (discontinued)</i> , 2015, 55, 1-16.	0.3	140
7	Eriocitrin ameliorates diet-induced hepatic steatosis with activation of mitochondrial biogenesis. <i>Scientific Reports</i> , 2014, 4, 3708.	1.6	90
8	S-nitrosylation regulates mitochondrial quality control via activation of parkin. <i>Scientific Reports</i> , 2013, 3, 2202.	1.6	80
9	Green tea extract suppresses adiposity and affects the expression of lipid metabolism genes in diet-induced obese zebrafish. <i>Nutrition and Metabolism</i> , 2012, 9, 73.	1.3	73
10	Zebrafish $\beta$ -adrenergic receptor mRNA expression and control of pigmentation. <i>Gene</i> , 2009, 446, 18-27.	1.0	72
11	A Novel, Reliable Method for Repeated Blood Collection from Aquarium Fish. <i>Zebrafish</i> , 2013, 10, 425-432.	0.5	69
12	Transcriptome analysis of anti-fatty liver action by Campari tomato using a zebrafish diet-induced obesity model. <i>Nutrition and Metabolism</i> , 2011, 8, 88.	1.3	65
13	A High-Throughput Fluorescence-Based Assay System for Appetite-Regulating Gene and Drug Screening. <i>PLoS ONE</i> , 2012, 7, e52549.	1.1	65
14	Primary Cilia as Signaling Hubs in Health and Disease. <i>Advanced Science</i> , 2019, 6, 1801138.	5.6	64
15	EGF receptor kinase suppresses ciliogenesis through activation of USP8 deubiquitinase. <i>Nature Communications</i> , 2018, 9, 758.	5.8	61
16	Repeated Blood Collection for Blood Tests in Adult Zebrafish. <i>Journal of Visualized Experiments</i> , 2015, e53272.	0.2	56
17	Quantitative Phenotyping-Based In Vivo Chemical Screening in a Zebrafish Model of Leukemia Stem Cell Xenotransplantation. <i>PLoS ONE</i> , 2014, 9, e85439.	1.1	52
18	Genomic organization, chromosomal localization, and alternative splicing of the human phosphodiesterase 8B gene. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 1253-1258.	1.0	46

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19	Brainstem Organoids From Human Pluripotent Stem Cells. <i>Frontiers in Neuroscience</i> , 2020, 14, 538.	1.4	43
20	Downregulation of GSTK1 Is a Common Mechanism Underlying Hypertrophic Cardiomyopathy. <i>Frontiers in Pharmacology</i> , 2016, 7, 162.	1.6	42
21	Tetraploidy in cancer and its possible link to aging. <i>Cancer Science</i> , 2018, 109, 2632-2640.	1.7	41
22	In vivo assessment of the permeability of the blood-brain barrier and blood-retinal barrier to fluorescent indoline derivatives in zebrafish. <i>BMC Neuroscience</i> , 2012, 13, 101.	0.8	39
23	Calcium-dependent Activation of Nuclear Factor Regulated by Interleukin 3/Adenovirus E4 Promoter-binding Protein Gene Expression by Calcineurin/Nuclear Factor of Activated T Cells and Calcium/Calmodulin-dependent Protein Kinase Signaling. <i>Journal of Biological Chemistry</i> , 2001, 276, 19921-19928.	1.6	38
24	Novel reciprocal regulation of cAMP signaling and apoptosis by orphan G-protein-coupled receptor GPRC5A gene expression. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 185-191.	1.0	36
25	E2F8 promotes hepatic steatosis through FABP3 expression in diet-induced obesity in zebrafish. <i>Nutrition and Metabolism</i> , 2015, 12, 17.	1.3	36
26	In vivo imaging of zebrafish retinal cells using fluorescent coumarin derivatives. <i>BMC Neuroscience</i> , 2010, 11, 116.	0.8	35
27	In Vivo Imaging of the Mouse Neurovascular Unit Under Chronic Cerebral Hypoperfusion. <i>Stroke</i> , 2014, 45, 3698-3703.	1.0	35
28	Oxidative Stress in Retinal Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-2.	1.9	32
29	DNA Damage Response Is Involved in the Developmental Toxicity of Mebendazole in Zebrafish Retina. <i>Frontiers in Pharmacology</i> , 2016, 7, 57.	1.6	31
30	Zebrafish xenotransplantation model for cancer stem-like cell study and high-throughput screening of inhibitors. <i>Tumor Biology</i> , 2014, 35, 11861-11869.	0.8	30
31	Potential Role for Heat Shock Protein 72 in Antagonizing Cerebral Vasospasm After Rat Subarachnoid Hemorrhage. <i>Circulation</i> , 2004, 110, 1839-1846.	1.6	28
32	Pharmacological profiling of zebrafish behavior using chemical and genetic classification of sleep-wake modifiers. <i>Frontiers in Pharmacology</i> , 2015, 6, 257.	1.6	27
33	Downregulation of Stanniocalcin 1 Is Responsible for Sorafenib-Induced Cardiotoxicity. <i>Toxicological Sciences</i> , 2015, 143, 374-384.	1.4	27
34	Comparative Transcriptome Analysis Identifies CCDC80 as a Novel Gene Associated with Pulmonary Arterial Hypertension. <i>Frontiers in Pharmacology</i> , 2016, 7, 142.	1.6	27
35	Primary cilia-dependent lipid raft/caveolin dynamics regulate adipogenesis. <i>Cell Reports</i> , 2021, 34, 108817.	2.9	27
36	Oxidative Stress as a Common Key Event in Developmental Neurotoxicity. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-10.	1.9	27

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37	Pharmacogenomics of Cardiovascular Pharmacology: Pharmacogenomic Network of Cardiovascular Disease Models. <i>Journal of Pharmacological Sciences</i> , 2008, 107, 8-14.	1.1	25
38	Intermediate filaments and IF-associated proteins: from cell architecture to cell proliferation. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2019, 95, 479-493.	1.6	25
39	Identification of a Novel Indoline Derivative for in Vivo Fluorescent Imaging of Blood-Brain Barrier Disruption in Animal Models. <i>ACS Chemical Neuroscience</i> , 2013, 4, 1183-1193.	1.7	24
40	Systems pharmacology of adiposity reveals inhibition of EP300 as a common therapeutic mechanism of caloric restriction and resveratrol for obesity. <i>Frontiers in Pharmacology</i> , 2015, 6, 199.	1.6	24
41	Novel immunologic tolerance of human cancer cell xenotransplants in zebrafish. <i>Translational Research</i> , 2016, 170, 89-98.e3.	2.2	24
42	Editorial: Drug Repositioning: Current Advances and Future Perspectives. <i>Frontiers in Pharmacology</i> , 2018, 9, 1068.	1.6	23
43	Zinc finger MYND-type containing 8 promotes tumour angiogenesis via induction of vascular endothelial growth factor expression. <i>FEBS Letters</i> , 2014, 588, 3409-3416.	1.3	21
44	Pharmacogenomics and Therapeutic Target Validation in Cerebral Vasospasm. <i>Journal of Cardiovascular Pharmacology</i> , 2000, 36, S1-S4.	0.8	21
45	Chemokines protect vascular smooth muscle cells from cell death induced by cyclic mechanical stretch. <i>Scientific Reports</i> , 2017, 7, 16128.	1.6	19
46	Potential protective function of the sterol regulatory element binding factor 1 fatty acid desaturase 1/2 axis in early-stage age-related macular degeneration. <i>Heliyon</i> , 2017, 3, e00266.	1.4	18
47	Transcriptional and post-transcriptional regulation of monocyte chemoattractant protein-3 gene expression in human endothelial cells by phorbol ester and cAMP signalling. <i>Immunology</i> , 2000, 99, 561-568.	2.0	17
48	Activation of Sterol Regulatory Element Binding Factors by Fenofibrate and Gemfibrozil Stimulates Myelination in Zebrafish. <i>Frontiers in Pharmacology</i> , 2016, 7, 206.	1.6	17
49	E2F4 Promotes Neuronal Regeneration and Functional Recovery after Spinal Cord Injury in Zebrafish. <i>Frontiers in Pharmacology</i> , 2016, 7, 119.	1.6	16
50	Comparative study of the zebrafish embryonic toxicity test and mouse embryonic stem cell test to screen developmental toxicity of human pharmaceutical drugs. <i>Fundamental Toxicological Sciences</i> , 2016, 3, 79-87.	0.2	16
51	<i>In Vivo</i> Detection of Mitochondrial Dysfunction Induced by Clinical Drugs and Disease-Associated Genes Using a Novel Dye ZMJ214 in Zebrafish. <i>ACS Chemical Biology</i> , 2016, 11, 381-388.	1.6	16
52	SEMA4A Mutations Lead to Susceptibility to Light Irradiation, Oxidative Stress, and ER Stress in Retinal Pigment Epithelial Cells. , 2012, 53, 6729.		15
53	Fluorescent-Based Methods for Gene Knockdown and Functional Cardiac Imaging in Zebrafish. <i>Molecular Biotechnology</i> , 2013, 55, 131-142.	1.3	13
54	EP300 Protects from Light-Induced Retinopathy in Zebrafish. <i>Frontiers in Pharmacology</i> , 2016, 7, 126.	1.6	13

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55	Integrated Approaches to Drug Discovery for Oxidative Stress-Related Retinal Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-9.	1.9	12
56	Downregulation of Max dimerization protein 3 is involved in decreased visceral adipose tissue by inhibiting adipocyte differentiation in zebrafish and mice. <i>International Journal of Obesity</i> , 2014, 38, 1053-1060.	1.6	11
57	Guinea pig cysteinyl leukotriene receptor 2 (gpCysLT2) mediates cell proliferation and intracellular calcium mobilization by LTC4 and LTD4. <i>BMB Reports</i> , 2008, 41, 139-145.	1.1	11
58	Establishment of a drug evaluation model against light-induced retinal degeneration using adult pigmented zebrafish. <i>Journal of Pharmacological Sciences</i> , 2016, 131, 215-218.	1.1	10
59	Increased susceptibility to oxidative stress-induced toxicological evaluation by genetically modified nrf2a-deficient zebrafish. <i>Journal of Pharmacological and Toxicological Methods</i> , 2019, 96, 34-45.	0.3	10
60	Gap junction protein beta 4 plays an important role in cardiac function in humans, rodents, and zebrafish. <i>PLoS ONE</i> , 2020, 15, e0240129.	1.1	10
61	Targeting E3 Ubiquitin Ligases and Deubiquitinases in Ciliopathy and Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5962.	1.8	10
62	In vivo selective imaging and inhibition of leukemia stem-like cells using the fluorescent carbocyanine derivative, DiOC5(3). <i>Biomaterials</i> , 2015, 52, 14-25.	5.7	9
63	Epigenetics and Neuroinflammation Associated With Neurodevelopmental Disorders: A Microglial Perspective. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	9
64	Overcoming Obstacles to Drug Repositioning in Japan. <i>Frontiers in Pharmacology</i> , 2017, 8, 729.	1.6	8
65	C3orf70 Is Involved in Neural and Neurobehavioral Development. <i>Pharmaceuticals</i> , 2019, 12, 156.	1.7	8
66	Gene Expression Profiles of Human Cerebral Organoids Identify PPAR Pathway and PKM2 as Key Markers for Oxygen-Glucose Deprivation and Reoxygenation. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 605030.	1.8	8
67	Zebrafish-Based Systems Pharmacology of Cancer Metastasis. <i>Methods in Molecular Biology</i> , 2014, 1165, 223-238.	0.4	8
68	Molecular Cloning of Novel Mouse and Human Putative Citrate Lyase $\beta$ -Subunit. <i>Biochemical and Biophysical Research Communications</i> , 2001, 289, 1282-1286.	1.0	7
69	Primary cilia and lipid raft dynamics. <i>Open Biology</i> , 2021, 11, 210130.	1.5	7
70	Aurora A and AKT Kinase Signaling Associated with Primary Cilia. <i>Cells</i> , 2021, 10, 3602.	1.8	7
71	Generation of a Triple-Transgenic Zebrafish Line for Assessment of Developmental Neurotoxicity during Neuronal Differentiation. <i>Pharmaceuticals</i> , 2019, 12, 145.	1.7	6
72	Therapeutic Effects of Iron Chelation in Atorvastatin-Induced Intracranial Hemorrhage of Zebrafish Larvae. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2020, 29, 105215.	0.7	6

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73	An Integrated In Silico and In Vivo Approach to Identify Protective Effects of Palonosetron in Cisplatin-Induced Nephrotoxicity. <i>Pharmaceuticals</i> , 2020, 13, 480.	1.7	6
74	Analysis of Gene-Environment Interactions Related to Developmental Disorders. <i>Frontiers in Pharmacology</i> , 2022, 13, 863664.	1.6	6
75	Repositioning of Lansoprazole as a Protective Agent Against Cisplatin-Induced Ototoxicity. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	4
76	Generation of a Transgenic Zebrafish Line for In Vivo Assessment of Hepatic Apoptosis. <i>Pharmaceuticals</i> , 2021, 14, 1117.	1.7	3
77	CRISPR-mediated Bmpr2 point mutation exacerbates late pulmonary vasculopathy and reduces survival in rats with experimental pulmonary hypertension. <i>Respiratory Research</i> , 2022, 23, 87.	1.4	3
78	New photic stimulating system with white light-emitting diodes to elicit electroretinograms from zebrafish larvae. <i>Documenta Ophthalmologica</i> , 2017, 135, 147-154.	1.0	2
79	Risk factors for cisplatin-induced acute kidney injury: A pilot study on the usefulness of genetic variants for predicting nephrotoxicity in clinical practice. <i>Molecular and Clinical Oncology</i> , 2020, 13, 1-1.	0.4	2
80	Involvement of homeobox transcription factor Mohawk in palatogenesis. <i>Congenital Anomalies (discontinued)</i> , 2021, , .	0.3	2
81	1. An Integrative Omics Approach to Drug Discovery. <i>Japanese Journal of Clinical Pharmacology and Therapeutics</i> , 2021, 52, 44-46.	0.1	0
82	Primary Cilia Dependent-Lipid Rafts/Caveolae Dynamics Regulate Adipogenesis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0