Yuhei Nishimura

List of Publications by Year
in descending order

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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	Analysis of Gene-Environment Interactions Related to Developmental Disorders. Frontiers in Pharmacology, 2022, 13, 863664.	1.6	6
2	CRISPR-mediated Bmpr2 point mutation exacerbates late pulmonary vasculopathy and reduces survival in rats with experimental pulmonary hypertension. Respiratory Research, 2022, 23, 87.	1.4	3
3	Epigenetics and Neuroinflammation Associated With Neurodevelopmental Disorders: A Microglial Perspective. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	9
4	1. An Integrative Omics Approach to Drug Discovery. Japanese Journal of Clinical Pharmacology and Therapeutics, 2021, 52, 44-46.	0.1	0
5	Primary cilia-dependent lipid raft/caveolin dynamics regulate adipogenesis. Cell Reports, 2021, 34, 108817.	2.9	27
6	Gene Expression Profiles of Human Cerebral Organoids Identify PPAR Pathway and PKM2 as Key Markers for Oxygen-Glucose Deprivation and Reoxygenation. Frontiers in Cellular Neuroscience, 2021, 15, 605030.	1.8	8
7	Oxidative Stress as a Common Key Event in Developmental Neurotoxicity. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-10.	1.9	27
8	Primary cilia and lipid raft dynamics. Open Biology, 2021, 11, 210130.	1.5	7
9	Generation of a Transgenic Zebrafish Line for In Vivo Assessment of Hepatic Apoptosis. Pharmaceuticals, 2021, 14, 1117.	1.7	3
10	Involvement of homeobox transcription factor Mohawk in palatogenesis. Congenital Anomalies (discontinued), 2021, , .	0.3	2
11	Aurora A and AKT Kinase Signaling Associated with Primary Cilia. Cells, 2021, 10, 3602.	1.8	7
12	Gap junction protein beta 4 plays an important role in cardiac function in humans, rodents, and zebrafish. PLoS ONE, 2020, 15, e0240129.	1.1	10
13	Therapeutic Effects of Iron Chelation in Atorvastatin-Induced Intracranial Hemorrhage of Zebrafish Larvae. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 105215.	0.7	6
14	Targeting E3 Ubiquitin Ligases and Deubiquitinases in Ciliopathy and Cancer. International Journal of Molecular Sciences, 2020, 21, 5962.	1.8	10
15	An Integrated In Silico and In Vivo Approach to Identify Protective Effects of Palonosetron in Cisplatin-Induced Nephrotoxicity. Pharmaceuticals, 2020, 13, 480.	1.7	6
16	Brainstem Organoids From Human Pluripotent Stem Cells. Frontiers in Neuroscience, 2020, 14, 538.	1.4	43
17	Risk factors for cisplatinâ€induced acute kidney injury: A pilot study on the usefulness of genetic variants for predicting nephrotoxicity in clinical practice. Molecular and Clinical Oncology, 2020, 13, 1-1.	0.4	2
18	C3orf70 Is Involved in Neural and Neurobehavioral Development. Pharmaceuticals, 2019, 12, 156.	1.7	8

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19	Intermediate filaments and IF-associated proteins: from cell architecture to cell proliferation. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2019, 95, 479-493.	1.6	25
20	Generation of a Triple-Transgenic Zebrafish Line for Assessment of Developmental Neurotoxicity during Neuronal Differentiation. Pharmaceuticals, 2019, 12, 145.	1.7	6
21	Increased susceptibility to oxidative stress-induced toxicological evaluation by genetically modified nrf2a-deficient zebrafish. Journal of Pharmacological and Toxicological Methods, 2019, 96, 34-45.	0.3	10
22	Primary Cilia as Signaling Hubs in Health and Disease. Advanced Science, 2019, 6, 1801138.	5.6	64
23	EGF receptor kinase suppresses ciliogenesis through activation of USP8 deubiquitinase. Nature Communications, 2018, 9, 758.	5.8	61
24	Editorial: Drug Repositioning: Current Advances and Future Perspectives. Frontiers in Pharmacology, 2018, 9, 1068.	1.6	23
25	Tetraploidy in cancer and its possible link to aging. Cancer Science, 2018, 109, 2632-2640.	1.7	41
26	Potential protective function of the sterol regulatory element binding factor 1â€“fatty acid desaturase 1/2 axis in early-stage age-related macular degeneration. Heliyon, 2017, 3, e00266.	1.4	18
27	New photic stimulating system with white light-emitting diodes to elicit electroretinograms from zebrafish larvae. Documenta Ophthalmologica, 2017, 135, 147-154.	1.0	2
28	Overcoming Obstacles to Drug Repositioning in Japan. Frontiers in Pharmacology, 2017, 8, 729.	1.6	8
29	Oxidative Stress in Retinal Diseases. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-2.	1.9	32
30	Chemokines protect vascular smooth muscle cells from cell death induced by cyclic mechanical stretch. Scientific Reports, 2017, 7, 16128.	1.6	19
31	Integrated Approaches to Drug Discovery for Oxidative Stress-Related Retinal Diseases. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-9.	1.9	12
32	DNA Damage Response Is Involved in the Developmental Toxicity of Mebendazole in Zebrafish Retina. Frontiers in Pharmacology, 2016, 7, 57.	1.6	31
33	E2F4 Promotes Neuronal Regeneration and Functional Recovery after Spinal Cord Injury in Zebrafish. Frontiers in Pharmacology, 2016, 7, 119.	1.6	16
34	EP300 Protects from Light-Induced Retinopathy in Zebrafish. Frontiers in Pharmacology, 2016, 7, 126.	1.6	13
35	Comparative Transcriptome Analysis Identifies CCDC80 as a Novel Gene Associated with Pulmonary Arterial Hypertension. Frontiers in Pharmacology, 2016, 7, 142.	1.6	27
36	Downregulation of GSTK1 Is a Common Mechanism Underlying Hypertrophic Cardiomyopathy. Frontiers in Pharmacology, 2016, 7, 162.	1.6	42

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37	Activation of Sterol Regulatory Element Binding Factors by Fenofibrate and Gemfibrozil Stimulates Myelination in Zebrafish. Frontiers in Pharmacology, 2016, 7, 206.	1.6	17
38	Using zebrafish in systems toxicology for developmental toxicity testing. Congenital Anomalies (discontinued), 2016, 56, 18-27.	0.3	147
39	Comparative study of the zebrafish embryonic toxicity test and mouse embryonic stem cell test to screen developmental toxicity of human pharmaceutical drugs. Fundamental Toxicological Sciences, 2016, 3, 79-87.	0.2	16
40	Establishment of a drug evaluation model against light-induced retinal degeneration using adult pigmented zebrafish. Journal of Pharmacological Sciences, 2016, 131, 215-218.	1.1	10
41	In Vivo Detection of Mitochondrial Dysfunction Induced by Clinical Drugs and Disease-Associated Genes Using a Novel Dye ZMJ214 in Zebrafish. ACS Chemical Biology, 2016, 11, 381-388.	1.6	16
42	Novel immunologic tolerance of human cancer cell xenotransplants in zebrafish. Translational Research, 2016, 170, 89-98.e3.	2.2	24
43	Repeated Blood Collection for Blood Tests in Adult Zebrafish. Journal of Visualized Experiments, 2015, , e53272.	0.2	56
44	Systems pharmacology of adiposity reveals inhibition of EP300 as a common therapeutic mechanism of caloric restriction and resveratrol for obesity. Frontiers in Pharmacology, 2015, 6, 199.	1.6	24
45	Pharmacological profiling of zebrafish behavior using chemical and genetic classification of sleep-wake modifiers. Frontiers in Pharmacology, 2015, 6, 257.	1.6	27
46	E2F8 promotes hepatic steatosis through FABP3 expression in diet-induced obesity in zebrafish. Nutrition and Metabolism, 2015, 12, 17.	1.3	36
47	InÂvivo selective imaging and inhibition of leukemia stem-like cells using the fluorescent carbocyanine derivative, DiOC5(3). Biomaterials, 2015, 52, 14-25.	5.7	9
48	Downregulation of Stanniocalcin 1 Is Responsible for Sorafenib-Induced Cardiotoxicity. Toxicological Sciences, 2015, 143, 374-384.	1.4	27
49	Zebrafish as a systems toxicology model for developmental neurotoxicity testing. Congenital Anomalies (discontinued), 2015, 55, 1-16.	0.3	140
50	Quantitative Phenotyping-Based In Vivo Chemical Screening in a Zebrafish Model of Leukemia Stem Cell Xenotransplantation. PLoS ONE, 2014, 9, e85439.	1.1	52
51	Downregulation of Max dimerization protein 3 is involved in decreased visceral adipose tissue by inhibiting adipocyte differentiation in zebrafish and mice. International Journal of Obesity, 2014, 38, 1053-1060.	1.6	11
52	In Vivo Imaging of the Mouse Neurovascular Unit Under Chronic Cerebral Hypoperfusion. Stroke, 2014, 45, 3698-3703.	1.0	35
53	Zebrafish xenotransplantation model for cancer stem-like cell study and high-throughput screening of inhibitors. Tumor Biology, 2014, 35, 11861-11869.	0.8	30
54	Zinc finger MYNDâ€type containing 8 promotes tumour angiogenesis via induction of vascular endothelial growth factorâ€A expression. FEBS Letters, 2014, 588, 3409-3416.	1.3	21

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55	Eriocitrin ameliorates diet-induced hepatic steatosis with activation of mitochondrial biogenesis. Scientific Reports, 2014, 4, 3708.	1.6	90
56	Zebrafish-Based Systems Pharmacology of Cancer Metastasis. Methods in Molecular Biology, 2014, 1165, 223-238.	0.4	8
57	Fluorescent-Based Methods for Gene Knockdown and Functional Cardiac Imaging in Zebrafish. Molecular Biotechnology, 2013, 55, 131-142.	1.3	13
58	A Novel, Reliable Method for Repeated Blood Collection from Aquarium Fish. Zebrafish, 2013, 10, 425-432.	0.5	69
59	Identification of a Novel Indoline Derivative for in Vivo Fluorescent Imaging of Blood-Brain Barrier Disruption in Animal Models. ACS Chemical Neuroscience, 2013, 4, 1183-1193.	1.7	24
60	S-nitrosylation regulates mitochondrial quality control via activation of parkin. Scientific Reports, 2013, 3, 2202.	1.6	80
61	SEMA4A Mutations Lead to Susceptibility to Light Irradiation, Oxidative Stress, and ER Stress in Retinal Pigment Epithelial Cells. , 2012, 53, 6729.		15
62	In vivo assessment of the permeability of the blood-brain barrier and blood-retinal barrier to fluorescent indoline derivatives in zebrafish. BMC Neuroscience, 2012, 13, 101.	0.8	39
63	Green tea extract suppresses adiposity and affects the expression of lipid metabolism genes in diet-induced obese zebrafish. Nutrition and Metabolism, 2012, 9, 73.	1.3	73
64	A High-Throughput Fluorescence-Based Assay System for Appetite-Regulating Gene and Drug Screening. PLoS ONE, 2012, 7, e52549.	1.1	65
65	Transcriptome analysis of anti-fatty liver action by Campari tomato using a zebrafish diet-induced obesity model. Nutrition and Metabolism, 2011, 8, 88.	1.3	65
66	In vivo imaging of zebrafish retinal cells using fluorescent coumarin derivatives. BMC Neuroscience, 2010, 11, 116.	0.8	35
67	Diet-induced obesity in zebrafish shares common pathophysiological pathways with mammalian obesity. BMC Physiology, 2010, 10, 21.	3.6	302
68	Zebrafish Î²-adrenergic receptor mRNA expression and control of pigmentation. Gene, 2009, 446, 18-27.	1.0	72
69	Heterogeneous dysregulation of microRNAs across the autism spectrum. Neurogenetics, 2008, 9, 153-161.	0.7	245
70	Pharmacogenomics of Cardiovascular Pharmacology: Pharmacogenomic Network of Cardiovascular Disease Models. Journal of Pharmacological Sciences, 2008, 107, 8-14.	1.1	25
71	Guinea pig cysteinyl leukotriene receptor 2 (gpCysLT2) mediates cell proliferation and intracellular calcium mobilization by LTC4 and LTD4. BMB Reports, 2008, 41, 139-145.	1.1	11
72	Genome-wide expression profiling of lymphoblastoid cell lines distinguishes different forms of autism and reveals shared pathways â€. Human Molecular Genetics, 2007, 16, 1682-1698.	1.4	290

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73	Novel reciprocal regulation of cAMP signaling and apoptosis by orphan G-protein-coupled receptor GPRC5A gene expression. Biochemical and Biophysical Research Communications, 2006, 351, 185-191.	1.0	36
74	Potential Role for Heat Shock Protein 72 in Antagonizing Cerebral Vasospasm After Rat Subarachnoid Hemorrhage. Circulation, 2004, 110, 1839-1846.	1.6	28
75	Genomic organization, chromosomal localization, and alternative splicing of the human phosphodiesterase 8B gene. Biochemical and Biophysical Research Communications, 2002, 297, 1253-1258.	1.0	46
76	Molecular Cloning of Novel Mouse and Human Putative Citrate Lyase Î²-Subunit. Biochemical and Biophysical Research Communications, 2001, 289, 1282-1286.	1.0	7
77	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. Journal of Biological Chemistry, 2001, 276, 19921-19928.	1.6	38
78	Transcriptional and post-transcriptional regulation of monocyte chemoattractant protein-3 gene expression in human endothelial cells by phorbol ester andcAMP signalling. Immunology, 2000, 99, 561-568.	2.0	17
79	Pharmacogenomics and Therapeutic Target Validation in Cerebral Vasospasm. Journal of Cardiovascular Pharmacology, 2000, 36, S1-S4.	0.8	21
80	Molecular Cloning and Characterization of Mammalian Homologues of Vesicle-Associated Membrane Protein-Associated (VAMP-Associated) Proteins. Biochemical and Biophysical Research Communications, 1999, 254, 21-26.	1.0	155
81	Primary Cilia Dependent-Lipid Rafts/Caveolae Dynamics Regulate Adipogenesis. SSRN Electronic Journal, 0, , .	0.4	0
82	Repositioning of Lansoprazole as a Protective Agent Against Cisplatin-Induced Ototoxicity. Frontiers in Pharmacology, 0, 13, .	1.6	4