Toshio Tanaka

List of Publications by Year
in descending order

60	2,409	218677 26	206112 48
papers	citations	h-index	g-index

66	66	66	3506
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Diet-induced obesity in zebrafish shares common pathophysiological pathways with mammalian obesity. BMC Physiology, 2010, 10, 21.	3.6	302
2	Using zebrafish in systems toxicology for developmental toxicity testing. Congenital Anomalies (discontinued), 2016, 56, 18-27.	0.6	147
3	Heme oxygenase-1 gene induction as an intrinsic regulation against delayed cerebral vasospasm in rats. Journal of Clinical Investigation, 1999, 104, 59-66.	8.2	142
4	Zebrafish as a systems toxicology model for developmental neurotoxicity testing. Congenital Anomalies (discontinued), 2015, 55, 1-16.	0.6	140
5	Molecular Cloning and Characterization of Human PDE8B, a Novel Thyroid-Specific Isozyme of 3â€²,5â€²-Cyclic Nucleotide Phosphodiesterase. Biochemical and Biophysical Research Communications, 1998, 250, 751-756.	2.1	136
6	Relationship between Contact Inhibition and Intranuclear S100c of Normal Human Fibroblasts. Journal of Cell Biology, 2000, 149, 1193-1206.	5.2	96
7	Eriocitrin ameliorates diet-induced hepatic steatosis with activation of mitochondrial biogenesis. Scientific Reports, 2014, 4, 3708.	3.3	90
8	Green tea extract suppresses adiposity and affects the expression of lipid metabolism genes in diet-induced obese zebrafish. Nutrition and Metabolism, 2012, 9, 73.	3.0	73
9	Zebrafish Î²-adrenergic receptor mRNA expression and control of pigmentation. Gene, 2009, 446, 18-27.	2.2	72
10	A Novel, Reliable Method for Repeated Blood Collection from Aquarium Fish. Zebrafish, 2013, 10, 425-432.	1.1	69
11	Transcriptome analysis of anti-fatty liver action by Campari tomato using a zebrafish diet-induced obesity model. Nutrition and Metabolism, 2011, 8, 88.	3.0	65
12	A High-Throughput Fluorescence-Based Assay System for Appetite-Regulating Gene and Drug Screening. PLoS ONE, 2012, 7, e52549.	2.5	65
13	Repeated Blood Collection for Blood Tests in Adult Zebrafish. Journal of Visualized Experiments, 2015, , e53272.	0.3	56
14	Quantitative Phenotyping-Based In Vivo Chemical Screening in a Zebrafish Model of Leukemia Stem Cell Xenotransplantation. PLoS ONE, 2014, 9, e85439.	2.5	52
15	Toxicological Evaluation of SiO2 Nanoparticles by Zebrafish Embryo Toxicity Test. International Journal of Molecular Sciences, 2019, 20, 882.	4.1	48
16	Genomic organization, chromosomal localization, and alternative splicing of the human phosphodiesterase 8B gene. Biochemical and Biophysical Research Communications, 2002, 297, 1253-1258.	2.1	46
17	A Novel Protocol for the Oral Administration of Test Chemicals to Adult Zebrafish. Zebrafish, 2011, 8, 203-210.	1.1	42
18	Effects of Yuzu (Citrus junos Siebold ex Tanaka) peel on the diet-induced obesity in a zebrafish model. Journal of Functional Foods, 2014, 10, 499-510.	3.4	42

#	Article	IF	Citations
19	Downregulation of GSTK1 Is a Common Mechanism Underlying Hypertrophic Cardiomyopathy. Frontiers in Pharmacology, 2016, 7, 162.	3.5	42
20	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.	1.9	39
21	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.	2.1	36
22	E2F8 promotes hepatic steatosis through FABP3 expression in diet-induced obesity in zebrafish. Nutrition and Metabolism, 2015, 12, 17.	3.0	36
23	In vivo imaging of zebrafish retinal cells using fluorescent coumarin derivatives. BMC Neuroscience, 2010, 11, 116.	1.9	35
24	DNA Damage Response Is Involved in the Developmental Toxicity of Mebendazole in Zebrafish Retina. Frontiers in Pharmacology, 2016, 7, 57.	3.5	31
25	Zebrafish xenotransplantation model for cancer stem-like cell study and high-throughput screening of inhibitors. Tumor Biology, 2014, 35, 11861-11869.	1.8	30
26	Potential Role for Heat Shock Protein 72 in Antagonizing Cerebral Vasospasm After Rat Subarachnoid Hemorrhage. Circulation, 2004, 110, 1839-1846.	1.6	28
27	Pharmacological profiling of zebrafish behavior using chemical and genetic classification of sleep-wake modifiers. Frontiers in Pharmacology, 2015, 6, 257.	3.5	27
28	Downregulation of Stanniocalcin 1 Is Responsible for Sorafenib-Induced Cardiotoxicity. Toxicological Sciences, 2015, 143, 374-384.	3.1	27
29	Comparative Transcriptome Analysis Identifies CCDC80 as a Novel Gene Associated with Pulmonary Arterial Hypertension. Frontiers in Pharmacology, 2016, 7, 142.	3.5	27
30	Pharmacogenomics of Cardiovascular Pharmacology: Pharmacogenomic Network of Cardiovascular Disease Models. Journal of Pharmacological Sciences, 2008, 107, 8-14.	2.5	25
31	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.	3.5	24
32	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.	3.5	24
33	Novel immunologic tolerance of human cancer cell xenotransplants in zebrafish. Translational Research, 2016, 170, 89-98.e3.	5.0	24
34	Copper Oxide Nanoparticles Reduce Vasculogenesis in Transgenic Zebrafish Through Down-Regulation of Vascular Endothelial Growth Factor Expression and Induction of Apoptosis. Journal of Nanoscience and Nanotechnology, 2015, 15, 2140-2147.	0.9	22
35	Zinc finger MYNDâ€type containing 8 promotes tumour angiogenesis via induction of vascular endothelial growth factorâ€A expression. FEBS Letters, 2014, 588, 3409-3416.	2.8	21
36	Pharmacogenomics and Therapeutic Target Validation in Cerebral Vasospasm. Journal of Cardiovascular Pharmacology, 2000, 36, S1-S4.	1.9	21

#	Article	IF	Citations
37	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.	3.2	18
38	Activation of Sterol Regulatory Element Binding Factors by Fenofibrate and Gemfibrozil Stimulates Myelination in Zebrafish. Frontiers in Pharmacology, 2016, 7, 206.	3.5	17
39	Synergistic induction of heme oxygenase-1 by nicaraven after subarachnoid hemorrhage to prevent delayed cerebral vasospasm. European Journal of Pharmacology, 2009, 620, 16-20.	3.5	16
40	E2F4 Promotes Neuronal Regeneration and Functional Recovery after Spinal Cord Injury in Zebrafish. Frontiers in Pharmacology, 2016, 7, 119.	3.5	16
41	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.	0.6	16
42	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.	3.4	16
43	Aging-associated microstructural deterioration of vertebra in zebrafish. Bone Reports, 2019, 11, 100215.	0.4	15
44	Fluorescent-Based Methods for Gene Knockdown and Functional Cardiac Imaging in Zebrafish. Molecular Biotechnology, 2013, 55, 131-142.	2.4	13
45	EP300 Protects from Light-Induced Retinopathy in Zebrafish. Frontiers in Pharmacology, 2016, 7, 126.	3.5	13
46	Increased susceptibility to oxidative stress-induced toxicological evaluation by genetically modified nrf2a-deficient zebrafish. Journal of Pharmacological and Toxicological Methods, 2019, 96, 34-45.	0.7	10
47	Interaction of propranolol with S100 proteins of the cardiac muscle. European Journal of Pharmacology, 1996, 315, 335-338.	3.5	9
48	InÂvivo selective imaging and inhibition of leukemia stem-like cells using the fluorescent carbocyanine derivative, DiOC5(3). Biomaterials, 2015, 52, 14-25.	11.4	9
49	A Unique Exonâ€“Intron Organization of a Porcine S100C Gene: Close Evolutionary Relationship to Calmodulin Genes. Biochemical and Biophysical Research Communications, 1998, 243, 647-652.	2.1	8
50	C3orf70 Is Involved in Neural and Neurobehavioral Development. Pharmaceuticals, 2019, 12, 156.	3.8	8
51	Zebrafish-Based Systems Pharmacology of Cancer Metastasis. Methods in Molecular Biology, 2014, 1165, 223-238.	0.9	8
52	Generation of a Triple-Transgenic Zebrafish Line for Assessment of Developmental Neurotoxicity during Neuronal Differentiation. Pharmaceuticals, 2019, 12, 145.	3.8	6
53	Generation of a Transgenic Zebrafish Line for In Vivo Assessment of Hepatic Apoptosis. Pharmaceuticals, 2021, 14, 1117.	3.8	3
54	New photic stimulating system with white light-emitting diodes to elicit electroretinograms from zebrafish larvae. Documenta Ophthalmologica, 2017, 135, 147-154.	2.2	2

#	Article	IF	Citations
55	Zebrafish yolk sac microinjection of thalidomide for assessment of developmental toxicology. Congenital Anomalies (discontinued), 2020, 60, 71-72.	0.6	2
56	Purification and Characterization ofTora-mame(Phaseolus vulgaris) Seed Calmodulin. Agricultural and Biological Chemistry, 1990, 54, 2641-2647.	0.3	0
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58	Title is missing!. Comparative Endocrinology, 2010, 36, 38-43.	0.1	0
59	Zebrafish-Based Drug Discovery and Precision Medicine. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-10-25.	0.0	0
60	Patient-Derived Cancer Xenograft Xebrafish Model (PDXZ) and Personalized Medicine. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2020, 93, 3-O-120.	0.0	0