

Yasuhito Shimada

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

2,825
citations

186209

28
h-index

189801

50
g-index

89
all docs

89
docs citations

89
times ranked

3745
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcriptome analysis of molecular response to UVC irradiation in zebrafish embryos. <i>Ecotoxicology and Environmental Safety</i> , 2022, 231, 113211.	2.9	3
2	Zebrafish obesogenic test identifies anti-adipogenic fraction in <i>Moringa oreifera</i> leaf extracts. <i>Food Science and Nutrition</i> , 2022, 10, 1248-1256.	1.5	1
3	Combined exposure to nanoplastics and metal oxide nanoparticles inhibits efflux pumps and causes oxidative stress in zebrafish embryos. <i>Science of the Total Environment</i> , 2022, 835, 155436.	3.9	14
4	Application of omics approaches for assessing microplastic and nanoplastic toxicity in fish and seafood species. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 154, 116674.	5.8	14
5	A comprehensive review on environmental toxicity of azole compounds to fish. <i>Chemosphere</i> , 2021, 262, 128335.	4.2	57
6	Messenger RNA typing of environmental RNA (eRNA): A case study on zebrafish tank water with perspectives for the future development of eRNA analysis on aquatic vertebrates. <i>Environmental DNA</i> , 2021, 3, 14-21.	3.1	51
7	Toxicological interactions of microplastics/nanoplastics and environmental contaminants: Current knowledge and future perspectives. <i>Journal of Hazardous Materials</i> , 2021, 405, 123913.	6.5	241
8	Globin Digest Exerts Anti-Obesity Effects through UCP1 Upregulation in Zebrafish and Mouse Obesity Models. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2021, 94, 2-Y-E2-3.	0.0	0
9	Oncocardiology of Anticancer Molecular Target Drugs. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2021, 94, 1-O-D2-3.	0.0	0
10	From zebrafish to human: Rhamnan sulfate improves constipation with alteration of gut microbiota.. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2021, 94, 3-O-G4-3.	0.0	0
11	10-Gingerol Suppresses Osteoclastogenesis in RAW264.7 Cells and Zebrafish Osteoporotic Scales. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 588093.	1.8	8
12	Preventive Effects of Green Tea Extract against Obesity Development in Zebrafish. <i>Molecules</i> , 2021, 26, 2627.	1.7	9
13	Worming into a robust model to unravel the micro/nanoplastic toxicity in soil: A review on <i>Caenorhabditis elegans</i> . <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 138, 116235.	5.8	15
14	Toxicity of Jegosaponins A and B from <i>Styrax japonica</i> Siebold et al. Zuccarini in Prostate Cancer Cells and Zebrafish Embryos Resulting from Increased Membrane Permeability. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6354.	1.8	10
15	Rhamnan sulphate from green algae <i>Monostroma nitidum</i> improves constipation with gut microbiome alteration in double-blind placebo-controlled trial. <i>Scientific Reports</i> , 2021, 11, 13384.	1.6	13
16	Ecotoxicological effects of TiO ₂ nanoparticulates and bulk Ti on microalgae <i>Chaetoceros muelleri</i> . <i>Environmental Technology and Innovation</i> , 2021, 23, 101720.	3.0	15
17	Globin Digest Improves Visceral Adiposity Through UCP1 Upregulation in Diet-Induced Obese Zebrafish and Mice. <i>Frontiers in Nutrition</i> , 2021, 8, 650975.	1.6	1
18	Effects of nanoplastic on toxicity of azole fungicides (ketoconazole and fluconazole) in zebrafish embryos. <i>Science of the Total Environment</i> , 2021, 800, 149463.	3.9	36

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19	Developing a Model for a siRNA Delivery System by Cancer Implantation into Zebrafish Circulation. <i>Methods in Molecular Biology</i> , 2021, 2174, 263-275.	0.4	2
20	Water Extract of Yamato Tachibana (<i>Citrus tachibana</i>) Induces Food Intake in Adult and Larval Zebrafish. <i>Journal of Medicinal Food</i> , 2020, 23, 65-71.	0.8	2
21	Anti-Obesity Natural Products Tested in Juvenile Zebrafish Obesogenic Tests and Mouse 3T3-L1 Adipogenesis Assays. <i>Molecules</i> , 2020, 25, 5840.	1.7	13
22	Lacto-Fermented Cauliflower Fungus (<i>Sparassis crispa</i>) Ameliorates Hepatic Steatosis by Activating Beta-Oxidation in Diet-Induced Obese Zebrafish. <i>Journal of Medicinal Food</i> , 2020, 23, 803-810.	0.8	7
23	Therapeutic silencing of centromere protein X ameliorates hyperglycemia in zebra fish and mouse models of type 2 diabetes mellitus. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2020, 93, 1-YIA-11.	0.0	0
24	Determination of Anthocyanins and Antioxidants in <i>Titanbicus</i> ™ Edible Flowers In Vitro and In Vivo. <i>Plant Foods for Human Nutrition</i> , 2020, 75, 265-271.	1.4	10
25	Zebrafish: An emerging model to study microplastic and nanoplastic toxicity. <i>Science of the Total Environment</i> , 2020, 728, 138707.	3.9	234
26	Lecithin-Based Dermal Drug Delivery for Anti-Pigmentation Maize Ceramide. <i>Molecules</i> , 2020, 25, 1595.	1.7	10
27	Natural product drug discovery using zebrafish screening: Anti-obese constituents hunting by combination with culture cells and mice experiments.. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2020, 93, 2-O-028.	0.0	0
28	Aging-associated microstructural deterioration of vertebra in zebrafish. <i>Bone Reports</i> , 2019, 11, 100215.	0.2	15
29	Therapeutic Silencing of Centromere Protein X Ameliorates Hyperglycemia in Zebrafish and Mouse Models of Type 2 Diabetes Mellitus. <i>Frontiers in Genetics</i> , 2019, 10, 693.	1.1	3
30	RNA-seq Based Transcriptome Analysis of the Anti-Obesity Effect of Green Tea Extract Using Zebrafish Obesity Models. <i>Molecules</i> , 2019, 24, 3256.	1.7	28
31	Microbiome Alteration in Type 2 Diabetes Mellitus Model of Zebrafish. <i>Scientific Reports</i> , 2019, 9, 867.	1.6	30
32	An Integrative Evaluation Method for the Biological Safety of Down and Feather Materials. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1434.	1.8	4
33	ZF-Mapper: Simple and Complete Freeware for Fluorescence Quantification in Zebrafish Images. <i>Zebrafish</i> , 2019, 16, 233-239.	0.5	15
34	Toxicological Evaluation of SiO ₂ Nanoparticles by Zebrafish Embryo Toxicity Test. <i>International Journal of Molecular Sciences</i> , 2019, 20, 882.	1.8	48
35	ZF-AutoML: An Easy Machine-Learning-Based Method to Detect Anomalies in Fluorescent-Labelled Zebrafish. <i>Inventions</i> , 2019, 4, 72.	1.3	7
36	Infection and RNA-seq analysis of a zebrafish tlr2 mutant shows a broad function of this toll-like receptor in transcriptional and metabolic control and defense to <i>Mycobacterium marinum</i> infection. <i>BMC Genomics</i> , 2019, 20, 878.	1.2	21

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37	Discovery of anti-melanoma effect of flubendazole by zebrafish platform.. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2019, 92, 2-O-13.	0.0	0
38	Dried Rotifer Sheet: A Novel Live Feed for Rearing First-Feeding Larvae. Zebrafish, 2018, 15, 291-294.	0.5	3
39	Novel Anti-Obesity Properties of <i>Palmaria mollis</i> in Zebrafish and Mouse Models. Nutrients, 2018, 10, 1401.	1.7	29
40	Performing DNA nanotechnology operations on a zebrafish. Chemical Science, 2018, 9, 7271-7276.	3.7	17
41	Lipidomic Profiling on Oxidized Phospholipids in Type 2 Diabetes Mellitus Model Zebrafish. Analytical Sciences, 2018, 34, 1201-1208.	0.8	17
42	Development of a Novel Zebrafish Model for Type 2 Diabetes Mellitus. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-5-34.	0.0	0
43	Cross-species Discovery of Flubendazole against Melanoma Progression via MITF Downregulation and EMT Inhibition. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-6-31.	0.0	0
44	Marine Drug Discovery: Anti-obesity Mechanism of <i>Palmaria Mollis</i> in Zebrafish and Mice. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, OR33-2.	0.0	0
45	Development of a Novel Zebrafish Model for Type 2 Diabetes Mellitus. Scientific Reports, 2017, 7, 1461.	1.6	121
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. Heliyon, 2017, 3, e00266.	1.4	18
47	Application of Coiled Coil Peptides in Liposomal Anticancer Drug Delivery Using a Zebrafish Xenograft Model. ACS Nano, 2016, 10, 7428-7435.	7.3	66
48	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
49	Novel immunologic tolerance of human cancer cell xenotransplants in zebrafish. Translational Research, 2016, 170, 89-98.e3.	2.2	24
50	Repeated Blood Collection for Blood Tests in Adult Zebrafish. Journal of Visualized Experiments, 2015, , e53272.	0.2	56
51	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
52	Rhamnan sulphate from <i>Monostroma nitidum</i> attenuates hepatic steatosis by suppressing lipogenesis in a diet-induced obesity zebrafish model. Journal of Functional Foods, 2015, 17, 364-370.	1.6	38
53	E2F8 promotes hepatic steatosis through FABP3 expression in diet-induced obesity in zebrafish. Nutrition and Metabolism, 2015, 12, 17.	1.3	36
54	In vivo selective imaging and inhibition of leukemia stem-like cells using the fluorescent carbocyanine derivative, DiOC5(3). Biomaterials, 2015, 52, 14-25.	5.7	9

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55	Copper Oxide Nanoparticles Reduce Vasculogenesis in Transgenic Zebrafish Through Down-Regulation of Vascular Endothelial Growth Factor Expression and Induction of Apoptosis. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 2140-2147.	0.9	22
56	Downregulation of Stanniocalcin 1 Is Responsible for Sorafenib-Induced Cardiotoxicity. <i>Toxicological Sciences</i> , 2015, 143, 374-384.	1.4	27
57	Zebrafish as a systems toxicology model for developmental neurotoxicity testing. <i>Congenital Anomalies (discontinued)</i> , 2015, 55, 1-16.	0.3	140
58	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
59	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
60	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
61	Effects of Yuzu (<i>Citrus junos</i> Siebold ex Tanaka) peel on the diet-induced obesity in a zebrafish model. <i>Journal of Functional Foods</i> , 2014, 10, 499-510.	1.6	42
62	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
63	Eriocitrin ameliorates diet-induced hepatic steatosis with activation of mitochondrial biogenesis. <i>Scientific Reports</i> , 2014, 4, 3708.	1.6	90
64	Zebrafish-Based Systems Pharmacology of Cancer Metastasis. <i>Methods in Molecular Biology</i> , 2014, 1165, 223-238.	0.4	8
65	Fluorescent-Based Methods for Gene Knockdown and Functional Cardiac Imaging in Zebrafish. <i>Molecular Biotechnology</i> , 2013, 55, 131-142.	1.3	13
66	A Novel, Reliable Method for Repeated Blood Collection from Aquarium Fish. <i>Zebrafish</i> , 2013, 10, 425-432.	0.5	69
67	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
68	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
69	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
70	A High-Throughput Fluorescence-Based Assay System for Appetite-Regulating Gene and Drug Screening. <i>PLoS ONE</i> , 2012, 7, e52549.	1.1	65
71	A Novel Protocol for the Oral Administration of Test Chemicals to Adult Zebrafish. <i>Zebrafish</i> , 2011, 8, 203-210.	0.5	42
72	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

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73	Japanese Journal of Clinical Pharmacology and Therapeutics		
74	In vivo imaging of zebrafish retinal cells using fluorescent coumarin derivatives. BMC Neuroscience, 2010, 11, 116.	0.8	35
75	Diet-induced obesity in zebrafish shares common pathophysiological pathways with mammalian obesity. BMC Physiology, 2010, 10, 21.	3.6	302
76	Synergistic induction of heme oxygenase-1 by nicaraven after subarachnoid hemorrhage to prevent delayed cerebral vasospasm. European Journal of Pharmacology, 2009, 620, 16-20.	1.7	16
77	Zebrafish β -adrenergic receptor mRNA expression and control of pigmentation. Gene, 2009, 446, 18-27.	1.0	72
78	Pharmacogenomics of Cardiovascular Pharmacology: Pharmacogenomic Network of Cardiovascular Disease Models. Journal of Pharmacological Sciences, 2008, 107, 8-14.	1.1	25
79	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
80	Item-Specific Processing and Prose Recall: Youth With Mild Mental Retardation. Japanese Journal of Educational Psychology, 2007, 55, 208-218.	0.1	0
81	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
82	Rapid and stable buffer exchange system using InSitu Chip suitable for multicolor and large-scale whole-mount analyses. Development Genes and Evolution, 2006, 216, 100-104.	0.4	25
83	Prior Intraperitoneal Injection of Rat Recombinant IL-6 Increases Hypothalamic IL-6 Contents in Subsequent Forced Swim Stressor in Rats. Neuropsychobiology, 2006, 54, 186-194.	0.9	2
84	Changes in cyclic nucleotide phosphodiesterase activity and calmodulin concentration in heart muscle of cardiomyopathic hamsters. Journal of Molecular and Cellular Cardiology, 2004, 37, 767-774.	0.9	10
85	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