

Nataschia Tiso

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5002724/publications.pdf>

Version: 2024-02-01

106
papers

6,567
citations

101543

36
h-index

64796

79
g-index

117
all docs

117
docs citations

117
times ranked

6798
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutations in the Cardiac Ryanodine Receptor Gene (<i>hRyR2</i>) Underlie Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Circulation</i> , 2001, 103, 196-200.	1.6	1,291
2	Identification of mutations in the cardiac ryanodine receptor gene in families affected with arrhythmogenic right ventricular cardiomyopathy type 2 (ARVD2). <i>Human Molecular Genetics</i> , 2001, 10, 189-194.	2.9	709
3	Mutations of the Cardiac Ryanodine Receptor (RyR2) Gene in Familial Polymorphic Ventricular Tachycardia. <i>Circulation</i> , 2001, 103, 485-490.	1.6	692
4	In vivo Wnt signaling tracing through a transgenic biosensor fish reveals novel activity domains. <i>Developmental Biology</i> , 2012, 366, 327-340.	2.0	227
5	Screening for ryanodine receptor type 2 mutations in families with effort-induced polymorphic ventricular arrhythmias and sudden death. <i>Journal of the American College of Cardiology</i> , 2002, 40, 341-349.	2.8	213
6	A new locus for arrhythmogenic right ventricular cardiomyopathy (ARVD2) maps to chromosome 1q42-q43. <i>Human Molecular Genetics</i> , 1995, 4, 2151-2154.	2.9	210
7	Thyroid gland development and function in the zebrafish model. <i>Molecular and Cellular Endocrinology</i> , 2009, 312, 14-23.	3.2	177
8	Telethonin, a novel sarcomeric protein of heart and skeletal muscle. <i>FEBS Letters</i> , 1997, 415, 163-168.	2.8	171
9	ARVD4, a New Locus for Arrhythmogenic Right Ventricular Cardiomyopathy, Maps to Chromosome 2 Long Arm. <i>Genomics</i> , 1997, 45, 259-263.	2.9	170
10	Molecular and functional characterisation of the zebrafish (<i>Danio rerio</i>) PEPT1-type peptide transporter1. <i>FEBS Letters</i> , 2003, 549, 115-122.	2.8	147
11	BMP signalling regulates anteroposterior endoderm patterning in zebrafish. <i>Mechanisms of Development</i> , 2002, 118, 29-37.	1.7	146
12	Evolutionary conserved role of ptf1a in the specification of exocrine pancreatic fates. <i>Developmental Biology</i> , 2004, 268, 174-184.	2.0	101
13	Developmental and Tumor Angiogenesis Requires the Mitochondria-Shaping Protein Opa1. <i>Cell Metabolism</i> , 2020, 31, 987-1003.e8.	16.2	101
14	Distinct delta and jagged genes control sequential segregation of pancreatic cell types from precursor pools in zebrafish. <i>Developmental Biology</i> , 2007, 301, 192-204.	2.0	95
15	Optical mapping of neuronal activity during seizures in zebrafish. <i>Scientific Reports</i> , 2017, 7, 3025.	3.3	95
16	Wnt activation promotes neuronal differentiation of Glioblastoma. <i>Cell Death and Disease</i> , 2013, 4, e500-e500.	6.3	89
17	Function and regulation of zebrafish nkx2.2a during development of pancreatic islet and ducts. <i>Developmental Biology</i> , 2007, 304, 875-890.	2.0	81
18	Zebrafish pancreas development. <i>Molecular and Cellular Endocrinology</i> , 2009, 312, 24-30.	3.2	79

#	ARTICLE	IF	CITATIONS
19	Venous-derived angioblasts generate organ-specific vessels during embryonic development. <i>Development (Cambridge)</i> , 2015, 142, 4266-78.	2.5	72
20	A Comprehensive, High-Resolution Genomic Transcript Map of Human Skeletal Muscle. <i>Genome Research</i> , 1998, 8, 817-825.	5.5	69
21	Generation and application of signaling pathway reporter lines in zebrafish. <i>Molecular Genetics and Genomics</i> , 2013, 288, 231-242.	2.1	66
22	nr3c1 null mutant zebrafish are viable and reveal DNA-binding-independent activities of the glucocorticoid receptor. <i>Scientific Reports</i> , 2017, 7, 4371.	3.3	64
23	Prep1.1 has essential genetic functions in hindbrain development and cranial neural crest cell differentiation. <i>Development (Cambridge)</i> , 2004, 131, 613-627.	2.5	62
24	TUBA8: A New Tissue-Specific Isoform of α -Tubulin That Is Highly Conserved in Human and Mouse. <i>Biochemical and Biophysical Research Communications</i> , 2000, 270, 1111-1118.	2.1	55
25	Knock-down of pantothenate kinase 2 severely affects the development of the nervous and vascular system in zebrafish, providing new insights into PKAN disease. <i>Neurobiology of Disease</i> , 2016, 85, 35-48.	4.4	55
26	JAG1 Loss-Of-Function Variations as a Novel Predisposing Event in the Pathogenesis of Congenital Thyroid Defects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 861-870.	3.6	54
27	Fine Mapping of Five Human Skeletal Muscle Genes: Alpha-Tropomyosin, Beta-Tropomyosin, Troponin-I Slow-Twitch, Troponin-I Fast-Twitch, and Troponin-C Fast. <i>Biochemical and Biophysical Research Communications</i> , 1997, 230, 347-350.	2.1	52
28	A Smad3 transgenic reporter reveals TGF-beta control of zebrafish spinal cord development. <i>Developmental Biology</i> , 2014, 396, 81-93.	2.0	52
29	The binding of the RyR2 calcium channel to its gating protein FKBP12.6 is oppositely affected by ARVD2 and VTSIP mutations. <i>Biochemical and Biophysical Research Communications</i> , 2002, 299, 594-598.	2.1	51
30	Disruptions of Global and Jagged1-Mediated Notch Signaling Affect Thyroid Morphogenesis in the Zebrafish. <i>Endocrinology</i> , 2012, 153, 5645-5658.	2.8	50
31	Characterization of C14orf4, a Novel Intronless Human Gene Containing a Polyglutamine Repeat, Mapped to the ARVD1 Critical Region. <i>Biochemical and Biophysical Research Communications</i> , 2000, 278, 766-774.	2.1	49
32	High-affinity peptide transporter PEPT2 (SLC15A2) of the zebrafish <i>Danio rerio</i> : functional properties, genomic organization, and expression analysis. <i>Physiological Genomics</i> , 2006, 24, 207-217.	2.3	48
33	Down-regulation of coasy, the gene associated with NBIA-VI, reduces Bmp signaling, perturbs dorso-ventral patterning and alters neuronal development in zebrafish. <i>Scientific Reports</i> , 2016, 6, 37660.	3.3	42
34	Expression analysis of jagged genes in zebrafish embryos. <i>Developmental Dynamics</i> , 2005, 233, 638-645.	1.8	39
35	Loss of cardiac Wnt/ β -catenin signalling in desmoplakin-deficient AC8 zebrafish models is rescuable by genetic and pharmacological intervention. <i>Cardiovascular Research</i> , 2018, 114, 1082-1097.	3.8	39
36	Y705 and S727 are required for the mitochondrial import and transcriptional activities of STAT3, and for regulation of stem cell proliferation. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	38

#	ARTICLE	IF	CITATIONS
37	A novel functional role of iduronate-2-sulfatase in zebrafish early development. <i>Matrix Biology</i> , 2010, 29, 43-50.	3.6	37
38	Zebrafish reporter lines reveal in vivo signaling pathway activities involved in pancreatic cancer. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 883-94.	2.4	37
39	The basic helix-loop-helix olig3 establishes the neural plate boundary of the trunk and is necessary for development of the dorsal spinal cord. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4377-4382.	7.1	36
40	Mutant MYO1F alters the mitochondrial network and induces tumor proliferation in thyroid cancer. <i>International Journal of Cancer</i> , 2018, 143, 1706-1719.	5.1	35
41	Bessel Beam Illumination Reduces Random and Systematic Errors in Quantitative Functional Studies Using Light-Sheet Microscopy. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 315.	3.7	34
42	Developmental defects and neuromuscular alterations due to mitofusin 2 gene (MFN2) silencing in zebrafish: a new model for Charcot-Marie-Tooth type 2A neuropathy. <i>Neuromuscular Disorders</i> , 2011, 21, 58-67.	0.6	33
43	CD271 Down-Regulation Promotes Melanoma Progression and Invasion in Three-Dimensional Models and in Zebrafish. <i>Journal of Investigative Dermatology</i> , 2016, 136, 2049-2058.	0.7	33
44	Molecular cloning and biochemical characterization of sialidases from zebrafish (<i>Danio rerio</i>). <i>Journal of Molecular Biology</i> , 2000, 300, 462-472.	3.7	28
45	Flexible Multi-Beam Light-Sheet Fluorescence Microscope for Live Imaging Without Striping Artifacts. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 7.	1.7	25
46	Sox10 contributes to the balance of fate choice in dorsal root ganglion progenitors. <i>PLoS ONE</i> , 2017, 12, e0172947.	2.5	24
47	Chromosomal Localization of the Human Genes, CPP32, Mch2, Mch3, and lch-1, Involved in Cellular Apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 1996, 225, 983-989.	2.1	23
48	Dual-beam confocal light-sheet microscopy via flexible acousto-optic deflector. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	2.6	22
49	New Insights into the Runt Domain of RUNX2 in Melanoma Cell Proliferation and Migration. <i>Cells</i> , 2018, 7, 220.	4.1	21
50	The zebrafish orthologue of the human hepatocerebral disease gene <i>MPV17</i> plays pleiotropic roles in mitochondria. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	2.4	21
51	The stem-like STAT3-responsive cells of zebrafish intestine are Wnt/ β -catenin dependent. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	21
52	Monitoring Wnt Signaling in Zebrafish Using Fluorescent Biosensors. <i>Methods in Molecular Biology</i> , 2016, 1481, 81-94.	0.9	19
53	Runx2 stimulates neoangiogenesis through the Runt domain in melanoma. <i>Scientific Reports</i> , 2019, 9, 8052.	3.3	19
54	miR-7 Controls the Dopaminergic/Oligodendroglial Fate through Wnt/ β -catenin Signaling Regulation. <i>Cells</i> , 2020, 9, 711.	4.1	18

#	ARTICLE	IF	CITATIONS
55	Tcf7l2 plays pleiotropic roles in the control of glucose homeostasis, pancreas morphology, vascularization and regeneration. <i>Scientific Reports</i> , 2017, 7, 9605.	3.3	16
56	Effects of excitation light polarization on fluorescence emission in two-photon light-sheet microscopy. <i>Biomedical Optics Express</i> , 2020, 11, 4651.	2.9	16
57	Fast whole-brain imaging of seizures in zebrafish larvae by two-photon light-sheet microscopy. <i>Biomedical Optics Express</i> , 2022, 13, 1516.	2.9	16
58	Emilin genes are duplicated and dynamically expressed during zebrafish embryonic development. <i>Developmental Dynamics</i> , 2008, 237, 222-232.	1.8	15
59	Activation of cGMP-Dependent Protein Kinase Restricts Melanoma Growth and Invasion by Interfering with the EGF/EGFR Pathway. <i>Journal of Investigative Dermatology</i> , 2022, 142, 201-211.	0.7	15
60	Glucocorticoid receptor activities in the zebrafish model: a review. <i>Journal of Endocrinology</i> , 2020, 247, R63-R82.	2.6	15
61	The preliminary transcript map of a human skeletal muscle. <i>Human Molecular Genetics</i> , 1997, 6, 1445-1450.	2.9	14
62	Fine Mapping and Genomic Structure of ACTN2, the Human Gene Coding for the Sarcomeric Isoform of β -Actinin-2, Expressed in Skeletal and Cardiac Muscle. <i>Biochemical and Biophysical Research Communications</i> , 1999, 265, 256-259.	2.1	14
63	Notch controls the cell cycle to define leader versus follower identities during collective cell migration. <i>ELife</i> , 2022, 11, .	6.0	14
64	Differential expression and regulation of <i>olig2</i> genes in zebrafish. <i>Journal of Comparative Neurology</i> , 2009, 515, 378-396.	1.6	13
65	Efficient clofilium tosylate-mediated rescue of POLG-related disease phenotypes in zebrafish. <i>Cell Death and Disease</i> , 2021, 12, 100.	6.3	13
66	prep1.2 and aldh1a2 participate to a positive loop required for branchial arches development in zebrafish. <i>Developmental Biology</i> , 2010, 343, 94-103.	2.0	12
67	Colored visual stimuli evoke spectrally tuned neuronal responses across the central nervous system of zebrafish larvae. <i>BMC Biology</i> , 2020, 18, 172.	3.8	12
68	Methylsulfonylmethane enhances MSC chondrogenic commitment and promotes pre-osteoblasts formation. <i>Stem Cell Research and Therapy</i> , 2021, 12, 326.	5.5	12
69	BEL β 2-Trefoil Reduces the Migration Ability of RUNX2 Expressing Melanoma Cells in Xenotransplanted Zebrafish. <i>Molecules</i> , 2020, 25, 1270.	3.8	11
70	Fine Mapping of the Human Endothelin-Converting Enzyme Gene by Fluorescent in Situ Hybridization and Radiation Hybrids. <i>Biochemical and Biophysical Research Communications</i> , 1996, 221, 682-687.	2.1	8
71	Italian population data for D1S1656, D3S1358, D8S1132, D10S2325, VWA, FES/FPS, and F13A01. <i>Forensic Science International</i> , 2001, 123, 71-73.	2.2	8
72	Novel pathogenic role for galectin-3 in early disease stages of arrhythmogenic cardiomyopathy. <i>Heart Rhythm</i> , 2021, 18, 1394-1403.	0.7	8

#	ARTICLE	IF	CITATIONS
73	A GFP-Tagged Gross Deletion on Chromosome 1 Causes Malignant Peripheral Nerve Sheath Tumors and Carcinomas in Zebrafish. PLoS ONE, 2015, 10, e0145178.	2.5	7
74	Specific Activation of the CD271 Intracellular Domain in Combination with Chemotherapy or Targeted Therapy Inhibits Melanoma Progression. Cancer Research, 2021, 81, 6044-6057.	0.9	7
75	Macrophage-Mediated Melanoma Reduction after HP-NAP Treatment in a Zebrafish Xenograft Model. International Journal of Molecular Sciences, 2022, 23, 1644.	4.1	7
76	The Zebrafish model in dermatology: an update for clinicians. Discover Oncology, 2022, 13, .	2.1	7
77	Chromosome assignment of 115 expressed sequence tags (ESTs) from human skeletal muscle. Cytogenetic and Genome Research, 1997, 76, 144-152.	1.1	6
78	Multimodal Characterization of Seizures in Zebrafish Larvae. Biomedicines, 2022, 10, 951.	3.2	6
79	Chromosomal localization of four MAPK signaling cascade genes: MEK1, MEK3, MEK4 and MEK5. Cytogenetic and Genome Research, 1997, 78, 301-303.	1.1	5
80	<i>mll</i> ortholog containing functional domains of human <i>MLL</i> is expressed throughout the zebrafish lifespan and in haematopoietic tissues. British Journal of Haematology, 2011, 152, 307-321.	2.5	5
81	Advantages and Challenges of Cardiovascular and Lymphatic Studies in Zebrafish Research. Frontiers in Cell and Developmental Biology, 2019, 7, 89.	3.7	5
82	STK11 Prevents Invasion through Signal Transducer and Activator of Transcription 3/5 and FAK Repression in Cutaneous Melanoma. Journal of Investigative Dermatology, 2022, 142, 1171-1182.e10.	0.7	5
83	Mutation in the mouse histone gene Hist2h3c1 leads to degeneration of the lens vesicle and severe microphthalmia. Experimental Eye Research, 2019, 188, 107632.	2.6	4
84	Two-photon high-speed light-sheet volumetric imaging of brain activity during sleep in zebrafish larvae. , 2020, , .		4
85	Two-photon light-sheet microscopy for high-speed whole-brain functional imaging of zebrafish neuronal physiology and pathology. , 2020, , .		4
86	Biodegradable nanoparticles combining cancer cell targeting and anti-angiogenic activity for synergistic chemotherapy in epithelial cancer. Drug Delivery and Translational Research, 2022, 12, 2488-2500.	5.8	4
87	Multiple Mechanisms Converging on Transcription Factor EB Activation by the Natural Phenol Pterostilbene. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-19.	4.0	4
88	Direct activation of zebrafish neurons by ultrasonic stimulation revealed by whole CNS calcium imaging. Journal of Neural Engineering, 2020, 17, 056033.	3.5	2
89	af9 Regulates gata2 Expression During Early Hemangioblast Specification and Vascular Pattern Formation In Zebrafish.. Blood, 2010, 116, 2600-2600.	1.4	1
90	Gene symbol: RYR2. Disease: Arrhythmogenic right ventricular cardiomyopathy type 2. Human Genetics, 2004, 114, 405.	3.8	1

#	ARTICLE	IF	CITATIONS
91	457 The lack of CD271 favors melanoma metastasis in zebrafish and is associated with a reduced cell-cell adhesion. <i>Journal of Investigative Dermatology</i> , 2016, 136, S238.	0.7	0
92	Mitochondrial DNA depletion and OXPHOS complex impairment modify hypoxia signaling pathway activity in zebrafish. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, e81.	1.0	0
93	The mitochondrial shaping protein Optic Atrophy 1 (OPA1) controls angiogenesis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, e110.	1.0	0
94	A novel non-rigid registration algorithm for zebrafish larval images. , 2017, 2017, 321-324.		0
95	115 Activation of CD271 neurotrophin receptor favors differentiation and reduces invasiveness of squamous cell carcinoma by in vitro and in vivo studies. <i>Journal of Investigative Dermatology</i> , 2019, 139, S20.	0.7	0
96	437 Neurotrophin receptors exert opposing effects in the development and invasiveness of cutaneous squamous cell carcinoma. <i>Journal of Investigative Dermatology</i> , 2019, 139, S290.	0.7	0
97	P3828Zebrafish models for arrhythmogenic cardiomyopathy type 8: a starting platform for exercise stress test and drug treatment. <i>European Heart Journal</i> , 2019, 40, .	2.2	0
98	482 Biomolecular profile and reflectance confocal microscopy refine diagnosis and predict response to therapy in melanoma subsets. <i>Journal of Investigative Dermatology</i> , 2019, 139, S297.	0.7	0
99	051 CD271 activation reduces SCC spheroid aggressiveness, modulates keratinocyte differentiation and favors response to therapy. <i>Journal of Investigative Dermatology</i> , 2021, 141, S9.	0.7	0
100	Transgenesis, mutagenesis, knockdown, and genetic colony management. , 2022, , 139-155.		0
101	Molecular genetics of arrhythmogenic right ventricular cardiomyopathy. , 2000, , 77-80.		0
102	Allele Frequency Distributions for D1S1656, D8S1132, D10S2325, D18S51, and D21S11 Loci in a North Italy Population. <i>Journal of Forensic Sciences</i> , 2001, 46, 191-191.	1.6	0
103	The Human AF9 Homologue in Zebrafish Is Involved in Primitive Hematopoietic Development.. <i>Blood</i> , 2009, 114, 3653-3653.	1.4	0
104	The zebrafish, a teleost model recapitulating the mammalian molecular events during endocrine development and function. <i>Endocrine Abstracts</i> , 0, , .	0.0	0
105	Polarization Sensitive Optical Coherence Tomography for Zebrafish Imaging. , 2015, , .		0
106	An adaptive registration algorithm for zebrafish larval brain images. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 216, 106658.	4.7	0