

Natascia 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 | 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 |
| 2 | Transgenesis, mutagenesis, knockdown, and genetic colony management. , 2022, , 139-155. | | 0 |
| 3 | STK11 Prevents Invasion through Signal Transducer and Activator of Transcription 3/5 and FAK Repression in Cutaneous Melanoma. <i>Journal of Investigative Dermatology</i> , 2022, 142, 1171-1182.e10. | 0.7 | 5 |
| 4 | 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 |
| 5 | Biodegradable nanoparticles combining cancer cell targeting and anti-angiogenic activity for synergistic chemotherapy in epithelial cancer. <i>Drug Delivery and Translational Research</i> , 2022, 12, 2488-2500. | 5.8 | 4 |
| 6 | Macrophage-Mediated Melanoma Reduction after HP-NAP Treatment in a Zebrafish Xenograft Model. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1644. | 4.1 | 7 |
| 7 | An adaptive registration algorithm for zebrafish larval brain images. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 216, 106658. | 4.7 | 0 |
| 8 | Multimodal Characterization of Seizures in Zebrafish Larvae. <i>Biomedicines</i> , 2022, 10, 951. | 3.2 | 6 |
| 9 | Notch controls the cell cycle to define leader versus follower identities during collective cell migration. <i>ELife</i> , 2022, 11, . | 6.0 | 14 |
| 10 | The Zebrafish model in dermatology: an update for clinicians. <i>Discover Oncology</i> , 2022, 13, . | 2.1 | 7 |
| 11 | Efficient clofilium tosylate-mediated rescue of POLG-related disease phenotypes in zebrafish. <i>Cell Death and Disease</i> , 2021, 12, 100. | 6.3 | 13 |
| 12 | 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 |
| 13 | Methylsulfonylmethane enhances MSC chondrogenic commitment and promotes pre-osteoblasts formation. <i>Stem Cell Research and Therapy</i> , 2021, 12, 326. | 5.5 | 12 |
| 14 | Novel pathogenic role for galectin-3 in early disease stages of arrhythmogenic cardiomyopathy. <i>Heart Rhythm</i> , 2021, 18, 1394-1403. | 0.7 | 8 |
| 15 | 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 |
| 16 | Specific Activation of the CD271 Intracellular Domain in Combination with Chemotherapy or Targeted Therapy Inhibits Melanoma Progression. <i>Cancer Research</i> , 2021, 81, 6044-6057. | 0.9 | 7 |
| 17 | Multiple Mechanisms Converging on Transcription Factor EB Activation by the Natural Phenol Pterostilbene. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-19. | 4.0 | 4 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | The stem-like STAT3-responsive cells of zebrafish intestine are WNT/ β -catenin dependent. <i>Development (Cambridge)</i> , 2020, 147, . | 2.5 | 21 |
| 20 | miR-7 Controls the Dopaminergic/Oligodendroglial Fate through Wnt/ β -catenin Signaling Regulation. <i>Cells</i> , 2020, 9, 711. | 4.1 | 18 |
| 21 | BEL β -Trefol Reduces the Migration Ability of RUNX2 Expressing Melanoma Cells in Xenotransplanted Zebrafish. <i>Molecules</i> , 2020, 25, 1270. | 3.8 | 11 |
| 22 | Developmental and Tumor Angiogenesis Requires the Mitochondria-Shaping Protein Opa1. <i>Cell Metabolism</i> , 2020, 31, 987-1003.e8. | 16.2 | 101 |
| 23 | Direct activation of zebrafish neurons by ultrasonic stimulation revealed by whole CNS calcium imaging. <i>Journal of Neural Engineering</i> , 2020, 17, 056033. | 3.5 | 2 |
| 24 | Two-photon high-speed light-sheet volumetric imaging of brain activity during sleep in zebrafish larvae. , 2020, , . | | 4 |
| 25 | 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 |
| 26 | Glucocorticoid receptor activities in the zebrafish model: a review. <i>Journal of Endocrinology</i> , 2020, 247, R63-R82. | 2.6 | 15 |
| 27 | Two-photon light-sheet microscopy for high-speed whole-brain functional imaging of zebrafish neuronal physiology and pathology. , 2020, , . | | 4 |
| 28 | 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 |
| 29 | 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 |
| 30 | Flexible Multi-Beam Light-Sheet Fluorescence Microscope for Live Imaging Without Striping Artifacts. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 7. | 1.7 | 25 |
| 31 | Runx2 stimulates neoangiogenesis through the Runt domain in melanoma. <i>Scientific Reports</i> , 2019, 9, 8052. | 3.3 | 19 |
| 32 | Advantages and Challenges of Cardiovascular and Lymphatic Studies in Zebrafish Research. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 89. | 3.7 | 5 |
| 33 | Mutation in the mouse histone gene <i>Hist2h3c1</i> leads to degeneration of the lens vesicle and severe microphthalmia. <i>Experimental Eye Research</i> , 2019, 188, 107632. | 2.6 | 4 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Dual-beam confocal light-sheet microscopy via flexible acousto-optic deflector. <i>Journal of Biomedical Optics</i> , 2019, 24, 1. | 2.6 | 22 |
| 38 | 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 |
| 39 | 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 |
| 40 | New Insights into the Runt Domain of RUNX2 in Melanoma Cell Proliferation and Migration. <i>Cells</i> , 2018, 7, 220. | 4.1 | 21 |
| 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 | Optical mapping of neuronal activity during seizures in zebrafish. <i>Scientific Reports</i> , 2017, 7, 3025. | 3.3 | 95 |
| 43 | 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 |
| 44 | 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 |
| 45 | A novel non-rigid registration algorithm for zebrafish larval images. , 2017, 2017, 321-324. | | 0 |
| 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 | Monitoring Wnt Signaling in Zebrafish Using Fluorescent Biosensors. <i>Methods in Molecular Biology</i> , 2016, 1481, 81-94. | 0.9 | 19 |
| 48 | 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 |
| 49 | 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 |
| 50 | 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 |
| 51 | The mitochondrial shaping protein Optic Atrophy 1 (OPA1) controls angiogenesis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, e110. | 1.0 | 0 |
| 52 | 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 |
| 53 | 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 |
| 54 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Venous-derived angioblasts generate organ-specific vessels during embryonic development. <i>Development (Cambridge)</i> , 2015, 142, 4266-78. | 2.5 | 72 |
| 56 | A GFP-Tagged Gross Deletion on Chromosome 1 Causes Malignant Peripheral Nerve Sheath Tumors and Carcinomas in Zebrafish. <i>PLoS ONE</i> , 2015, 10, e0145178. | 2.5 | 7 |
| 57 | Polarization Sensitive Optical Coherence Tomography for Zebrafish Imaging. , 2015, , . | | 0 |
| 58 | 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 |
| 59 | A Smad3 transgenic reporter reveals TGF-beta control of zebrafish spinal cord development. <i>Developmental Biology</i> , 2014, 396, 81-93. | 2.0 | 52 |
| 60 | Wnt activation promotes neuronal differentiation of Glioblastoma. <i>Cell Death and Disease</i> , 2013, 4, e500-e500. | 6.3 | 89 |
| 61 | Generation and application of signaling pathway reporter lines in zebrafish. <i>Molecular Genetics and Genomics</i> , 2013, 288, 231-242. | 2.1 | 66 |
| 62 | Disruptions of Global and Jagged1-Mediated Notch Signaling Affect Thyroid Morphogenesis in the Zebrafish. <i>Endocrinology</i> , 2012, 153, 5645-5658. | 2.8 | 50 |
| 63 | 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 |
| 64 | 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 |
| 65 | <i>mll</i> ortholog containing functional domains of human <i>MLL</i> is expressed throughout the zebrafish lifespan and in haematopoietic tissues. <i>British Journal of Haematology</i> , 2011, 152, 307-321. | 2.5 | 5 |
| 66 | A novel functional role of iduronate-2-sulfatase in zebrafish early development. <i>Matrix Biology</i> , 2010, 29, 43-50. | 3.6 | 37 |
| 67 | <i>prep1.2</i> and <i>aldh1a2</i> participate to a positive loop required for branchial arches development in zebrafish. <i>Developmental Biology</i> , 2010, 343, 94-103. | 2.0 | 12 |
| 68 | <i>af9</i> Regulates <i>gata2</i> Expression During Early Hemangioblast Specification and Vascular Pattern Formation In Zebrafish.. <i>Blood</i> , 2010, 116, 2600-2600. | 1.4 | 1 |
| 69 | Differential expression and regulation of <i>olig</i> genes in zebrafish. <i>Journal of Comparative Neurology</i> , 2009, 515, 378-396. | 1.6 | 13 |
| 70 | Zebrafish pancreas development. <i>Molecular and Cellular Endocrinology</i> , 2009, 312, 24-30. | 3.2 | 79 |
| 71 | Thyroid gland development and function in the zebrafish model. <i>Molecular and Cellular Endocrinology</i> , 2009, 312, 14-23. | 3.2 | 177 |
| 72 | The Human AF9 Homologue in Zebrafish Is Involved in Primitive Hematopoietic Development.. <i>Blood</i> , 2009, 114, 3653-3653. | 1.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Emilin genes are duplicated and dynamically expressed during zebrafish embryonic development. <i>Developmental Dynamics</i> , 2008, 237, 222-232. | 1.8 | 15 |
| 74 | 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 |
| 75 | Function and regulation of zebrafish <i>nkx2.2a</i> during development of pancreatic islet and ducts. <i>Developmental Biology</i> , 2007, 304, 875-890. | 2.0 | 81 |
| 76 | Molecular cloning and biochemical characterization of sialidases from zebrafish (<i>Danio rerio</i>). <i>Journal of Molecular Evolution</i> , 2007, 65, 222-232. | 3.7 | 28 |
| 77 | 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 |
| 78 | Expression analysis of jagged genes in zebrafish embryos. <i>Developmental Dynamics</i> , 2005, 233, 638-645. | 1.8 | 39 |
| 79 | The basic helix-loop-helix <i>olig3</i> 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 |
| 80 | 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 |
| 81 | Evolutionary conserved role of <i>ptf1a</i> in the specification of exocrine pancreatic fates. <i>Developmental Biology</i> , 2004, 268, 174-184. | 2.0 | 101 |
| 82 | Gene symbol: RYR2. Disease: Arrhythmogenic right ventricular cardiomyopathy type 2. <i>Human Genetics</i> , 2004, 114, 405. | 3.8 | 1 |
| 83 | 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 |
| 84 | 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 |
| 85 | 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 |
| 86 | BMP signalling regulates anteroposterior endoderm patterning in zebrafish. <i>Mechanisms of Development</i> , 2002, 118, 29-37. | 1.7 | 146 |
| 87 | Mutations in the Cardiac Ryanodine Receptor Gene (<i>RyR2</i>) Underlie Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Circulation</i> , 2001, 103, 196-200. | 1.6 | 1,291 |
| 88 | 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 |
| 89 | Mutations of the Cardiac Ryanodine Receptor (<i>RyR2</i>) Gene in Familial Polymorphic Ventricular Tachycardia. <i>Circulation</i> , 2001, 103, 485-490. | 1.6 | 692 |
| 90 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | 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 |
| 92 | TUBA8: A New Tissue-Specific Isoform of β -Tubulin That Is Highly Conserved in Human and Mouse. <i>Biochemical and Biophysical Research Communications</i> , 2000, 270, 1111-1118. | 2.1 | 55 |
| 93 | 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 |
| 94 | Molecular genetics of arrhythmogenic right ventricular cardiomyopathy. , 2000, , 77-80. | | 0 |
| 95 | 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 |
| 96 | A Comprehensive, High-Resolution Genomic Transcript Map of Human Skeletal Muscle. <i>Genome Research</i> , 1998, 8, 817-825. | 5.5 | 69 |
| 97 | Chromosomal localization of four MAPK signaling cascade genes: MEK1, MEK3, MEK4 and MEK5. <i>Cytogenetic and Genome Research</i> , 1997, 78, 301-303. | 1.1 | 5 |
| 98 | The preliminary transcript map of a human skeletal muscle. <i>Human Molecular Genetics</i> , 1997, 6, 1445-1450. | 2.9 | 14 |
| 99 | 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 |
| 100 | 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 |
| 101 | Telethonin, a novel sarcomeric protein of heart and skeletal muscle. <i>FEBS Letters</i> , 1997, 415, 163-168. | 2.8 | 171 |
| 102 | Chromosome assignment of 115 expressed sequence tags (ESTs) from human skeletal muscle. <i>Cytogenetic and Genome Research</i> , 1997, 76, 144-152. | 1.1 | 6 |
| 103 | Fine Mapping of the Human Endothelin-Converting Enzyme Gene by Fluorescentin Situ Hybridization and Radiation Hybrids. <i>Biochemical and Biophysical Research Communications</i> , 1996, 221, 682-687. | 2.1 | 8 |
| 104 | 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 |
| 105 | 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 |
| 106 | The zebrafish, a teleost model recapitulating the mammalian molecular events during endocrine development and function. <i>Endocrine Abstracts</i> , 0, , . | 0.0 | 0 |