Franco Cotelli

List of Publications by Year
in descending order

58	2,078	218677	243625
papers	citations	26 h-index	44 g-index

58	58	58	3329
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mammalian Tumor Xenografts Induce Neovascularization in Zebrafish Embryos. Cancer Research, 2007, 67, 2927-2931.	0.9	245
2	Sox18 and Sox7 play redundant roles in vascular development. Blood, 2008, 111, 2657-2666.	1.4	179
3	Stable Vascular Connections and Remodeling Require Full Expression of VE-Cadherin in Zebrafish Embryos. PLoS ONE, 2009, 4, e5772.	2.5	107
4	Evidence for nuclear internalization of exogenous DNA into mammalian sperm cells. Molecular Reproduction and Development, 1993, 34, 133-139.	2.0	100
5	An evolutionary recent neuroepithelial cell adhesion function of huntingtin implicates ADAM10-Ncadherin. Nature Neuroscience, 2012, 15, 713-721.	14.8	99
6	Structure and macromolecular composition of the zebrafish egg chorion. Zygote, 1996, 4, 101-108.	1.1	87
7	Patient-derived xenograft in zebrafish embryos: a new platform for translational research in neuroendocrine tumors. Endocrine, 2017, 57, 214-219.	2.3	81
8	Identification and characterization of the major components of theOncorhynchus mykiss Egg Chorion. Molecular Reproduction and Development, 1991, 28, 85-93.	2.0	67
9	SMYD3 promotes the epithelialâ€“mesenchymal transition in breast cancer. Nucleic Acids Research, 2019, 47, 1278-1293.	14.5	63
10	Structure and composition of the fish egg chorion (Carassius auratus). Journal of Structural Biology, 1988, 99, 70-78.	0.8	54
11	Patterns of thyroid hormone receptor expression in zebrafish and generation of a novel model of resistance to thyroid hormone action. Molecular and Cellular Endocrinology, 2016, 424, 102-117.	3.2	54
12	Expression patterns of zebrafish sox11A, sox11B and sox21. Mechanisms of Development, 1999, 89, 167-171.	1.7	52
13	The Paraspermatic Cell (Atypical Spermatozoon) of Prosobranchia: A Comparative Ultrastructural Study. Acta Zoologica, 1980, 61, 191-201.	0.8	47
14	Binding of the repressor complex RESTâ€‹scp›mSIN‹/scp›3b by small molecules restores neuronal gene transcription in Huntington's disease models. Journal of Neurochemistry, 2013, 127, 22-35.	3.9	44
15	Functional and hierarchical interactions among zebrafishvox/venthomeobox genes. Developmental Dynamics, 2004, 230, 494-508.	1.8	40
16	Ectopic expression and knockdown of a zebrafish sox21 reveal its role as a transcriptional repressor in early development. Mechanisms of Development, 2004, 121, 131-142.	1.7	38
17	Comparative Genome Analysis of the Neurexin Gene Family in Danio rerio: Insights into Their Functions and Evolution. Molecular Biology and Evolution, 2007, 24, 236-252.	8.9	38
18	Sox18 Genetically Interacts With VegfC to Regulate Lymphangiogenesis in Zebrafish. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 1238-1247.	2.4	38

#	Article	IF	Citations
19	Zebrafish as an innovative model for neuroendocrine tumors. Endocrine-Related Cancer, 2014, 21, R67-R83.	3.1	38
20	The spermatozoon of peracarida. I. The spermatozoon of terrestrial isopods. Journal of Ultrastructure Research, 1976, 55, 378-390.	1.1	34
21	Induced early expression ofmrf4but notmyogrescues myogenesis in themyod/myf5double-morphant zebrafish embryo. Journal of Cell Science, 2009, 122, 481-488.	2.0	34
22	In vivoFunctional Consequences of HumanTHRAVariants Expressed in the Zebrafish. Thyroid, 2017, 27, 279-291.	4.5	34
23	Crucial role of zebrafish prox1in hypothalamic catecholaminergic neurons development. BMC Developmental Biology, 2008, 8, 27.	2.1	33
24	Differentiation of the vitelline coat in the ascidianCiona intestinalis: an ultrastructural study. Wilhelm Roux's Archives of Developmental Biology, 1981, 190, 252-258.	1.4	32
25	Time-Gated Optical Projection Tomography Allows Visualization of Adult Zebrafish Internal Structures. PLoS ONE, 2012, 7, e50744.	2.5	32
26	Endothelial Fate and Angiogenic Properties of Human CD34+Progenitor Cells in Zebrafish. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1589-1597.	2.4	30
27	The Synaptic Proteins Î²-Neurexin and Neuroligin Synergize With Extracellular Matrix-Binding Vascular Endothelial Growth Factor A During Zebrafish Vascular Development. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1563-1572.	2.4	24
28	Conserved and divergent functions of Nfix in skeletal muscle development during vertebrate evolution. Development (Cambridge), 2013, 140, 1528-1536.	2.5	22
29	NIPBL: a new player in myeloid cell differentiation. Haematologica, 2019, 104, 1332-1341.	3.5	22
30	In Vivo Flow Mapping in Complex Vessel Networks by Single Image Correlation. Scientific Reports, 2014, 4, 7341.	3.3	21
31	Zebrafish as a Model to Investigate Dynamin 2-Related Diseases. Scientific Reports, 2016, 6, 20466.	3.3	20
32	Modeling Cornelia de Lange syndrome in vitro and in vivo reveals a role for cohesin complex in neuronal survival and differentiation. Human Molecular Genetics, 2019, 28, 64-73.	2.9	20
33	Characterization of the neuroligin gene family expression and evolution in zebrafish. Developmental Dynamics, 2010, 239, 688-702.	1.8	19
34	Characterization of the APâ€1 Î¼1A and Î¼1B adaptins in zebrafish (Danio rerio). Developmental Dynamics, 2010, 239, 2404-2412.	1.8	18
35	Quantitative measurement of blood velocity in zebrafish with optical vector field tomography. Journal of Biophotonics, 2015, 8, 52-59.	2.3	18
36	Ve-ptp Modulates Vascular Integrity by Promoting Adherens Junction Maturation. PLoS ONE, 2012, 7, e51245.	2.5	17

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37	Aspetti ultrastrutturali degli spermatozoi atipici in Scalidae (Gastropoda, Prosobranchia). Bollettino Di Zoologia, 1978, 45, 261-268.	0.3	16
38	CyclinD1 Downâ€Regulation and Increased Apoptosis Are Common Features of Cohesinopathies. Journal of Cellular Physiology, 2016, 231, 613-622.	4.1	16
39	Zebrafish Numb and Numblike Are Involved in Primitive Erythrocyte Differentiation. PLoS ONE, 2010, 5, e14296.	2.5	16
40	A zebrafish model of Poikiloderma with Neutropenia recapitulates the human syndrome hallmarks and traces back neutropenia to the myeloid progenitor. Scientific Reports, 2015, 5, 15814.	3.3	13
41	Regulated expression pattern of gremlin during zebrafish development. Gene Expression Patterns, 2005, 5, 539-544.	0.8	12
42	FAS/FASL are dysregulated in chordoma and their loss-of-function impairs zebrafish notochord formation. Oncotarget, 2014, 5, 5712-5724.	1.8	12
43	Identification and expression pattern of mago nashi during zebrafish development. Gene Expression Patterns, 2004, 5, 265-272.	0.8	11
44	ccdc80-l1 Is Involved in Axon Pathfinding of Zebrafish Motoneurons. PLoS ONE, 2012, 7, e31851.	2.5	11
45	Electron multiplying charge-coupled device-based fluorescence cross-correlation spectroscopy for blood velocimetry on zebrafish embryos. Journal of Biomedical Optics, 2014, 19, 067007.	2.6	10
46	Zebrafish Tmem230a cooperates with the Delta/Notch signaling pathway to modulate endothelial cell number in angiogenic vessels. Journal of Cellular Physiology, 2018, 233, 1455-1467.	4.1	10
47	Image Cross-Correlation Analysis of Time Varying Flows. Analytical Chemistry, 2016, 88, 7115-7122.	6.5	9
48	The spermatozoon of peracarida. Journal of Ultrastructure Research, 1980, 73, 263-268.	1.1	7
49	The Increase in Maternal Expression of axin1 and axin2 Contribute to the Zebrafish Mutant Ichabod Ventralized Phenotype. Journal of Cellular Biochemistry, 2015, 116, 418-430.	2.6	7
50	Ultrastructure of the Spermatozoon of Squilla mantis. Acta Zoologica, 1983, 64, 131-137.	0.8	6
51	The Coiledâ€Coil Domain Containing 80 (ccdc80) Gene Regulates gadd45Î²2 Expression in the Developing Somites of Zebrafish as a New Player of the Hedgehog Pathway. Journal of Cellular Physiology, 2015, 230, 821-830.	4.1	6
52	Functional analysis of the cfdp1 gene in zebrafish provides evidence for its crucial role in craniofacial development and osteogenesis. Experimental Cell Research, 2017, 361, 236-245.	2.6	6
53	The Lysine Methylase SMYD3 Modulates Mesendodermal Commitment during Development. Cells, 2021, 10, 1233.	4.1	3
54	Sel1l knockdown negatively influences zebrafish embryos endothelium. Journal of Cellular Physiology, 2018, 233, 5396-5404.	4.1	2

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55	Spatiotemporal image correlation analysis of blood flow in branched vessel networks of zebrafish embryos. Journal of Biomedical Optics, 2017, 22, 1.	2.6	2
56	Ductuli Efferentes in Two Cases of Testicular Agenesis. Journal of Developmental and Physical Disabilities, 1978, 1, 15-21.	3.6	1
57	Intermediate filament proteins immunologically related to cytokeratins in the oocyte of the fish Cyprinus carpio. Zygote, 1997, 5, 207-212.	1.1	1
58	Non Invasive Mapping of the Blood Velocity Field in Zebrafish with Optical Tomography. , 2014, , .		0