

Massimo Mattia Santoro

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9386281/publications.pdf>

Version: 2024-02-01

57
papers

4,571
citations

186265
28
h-index

155660
55
g-index

57
all docs

57
docs citations

57
times ranked

8134
citing authors

#	ARTICLE	IF	CITATIONS
1	miR-126 Regulates Angiogenic Signaling and Vascular Integrity. Developmental Cell, 2008, 15, 272-284.	7.0	1,489
2	Cellular and molecular facets of keratinocyte reepithelization during wound healing. Experimental Cell Research, 2005, 304, 274-286.	2.6	329
3	Blood flow controls bone vascular function and osteogenesis. Nature Communications, 2016, 7, 13601.	12.8	261
4	IAPs contain an evolutionarily conserved ubiquitin-binding domain that regulates NF- κ B as well as cell survival and oncogenesis. Nature Cell Biology, 2008, 10, 1309-1317.	10.3	228
5	The MSP Receptor Regulates α 6 β 4 and α 3 β 1 Integrins via 14-3-3 Proteins in Keratinocyte Migration. Developmental Cell, 2003, 5, 257-271.	7.0	193
6	Ubiad1 Is an Antioxidant Enzyme that Regulates eNOS Activity by CoQ10 Synthesis. Cell, 2013, 152, 504-518.	28.9	176
7	Birc2 (clap1) regulates endothelial cell integrity and blood vessel homeostasis. Nature Genetics, 2007, 39, 1397-1402.	21.4	131
8	A transgene-assisted genetic screen identifies essential regulators of vascular development in vertebrate embryos. Developmental Biology, 2007, 307, 29-42.	2.0	123
9	ZebraBeat: a flexible platform for the analysis of the cardiac rate in zebrafish embryos. Scientific Reports, 2014, 4, .	3.3	112
10	ROS signaling and redox biology in endothelial cells. Cellular and Molecular Life Sciences, 2015, 72, 3281-3303.	5.4	112
11	Characterization of vascular mural cells during zebrafish development. Mechanisms of Development, 2009, 126, 638-649.	1.7	111
12	CARD-Mediated Autoinhibition of clAP1's E3 Ligase Activity Suppresses Cell Proliferation and Migration. Molecular Cell, 2011, 42, 569-583.	9.7	89
13	Point mutations in the tyrosine kinase domain release the oncogenic and metastatic potential of the ron receptor. Oncogene, 1998, 17, 741-749.	5.9	88
14	An α -Smooth Muscle Actin (α 2/ α sma) Zebrafish Transgenic Line Marking Vascular Mural Cells and Visceral Smooth Muscle Cells. PLoS ONE, 2014, 9, e90590.	2.5	79
15	PPFIA1 drives active α 5 β 1 integrin recycling and controls fibronectin fibrillogenesis and vascular morphogenesis. Nature Communications, 2016, 7, 13546.	12.8	72
16	The Antioxidant Role of Non-mitochondrial CoQ10: Mystery Solved!. Cell Metabolism, 2020, 31, 13-15.	16.2	64
17	Cilia Control Vascular Mural Cell Recruitment in Vertebrates. Cell Reports, 2017, 18, 1033-1047.	6.4	60
18	Analysis of Oxidative Stress in Zebrafish Embryos. Journal of Visualized Experiments, 2014, , .	0.3	57

#	ARTICLE	IF	CITATIONS
19	Loss of pyruvate kinase M2 limits growth and triggers innate immune signaling in endothelial cells. <i>Nature Communications</i> , 2018, 9, 4077.	12.8	55
20	The heme exporter Flvcr1 regulates expansion and differentiation of committed erythroid progenitors by controlling intracellular heme accumulation. <i>Haematologica</i> , 2015, 100, 720-729.	3.5	54
21	The Dlx5 and Foxg1 transcription factors, linked via miRNA-9 and -200, are required for the development of the olfactory and GnRH system. <i>Molecular and Cellular Neurosciences</i> , 2015, 68, 103-119.	2.2	51
22	Zebrafish as a model to explore cell metabolism. <i>Trends in Endocrinology and Metabolism</i> , 2014, 25, 546-554.	7.1	40
23	Adaptive redox homeostasis in cutaneous melanoma. <i>Redox Biology</i> , 2020, 37, 101753.	9.0	37
24	Diacylglycerol Kinase- β Mediates Hepatocyte Growth Factor-induced Epithelial Cell Scatter by Regulating Rac Activation and Membrane Ruffling. <i>Molecular Biology of the Cell</i> , 2007, 18, 4859-4871.	2.1	33
25	Phylogeny informs ontogeny: a proposed common theme in the arterial pole of the vertebrate heart. <i>Evolution & Development</i> , 2010, 12, 552-567.	2.0	33
26	“Decoding” Angiogenesis: New Facets Controlling Endothelial Cell Behavior. <i>Frontiers in Physiology</i> , 2016, 7, 306.	2.8	33
27	Real-time quantification of subcellular H ₂ O ₂ and glutathione redox potential in living cardiovascular tissues. <i>Free Radical Biology and Medicine</i> , 2017, 109, 189-200.	2.9	32
28	miRNAs in endothelial cell signaling: The endomiRNAs. <i>Experimental Cell Research</i> , 2013, 319, 1324-1330.	2.6	31
29	An exclusive cellular and molecular network governs intestinal smooth muscle cell differentiation in vertebrates. <i>Development (Cambridge)</i> , 2017, 144, 464-478.	2.5	31
30	Antiangiogenic Cancer Drug Using the Zebrafish Model. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1846-1853.	2.4	28
31	New models to study vascular mural cell embryonic origin: implications in vascular diseases. <i>Cardiovascular Research</i> , 2018, 114, 481-491.	3.8	27
32	Geldanamycins Trigger a Novel Ron Degradative Pathway, Hampering Oncogenic Signaling*. <i>Journal of Biological Chemistry</i> , 2006, 281, 21710-21719.	3.4	25
33	Knockdown of cathepsin D in zebrafish fertilized eggs determines congenital myopathy. <i>Bioscience Reports</i> , 2013, 33, e00034.	2.4	23
34	The origin and mechanisms of smooth muscle cell development in vertebrates. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	23
35	Fashioning blood vessels by ROS signalling and metabolism. <i>Seminars in Cell and Developmental Biology</i> , 2018, 80, 35-42.	5.0	21
36	Role of amino acid metabolism in angiogenesis. <i>Vascular Pharmacology</i> , 2019, 112, 17-23.	2.1	19

#	ARTICLE	IF	CITATIONS
37	Compound heterozygous loss-of-function mutations in KIF20A are associated with a novel lethal congenital cardiomyopathy in two siblings. <i>PLoS Genetics</i> , 2018, 14, e1007138.	3.5	18
38	The Ron oncogenic activity induced by the MEN2B-like substitution overcomes the requirement for the multifunctional docking site. <i>Oncogene</i> , 2000, 19, 5208-5211.	5.9	17
39	Vascular Mural Cells Promote Noradrenergic Differentiation of Embryonic Sympathetic Neurons. <i>Cell Reports</i> , 2015, 11, 1786-1796.	6.4	15
40	Rapid high performance liquid chromatography–high resolution mass spectrometry methodology for multiple prenol lipids analysis in zebrafish embryos. <i>Journal of Chromatography A</i> , 2015, 1412, 59-66.	3.7	15
41	LPHN2 inhibits vascular permeability by differential control of endothelial cell adhesion. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	15
42	¹³ C-isotope-based protocol for prenol lipid metabolic analysis in zebrafish embryos. <i>Nature Protocols</i> , 2013, 8, 2337-2347.	12.0	14
43	Efficient clofilium tosylate-mediated rescue of POLG-related disease phenotypes in zebrafish. <i>Cell Death and Disease</i> , 2021, 12, 100.	6.3	13
44	UBIAD1 and CoQ10 protect melanoma cells from lipid peroxidation-mediated cell death. <i>Redox Biology</i> , 2022, 51, 102272.	9.0	12
45	Transgenic Zebrafish. <i>Methods in Molecular Biology</i> , 2016, 1464, 107-114.	0.9	11
46	Aspartate metabolism in endothelial cells activates the mTORC1 pathway to initiate translation during angiogenesis. <i>Developmental Cell</i> , 2022, 57, 1241-1256.e8.	7.0	11
47	Protein phosphatase 1 binds to phospho-Ser-1394 of the macrophage-stimulating protein receptor. <i>Biochemical Journal</i> , 2003, 376, 587-594.	3.7	10
48	“Fishing” for endothelial microRNA functions and dysfunction. <i>Vascular Pharmacology</i> , 2011, 55, 60-68.	2.1	10
49	Oxidative pentose phosphate pathway controls vascular mural cell coverage by regulating extracellular matrix composition. <i>Nature Metabolism</i> , 2022, 4, 123-140.	11.9	10
50	Data on metabolic-dependent antioxidant response in the cardiovascular tissues of living zebrafish under stress conditions. <i>Data in Brief</i> , 2017, 12, 427-432.	1.0	7
51	Time to fight: targeting the circadian clock molecular machinery in cancer therapy. <i>Drug Discovery Today</i> , 2021, 26, 1164-1184.	6.4	7
52	The admirable advances in cardiovascular biology through the zebrafish model system. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2489-2503.	5.4	5
53	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
54	Cancer-Induced Metabolic Rewiring of Tumor Endothelial Cells. <i>Cancers</i> , 2022, 14, 2735.	3.7	3

#	ARTICLE	IF	CITATIONS
55	Before the Pump. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 2763-2764.	2.4	2
56	Tumor Angiogenesis: Fishing for Screening Models. , 2013, , 293-312.		1
57	YAP/TAZâ€“TEAD link angiogenesis to nutrients. Nature Metabolism, 0, , .	11.9	0