

Massimo Mattia Santoro

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

4,571
citations

212478

28
h-index

175968

55
g-index

57
all docs

57
docs citations

57
times ranked

8910
citing authors

#	ARTICLE	IF	CITATIONS
1	miR-126 Regulates Angiogenic Signaling and Vascular Integrity. <i>Developmental Cell</i> , 2008, 15, 272-284.	3.1	1,489
2	Cellular and molecular facets of keratinocyte reepithelization during wound healing. <i>Experimental Cell Research</i> , 2005, 304, 274-286.	1.2	329
3	Blood flow controls bone vascular function and osteogenesis. <i>Nature Communications</i> , 2016, 7, 13601.	5.8	261
4	IAPs contain an evolutionarily conserved ubiquitin-binding domain that regulates NF- κ B as well as cell survival and oncogenesis. <i>Nature Cell Biology</i> , 2008, 10, 1309-1317.	4.6	228
5	The MSP Receptor Regulates α 6 β 4 and α 3 β 1 Integrins via 14-3-3 Proteins in Keratinocyte Migration. <i>Developmental Cell</i> , 2003, 5, 257-271.	3.1	193
6	Ubiad1 Is an Antioxidant Enzyme that Regulates eNOS Activity by CoQ10 Synthesis. <i>Cell</i> , 2013, 152, 504-518.	13.5	176
7	Birc2 (clap1) regulates endothelial cell integrity and blood vessel homeostasis. <i>Nature Genetics</i> , 2007, 39, 1397-1402.	9.4	131
8	A transgene-assisted genetic screen identifies essential regulators of vascular development in vertebrate embryos. <i>Developmental Biology</i> , 2007, 307, 29-42.	0.9	123
9	ZebraBeat: a flexible platform for the analysis of the cardiac rate in zebrafish embryos. <i>Scientific Reports</i> , 2014, 4, .	1.6	112
10	ROS signaling and redox biology in endothelial cells. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 3281-3303.	2.4	112
11	Characterization of vascular mural cells during zebrafish development. <i>Mechanisms of Development</i> , 2009, 126, 638-649.	1.7	111
12	CARD-Mediated Autoinhibition of clAP1's E3 Ligase Activity Suppresses Cell Proliferation and Migration. <i>Molecular Cell</i> , 2011, 42, 569-583.	4.5	89
13	Point mutations in the tyrosine kinase domain release the oncogenic and metastatic potential of the ron receptor. <i>Oncogene</i> , 1998, 17, 741-749.	2.6	88
14	An α -Smooth Muscle Actin (acta2/ α sma) Zebrafish Transgenic Line Marking Vascular Mural Cells and Visceral Smooth Muscle Cells. <i>PLoS ONE</i> , 2014, 9, e90590.	1.1	79
15	PPFIA1 drives active α 5 β 1 integrin recycling and controls fibronectin fibrillogenesis and vascular morphogenesis. <i>Nature Communications</i> , 2016, 7, 13546.	5.8	72
16	The Antioxidant Role of Non-mitochondrial CoQ10: Mystery Solved!. <i>Cell Metabolism</i> , 2020, 31, 13-15.	7.2	64
17	Cilia Control Vascular Mural Cell Recruitment in Vertebrates. <i>Cell Reports</i> , 2017, 18, 1033-1047.	2.9	60
18	Analysis of Oxidative Stress in Zebrafish Embryos. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	57

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19	Loss of pyruvate kinase M2 limits growth and triggers innate immune signaling in endothelial cells. <i>Nature Communications</i> , 2018, 9, 4077.	5.8	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.	1.7	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.	1.0	51
22	Zebrafish as a model to explore cell metabolism. <i>Trends in Endocrinology and Metabolism</i> , 2014, 25, 546-554.	3.1	40
23	Adaptive redox homeostasis in cutaneous melanoma. <i>Redox Biology</i> , 2020, 37, 101753.	3.9	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.	0.9	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.	1.1	33
26	“Decoding” Angiogenesis: New Facets Controlling Endothelial Cell Behavior. <i>Frontiers in Physiology</i> , 2016, 7, 306.	1.3	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.	1.3	32
28	miRNAs in endothelial cell signaling: The endomiRNAs. <i>Experimental Cell Research</i> , 2013, 319, 1324-1330.	1.2	31
29	An exclusive cellular and molecular network governs intestinal smooth muscle cell differentiation in vertebrates. <i>Development (Cambridge)</i> , 2017, 144, 464-478.	1.2	31
30	Antiangiogenic Cancer Drug Using the Zebrafish Model. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1846-1853.	1.1	28
31	New models to study vascular mural cell embryonic origin: implications in vascular diseases. <i>Cardiovascular Research</i> , 2018, 114, 481-491.	1.8	27
32	Geldanamycins Trigger a Novel Ron Degradative Pathway, Hampering Oncogenic Signaling*. <i>Journal of Biological Chemistry</i> , 2006, 281, 21710-21719.	1.6	25
33	Knockdown of cathepsin D in zebrafish fertilized eggs determines congenital myopathy. <i>Bioscience Reports</i> , 2013, 33, e00034.	1.1	23
34	The origin and mechanisms of smooth muscle cell development in vertebrates. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	23
35	Fashioning blood vessels by ROS signalling and metabolism. <i>Seminars in Cell and Developmental Biology</i> , 2018, 80, 35-42.	2.3	21
36	Role of amino acid metabolism in angiogenesis. <i>Vascular Pharmacology</i> , 2019, 112, 17-23.	1.0	19

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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.	1.5	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.	2.6	17
39	Vascular Mural Cells Promote Noradrenergic Differentiation of Embryonic Sympathetic Neurons. <i>Cell Reports</i> , 2015, 11, 1786-1796.	2.9	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.	1.8	15
41	LPHN2 inhibits vascular permeability by differential control of endothelial cell adhesion. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	15
42	¹³ C-isotope-based protocol for prenol lipid metabolic analysis in zebrafish embryos. <i>Nature Protocols</i> , 2013, 8, 2337-2347.	5.5	14
43	Efficient clofilium tosylate-mediated rescue of POLG-related disease phenotypes in zebrafish. <i>Cell Death and Disease</i> , 2021, 12, 100.	2.7	13
44	UBIAD1 and CoQ10 protect melanoma cells from lipid peroxidation-mediated cell death. <i>Redox Biology</i> , 2022, 51, 102272.	3.9	12
45	Transgenic Zebrafish. <i>Methods in Molecular Biology</i> , 2016, 1464, 107-114.	0.4	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.	3.1	11
47	Protein phosphatase 1 binds to phospho-Ser-1394 of the macrophage-stimulating protein receptor. <i>Biochemical Journal</i> , 2003, 376, 587-594.	1.7	10
48	“Fishing” for endothelial microRNA functions and dysfunction. <i>Vascular Pharmacology</i> , 2011, 55, 60-68.	1.0	10
49	Oxidative pentose phosphate pathway controls vascular mural cell coverage by regulating extracellular matrix composition. <i>Nature Metabolism</i> , 2022, 4, 123-140.	5.1	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.	0.5	7
51	Time to fight: targeting the circadian clock molecular machinery in cancer therapy. <i>Drug Discovery Today</i> , 2021, 26, 1164-1184.	3.2	7
52	The admirable advances in cardiovascular biology through the zebrafish model system. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2489-2503.	2.4	5
53	Advantages and Challenges of Cardiovascular and Lymphatic Studies in Zebrafish Research. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 89.	1.8	5
54	Cancer-Induced Metabolic Rewiring of Tumor Endothelial Cells. <i>Cancers</i> , 2022, 14, 2735.	1.7	3

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55	Before the Pump. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 2763-2764.	1.1	2
56	Tumor Angiogenesis: Fishing for Screening Models. , 2013, , 293-312.		1
57	YAP/TAZâ€™TEAD link angiogenesis to nutrients. <i>Nature Metabolism</i> , 0, , .	5.1	0