Nadia Mercader

List of Publications by Year
in descending order

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51 papers	3,255 citations	186265 28 h-index	197818 49 g-index
64 all docs	64 docs citations	64 times ranked	4662 citing authors

#	Article	IF	Citations
1	Extensive scar formation and regression during heart regeneration after cryoinjury in zebrafish. Development (Cambridge), 2011, 138, 1663-1674.	2.5	409
2	Epithelial-to-Mesenchymal and Endothelial-to-Mesenchymal Transition. Circulation, 2012, 125, 1795-1808.	1.6	348
3	Conserved regulation of proximodistal limb axis development by Meis1/Hth. Nature, 1999, 402, 425-429.	27.8	295
4	Mechanism of super-assembly of respiratory complexes III and IV. Nature, 2016, 539, 579-582.	27.8	157
5	Transient fibrosis resolves via fibroblast inactivation in the regenerating zebrafish heart. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4188-4193.	7.1	144
6	Model systems for regeneration: zebrafish. Development (Cambridge), 2019, 146, .	2.5	139
7	Proximodistal identity during vertebrate limb regeneration is regulated by Meis homeodomain proteins. Development (Cambridge), 2005, 132, 4131-4142.	2.5	131
8	Pan-epicardial lineage tracing reveals that epicardium derived cells give rise to myofibroblasts and perivascular cells during zebrafish heart regeneration. Developmental Biology, 2012, 370, 173-186.	2.0	125
9	Cryoinjury as a myocardial infarction model for the study of cardiac regeneration in the zebrafish. Nature Protocols, 2012, 7, 782-788.	12.0	107
10	Interplay between cardiac function and heart development. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1707-1716.	4.1	89
11	Binary recombinase systems for high-resolution conditional mutagenesis. Nucleic Acids Research, 2014, 42, 3894-3907.	14.5	84
12	Early steps of paired fin development in zebrafish compared with tetrapod limb development. Development Growth and Differentiation, 2007, 49, 421-437.	1.5	83
13	Retinal microglia signaling affects MÃ¼ller cell behavior in the zebrafish following laser injury induction. Glia, 2019, 67, 1150-1166.	4.9	73
14	Heartbeat-Driven Pericardiac Fluid Forces Contribute to Epicardium Morphogenesis. Current Biology, 2013, 23, 1726-1735.	3.9	68
15	Telomerase Is Essential for Zebrafish Heart Regeneration. Cell Reports, 2015, 12, 1691-1703.	6.4	67
16	Prdm1 acts downstream of a sequential RA, Wnt and Fgf signaling cascade during zebrafish forelimb induction. Development (Cambridge), 2006, 133, 2805-2815.	2.5	62
17	Tbx5a lineage tracing shows cardiomyocyte plasticity during zebrafish heart regeneration. Nature Communications, 2018, 9, 428.	12.8	62
18	The Ets Domain Transcription Factor Erm Distinguishes Rat Satellite Glia from Schwann Cells and Is Regulated in Satellite Cells by Neuregulin Signaling. Developmental Biology, 2000, 219, 44-58.	2.0	61

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19	Wilms Tumor 1b Expression Defines a Pro-regenerative Macrophage Subtype and Is Required for Organ Regeneration in the Zebrafish. Cell Reports, 2019, 28, 1296-1306.e6.	6.4	61
20	2C-Cas9: a versatile tool for clonal analysis of gene function. Genome Research, 2016, 26, 681-692.	5.5	57
21	Use of Echocardiography Reveals Reestablishment of Ventricular Pumping Efficiency and Partial Ventricular Wall Motion Recovery upon Ventricular Cryoinjury in the Zebrafish. PLoS ONE, 2014, 9, e115604.	2.5	52
22	Ectopic Meis1 expression in the mouse limb bud alters P-D patterning in a Pbx1-independent manner. International Journal of Developmental Biology, 2009, 53, 1483-1494.	0.6	49
23	The Epicardium in the Embryonic and Adult Zebrafish. Journal of Developmental Biology, 2014, 2, 101-116.	1.7	49
24	TNF receptors regulate vascular homeostasis in zebrafish through a caspase-8, caspase-2 and P53 apoptotic program that bypasses caspase-3. DMM Disease Models and Mechanisms, 2013, 6, 383-96.	2.4	45
25	Scaf1 promotes respiratory supercomplexes and metabolic efficiency in zebrafish. EMBO Reports, 2020, 21, e50287.	4.5	42
26	Fisetin protects against cardiac cell death through reduction of ROS production and caspases activity. Scientific Reports, 2020, 10, 2896.	3.3	37
27	High-throughput identification of small molecules that affect human embryonic vascular development. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3022-E3031.	7.1	35
28	Analysis of the dynamic co-expression network of heart regeneration in the zebrafish. Scientific Reports, 2016, 6, 26822.	3.3	32
29	The<i>osr1</i>and<i>osr2</i>genes act in the pronephric anlage downstream of retinoic acid signaling and upstream of<i>wnt2b</i>to maintain pectoral fin development. Development (Cambridge), 2012, 139, 301-311.	2.5	31
30	TGF-Î² Signaling Promotes Tissue Formation during Cardiac Valve Regeneration in Adult Zebrafish. Developmental Cell, 2020, 52, 9-20.e7.	7.0	31
31	Adult sox10+ Cardiomyocytes Contribute to Myocardial Regeneration in the Zebrafish. Cell Reports, 2019, 29, 1041-1054.e5.	6.4	29
32	Neuropilin 1 mediates epicardial activation and revascularization in the regenerating zebrafish heart. Development (Cambridge), 2019, 146, .	2.5	25
33	Diverse Signaling by TGFÎ² Isoforms in Response to Focal Injury is Associated with Either Retinal Regeneration or Reactive Gliosis. Cellular and Molecular Neurobiology, 2021, 41, 43-62.	3.3	20
34	The TGFÎ²/Notch axis facilitates MÃ¼ller cell-to-epithelial transition to ultimately form a chronic glial scar. Molecular Neurodegeneration, 2021, 16, 69.	10.8	18
35	Recent insights into zebrafish cardiac regeneration. Current Opinion in Genetics and Development, 2020, 64, 37-43.	3.3	17
36	Hand2 delineates mesothelium progenitors and is reactivated in mesothelioma. Nature Communications, 2022, 13, 1677.	12.8	17

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37	Actin dynamics and the Bmp pathway drive apical extrusion of proepicardial cells. Development (Cambridge), 2019, 146, .	2.5	16
38	Store-Operated Ca2+ Entry as a Prostate Cancer Biomarker â€" a Riddle with Perspectives. Current Molecular Biology Reports, 2017, 3, 208-217.	1.6	14
39	Intraflagellar Transport Complex B Proteins Regulate the Hippo Effector Yap1 during Cardiogenesis. Cell Reports, 2020, 32, 107932.	6.4	13
40	A structural variant in the 5â€™-flanking region of the TWIST2 gene affects melanocyte development in belted cattle. PLoS ONE, 2017, 12, e0180170.	2.5	12
41	Transcriptional response to cardiac injury in the zebrafish: systematic identification of genes with highly concordant activity across in vivo models. BMC Genomics, 2014, 15, 852.	2.8	10
42	Notch and Bmp signaling pathways act coordinately during the formation of the proepicardium. Developmental Dynamics, 2020, 249, 1455-1469.	1.8	8
43	Wt1 transcription factor impairs cardiomyocyte specification and drives a phenotypic switch from myocardium to epicardium. Development (Cambridge), 2022, 149, .	2.5	5
44	Virtual High-Framerate Microscopy Of The Beating Heart Via Sorting Of Still Images. , 2019, , .		3
45	Reconstruction of Image Sequences From Ungated and Scanning-Aberrated Laser Scanning Microscopy Images of the Beating Heart. IEEE Transactions on Computational Imaging, 2020, 6, 385-395.	4.4	2
46	A Systematic Analysis of Metal and Metalloid Concentrations in Eight Zebrafish Recirculating Water Systems. Zebrafish, 2021, 18, 252-264.	1.1	2
47	Ventricular Cryoinjury as a Model to Study Heart Regeneration in Zebrafish. Methods in Molecular Biology, 2021, 2158, 51-62.	0.9	2
48	Analysis of wt1a reporter line expression levels during proepicardium formation in the zebrafish. Histology and Histopathology, 2020, 35, 1035-1046.	0.7	2
49	Elly Tanakaâ€™s passion for exploring animal regeneration. International Journal of Developmental Biology, 2018, 62, 387-391.	0.6	0
50	Can broken hearts be mended? Ken Poss, a pioneer on heart regeneration research. International Journal of Developmental Biology, 2018, 62, 383-386.	0.6	0
51	Models to crack the code of organ regeneration. International Journal of Developmental Biology, 2018, 62, 347-350.	0.6	0