Pilar Ruiz-Lozano

List of Publications by Year
in descending order

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45	5,869	172207	233125
papers	citations	29 h-index	45 g-index

46	46	46	8500
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PPARÎ³ Is Required for Placental, Cardiac, and Adipose Tissue Development. Molecular Cell, 1999, 4, 585-595.	4.5	1,780
2	Identification of a Wnt/Dvl/Î²-Catenin â†' Pitx2 Pathway Mediating Cell-Type-Specific Proliferation during Development. Cell, 2002, 111, 673-685.	13.5	519
3	Cardiomyocyte Regeneration. Circulation, 2017, 136, 680-686.	1.6	417
4	Epicardial FSTL1 reconstitution regenerates the adult mammalian heart. Nature, 2015, 525, 479-485.	13.7	402
5	Epicardial retinoid X receptor Â is required for myocardial growth and coronary artery formation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18455-18460.	3.3	320
6	Cypher, a Striated Muscle-restricted PDZ and LIM Domain-containing Protein, Binds to Î±-Actinin-2 and Protein Kinase C. Journal of Biological Chemistry, 1999, 274, 19807-19813.	1.6	210
7	APJ acts as a dual receptor in cardiac hypertrophy. Nature, 2012, 488, 394-398.	13.7	204
8	The effect of bioengineered acellular collagen patch on cardiac remodeling and ventricular function post myocardial infarction. Biomaterials, 2013, 34, 9048-9055.	5.7	168
9	Cardiac muscle regeneration: lessons from development. Genes and Development, 2011, 25, 299-309.	2.7	156
10	Expression patterns of FHL/SLIM family members suggest important functional roles in skeletal muscle and cardiovascular system. Mechanisms of Development, 2000, 95, 259-265.	1.7	154
11	Epicardium-derived progenitor cells require Î²-catenin for coronary artery formation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18109-18114.	3.3	149
12	Signaling via the Tgf-Î² type I receptor Alk5 in heart development. Developmental Biology, 2008, 322, 208-218.	0.9	147
13	A Novel Genetic Pathway for Sudden Cardiac Death via Defects in the Transition between Ventricular and Conduction System Cell Lineages. Cell, 2000, 102, 671-682.	13.5	126
14	Coronary development is regulated by ATP-dependent SWI/SNF chromatin remodeling component BAF180. Developmental Biology, 2008, 319, 258-266.	0.9	89
15	Retinoic acid stimulates myocardial expansion by induction of hepatic erythropoietin which activates epicardialIgf2. Development (Cambridge), 2011, 138, 139-148.	1.2	87
16	Mouse Neuron navigator 1, a novel microtubule-associated protein involved in neuronal migration. Molecular and Cellular Neurosciences, 2005, 28, 599-612.	1.0	74
17	miRNAs that Induce Human Cardiomyocyte Proliferation Converge on the Hippo Pathway. Cell Reports, 2018, 23, 2168-2174.	2.9	73
18	Id genes are essential for early heart formation. Genes and Development, 2017, 31, 1325-1338.	2.7	64

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19	Coronary veins determine the pattern of sympathetic innervation in the developing heart. Development (Cambridge), 2013, 140, 1475-1485.	1.2	62
20	Deficient Signaling via Alk2 (Acvr1) Leads to Bicuspid Aortic Valve Development. PLoS ONE, 2012, 7, e35539.	1.1	59
21	Protein Corona Influences Cellâ€“Biomaterial Interactions in Nanostructured Tissue Engineering Scaffolds. Advanced Functional Materials, 2015, 25, 4379-4389.	7.8	57
22	Infection-resistant MRI-visible scaffolds for tissue engineering applications. BioImpacts, 2016, 6, 111-115.	0.7	55
23	[Pyr1]-Apelin-13 delivery via nano-liposomal encapsulation attenuates pressure overload-induced cardiac dysfunction. Biomaterials, 2015, 37, 289-298.	5.7	44
24	Notch-independent RBPJ controls angiogenesis in the adult heart. Nature Communications, 2016, 7, 12088.	5.8	43
25	Disruption of NOTCH signaling by a small molecule inhibitor of the transcription factor RBPJ. Scientific Reports, 2019, 9, 10811.	1.6	40
26	Nuclear Factor Î°B-inducing Kinase and IÎ°B Kinase-Î± Signal Skeletal Muscle Cell Differentiation. Journal of Biological Chemistry, 2001, 276, 20228-20233.	1.6	38
27	Embryoniceven skippedâ€“Dependent Muscle and Heart Cell Fates Are Required for Normal Adult Activity, Heart Function, and Lifespan. Circulation Research, 2005, 97, 1108-1114.	2.0	37
28	Myotonic Dystrophy Protein Kinase Phosphorylates Phospholamban and Regulates Calcium Uptake in Cardiomyocyte Sarcoplasmic Reticulum. Journal of Biological Chemistry, 2005, 280, 8016-8021.	1.6	36
29	Role of Myotonic Dystrophy Protein Kinase (DMPK) in Glucose Homeostasis and Muscle Insulin Action. PLoS ONE, 2007, 2, e1134.	1.1	36
30	Distinct roles of HF-1b/Sp4 in ventricular and neural crest cells lineages affect cardiac conduction system development. Developmental Biology, 2006, 291, 208-217.	0.9	28
31	Apelin and APJ orchestrate complex tissue-specific control of cardiomyocyte hypertrophy and contractility in the hypertrophy-heart failure transition. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H348-H356.	1.5	28
32	Developmental expression of the murine spliceosome-associated protein mSAP49. Developmental Dynamics, 1997, 208, 482-490.	0.8	21
33	Use of bio-mimetic three-dimensional technology in therapeutics for heart disease. Bioengineered, 2014, 5, 193-197.	1.4	20
34	Developmental origin of age-related coronary artery disease. Cardiovascular Research, 2015, 107, 287-294.	1.8	20
35	Predominant fusion of bone marrow-derived cardiomyocytes. Cardiovascular Research, 2005, 68, 387-393.	1.8	19
36	Cre-constructing the heart. Nature Genetics, 2003, 33, 8-9.	9.4	16

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37	The gene encoding rat phosphoglycerate mutase subunit M: cloning and promoter analysis in skeletal muscle cells. Gene, 1994, 147, 243-248.	1.0	15
38	Non-autonomous modulation of heart rhythm, contractility and morphology in adult fruit flies. Developmental Biology, 2009, 328, 483-492.	0.9	15
39	Characterization of a novel angiogenic model based on stable, fluorescently labelled endothelial cell lines amenable to scale-up for high content screening. Biology of the Cell, 2011, 103, 467-481.	0.7	15
40	Ultra-rapid Manufacturing of Engineered Epicardial Substitute to Regenerate Cardiac Tissue Following Acute Ischemic Injury. Methods in Molecular Biology, 2014, 1210, 239-248.	0.4	9
41	Stem Cells as In Vitro Models of Disease. Current Stem Cell Research and Therapy, 2007, 2, 280-292.	0.6	9
42	Altered Î²â€adrenergic response in mice lacking myotonic dystrophy protein kinase. Muscle and Nerve, 2012, 45, 128-130.	1.0	3
43	A rat homeobox gene, rNKx-2.5 , is a homologue of the tinman gene in Drosophila and is mainly expressed during heart development. Development Genes and Evolution, 1997, 207, 352-358.	0.4	2
44	Hunting down nucleic acid binding factors in the cardiovascular system. Cardiovascular Research, 1998, 38, 301-315.	1.8	1
45	Epicardium-derived extracellular vesicles: a promising avenue for cardiac regeneration. Cardiovascular Research, 2021, , .	1.8	0