JosÃ© Luis De La Pompa MÃ-nguez

List of Publications by Year
in descending order

100 papers	17,264 citations	34016 52 h-index	37111 96 g-index
111 all docs	111 docs citations	111 times ranked	20009 citing authors

#	Article	IF	Citations
1	Negative Regulation of PKB/Akt-Dependent Cell Survival by the Tumor Suppressor PTEN. Cell, 1998, 95, 29-39.	13.5	2,269
2	Differential Requirement for Caspase 9 in Apoptotic Pathways In Vivo. Cell, 1998, 94, 339-352.	13.5	1,224
3	A novel source of arterial valve cells linked to bicuspid aortic valve without raphe in mice. ELife, 2018, 7, .	2.8	979
4	FADD: Essential for Embryo Development and Signaling from Some, But Not All, Inducers of Apoptosis. Science, 1998, 279, 1954-1958.	6.0	852
5	Notch promotes epithelial-mesenchymal transition during cardiac development and oncogenic transformation. Genes and Development, 2004, 18, 99-115.	2.7	820
6	Early Lethality, Functional NF-Î°B Activation, and Increased Sensitivity to TNF-Induced Cell Death in TRAF2-Deficient Mice. Immunity, 1997, 7, 715-725.	6.6	778
7	High cancer susceptibility and embryonic lethality associated with mutation of the PTEN tumor suppressor gene in mice. Current Biology, 1998, 8, 1169-1178.	1.8	758
8	neurogenin1 Is Essential for the Determination of Neuronal Precursors for Proximal Cranial Sensory Ganglia. Neuron, 1998, 20, 469-482.	3.8	721
9	The Tumor Suppressor Gene Brca1 Is Required for Embryonic Cellular Proliferation in the Mouse. Cell, 1996, 85, 1009-1023.	13.5	647
10	Role of the NF-ATc transcription factor in morphogenesis of cardiac valves and septum. Nature, 1998, 392, 182-186.	13.7	599
11	Notch Signaling in Development and Cancer. Endocrine Reviews, 2007, 28, 339-363.	8.9	474
12	The tumor suppressor gene <i>Smad4/Dpc4</i> is required for gastrulation and later for anterior development of the mouseâ€‰embryo. Genes and Development, 1998, 12, 107-119.	2.7	448
13	Notch Signaling Is Essential for Ventricular Chamber Development. Developmental Cell, 2007, 12, 415-429.	3.1	422
14	Mutations in the NOTCH pathway regulator MIB1 cause left ventricular noncompaction cardiomyopathy. Nature Medicine, 2013, 19, 193-201.	15.2	296
15	Brca2 is required for embryonic cellular proliferation in the mouse.. Genes and Development, 1997, 11, 1242-1252.	2.7	255
16	RBPjÎº-dependent Notch function regulates Gata2 and is essential for the formation of intra-embryonic hematopoietic cells. Development (Cambridge), 2005, 132, 1117-1126.	1.2	241
17	Partial rescue of Brca15â€“6 early embryonic lethality by p53 or p21 null mutation. Nature Genetics, 1997, 16, 298-302.	9.4	237
18	Interaction between Notch signalling and Lunatic fringe during somite boundary formation in the mouse. Current Biology, 1999, 9, 470-480.	1.8	230

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19	Coordinating Tissue Interactions: Notch Signaling in Cardiac Development and Disease. Developmental Cell, 2012, 22, 244-254.	3.1	229
20	Integration of a Notch-dependent mesenchymal gene program and Bmp2-driven cell invasiveness regulates murine cardiac valve formation. Journal of Clinical Investigation, 2010, 120, 3493-3507.	3.9	201
21	Localized and Transient Transcription of Hox Genes Suggests a Link between Patterning and the Segmentation Clock. Cell, 2001, 106, 207-217.	13.5	192
22	Notch and Hippo Converge on Cdx2 to Specify the Trophectoderm Lineage in the Mouse Blastocyst. Developmental Cell, 2014, 30, 410-422.	3.1	189
23	Endocardial Notch Signaling in Cardiac Development and Disease. Circulation Research, 2016, 118, e1-e18.	2.0	179
24	Notch and interacting signalling pathways in cardiac development, disease, and regeneration. Nature Reviews Cardiology, 2018, 15, 685-704.	6.1	173
25	Notch activity induces Nodal expression and mediates the establishment of left-right asymmetry in vertebrate embryos. Genes and Development, 2003, 17, 1213-1218.	2.7	171
26	Sequential Notch activation regulates ventricular chamber development. Nature Cell Biology, 2016, 18, 7-20.	4.6	156
27	Differential Notch Signaling in the Epicardium Is Required for Cardiac Inflow Development and Coronary Vessel Morphogenesis. Circulation Research, 2011, 108, 824-836.	2.0	149
28	CSLâ€"MAML-dependent Notch1 signaling controls T lineageâ€"specific IL-7RÎ± gene expression in early human thymopoiesis and leukemia. Journal of Experimental Medicine, 2009, 206, 779-791.	4.2	145
29	Control of cardiac jelly dynamics by NOTCH1 and NRG1 defines the building plan for trabeculation. Nature, 2018, 557, 439-445.	13.7	144
30	Congenital coronary artery anomalies: a bridge from embryology to anatomy and pathophysiologyâ€"a position statement of the development, anatomy, and pathology ESC Working Group. Cardiovascular Research, 2016, 109, 204-216.	1.8	143
31	p53 Accumulation, defective cell proliferation, and early embryonic lethality in mice lacking tsg101. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 1859-1864.	3.3	136
32	Monitoring Notch1 activity in development: Evidence for a feedback regulatory loop. Developmental Dynamics, 2007, 236, 2594-2614.	0.8	133
33	Signaling During Epicardium and Coronary Vessel Development. Circulation Research, 2011, 109, 1429-1442.	2.0	122
34	Marginal zone B cells control the response of follicular helper T cells to a high-cholesterol diet. Nature Medicine, 2017, 23, 601-610.	15.2	114
35	Notch activation stimulates migration of breast cancer cells and promotes tumor growth. Breast Cancer Research, 2013, 15, R54.	2.2	106
36	Notch Is a Critical Component of the Mouse Somitogenesis Oscillator and Is Essential for the Formation of the Somites. PLoS Genetics, 2009, 5, e1000662.	1.5	97

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37	Notch and Epithelial-Mesenchyme Transition in Development and Tumor Progression: Another Turn of the Screw. Cell Cycle, 2004, 3, 716-719.	1.3	91
38	Notch signalling restricts inflammation and <i>serpine1</i> in the dynamic endocardium of the regenerating zebrafish heart. Development (Cambridge), 2017, 144, 1425-1440.	1.2	91
39	NOTCH pathway inactivation promotes bladder cancer progression. Journal of Clinical Investigation, 2015, 125, 824-830.	3.9	86
40	Sequential Ligand-Dependent Notch Signaling Activation Regulates Valve Primordium Formation and Morphogenesis. Circulation Research, 2016, 118, 1480-1497.	2.0	85
41	Diet-Induced Aortic Valve Disease in Mice Haploinsufficient for the Notch Pathway Effector RBPJK/CSL. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1580-1588.	1.1	83
42	Notch regulates blastema proliferation and prevents differentiation during adult zebrafish fin regeneration. Development (Cambridge), 2013, 140, 1402-1411.	1.2	76
43	Notch Signaling in Cardiac Development and Disease. Current Topics in Developmental Biology, 2010, 92, 333-365.	1.0	74
44	Developmental studies of Brca1 and Brca2 knock-out mice. Journal of Mammary Gland Biology and Neoplasia, 1998, 3, 431-445.	1.0	73
45	The Chromatin Remodeling Complex Chd4/NuRD Controls Striated Muscle Identity and Metabolic Homeostasis. Cell Metabolism, 2016, 23, 881-892.	7.2	68
46	Notch signalling in ventricular chamber development and cardiomyopathy. FEBS Journal, 2016, 283, 4223-4237.	2.2	67
47	The non-canonical NOTCH ligand DLK1 exhibits a novel vascular role as a strong inhibitor of angiogenesis. Cardiovascular Research, 2012, 93, 232-241.	1.8	65
48	Notch signaling in cardiac valve development and disease. Birth Defects Research Part A: Clinical and Molecular Teratology, 2011, 91, 449-459.	1.6	63
49	How to Make a Heart Valve: From Embryonic Development to Bioengineering of Living Valve Substitutes. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a013912-a013912.	2.9	63
50	The chicken limb deformity gene encodes nuclear proteins expressed in specific cell types during morphogenesis.. Genes and Development, 1992, 6, 14-28.	2.7	61
51	Human pre-valvular endocardial cells derived from pluripotent stem cells recapitulate cardiac pathophysiological valvulogenesis. Nature Communications, 2019, 10, 1929.	5.8	60
52	Notch Signaling Requires GATA-2 to Inhibit Myelopoiesis from Embryonic Stem Cells and Primary Hemopoietic Progenitors. Journal of Immunology, 2006, 176, 5267-5275.	0.4	59
53	Mesenchymal Stem Cell Migration and Proliferation Are Mediated by Hypoxia-Inducible Factor-1Î± Upstream of Notch and SUMO Pathways. Stem Cells and Development, 2017, 26, 973-985.	1.1	59
54	Genetic analysis of muscle development in Drosophila melanogaster. Developmental Biology, 1989, 131, 439-454.	0.9	58

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55	Hand2 Is an Essential Regulator for Two Notch-Dependent Functions within the Embryonic Endocardium. Cell Reports, 2014, 9, 2071-2083.	2.9	57
56	Troponin I is encoded in the haplolethal region of the Shaker gene complex of Drosophila.. Genes and Development, 1991, 5, 132-140.	2.7	55
57	Genetic analysis of the Shaker gene complex of Drosophila melanogaster.. Genetics, 1990, 125, 383-398.	1.2	53
58	Morphogenesis of myocardial trabeculae in the mouse embryo. Journal of Anatomy, 2016, 229, 314-325.	0.9	50
59	Endothelial Jag1-RBPJ signalling promotes inflammatory leucocyte recruitment and atherosclerosis. Cardiovascular Research, 2016, 112, 568-580.	1.8	49
60	Notch and epithelial-mesenchyme transition in development and tumor progression: another turn of the screw. Cell Cycle, 2004, 3, 718-21.	1.3	48
61	Dynamic regulation of Notch1 activation and Notch ligand expression in human thymus development. Development (Cambridge), 2018, 145, .	1.2	46
62	Notch Signaling in Cardiac Development and Disease. Pediatric Cardiology, 2009, 30, 643-650.	0.6	44
63	The notch pathway positively regulates programmed cell death during erythroid differentiation. Leukemia, 2007, 21, 1496-1503.	3.3	41
64	Clinical Risk Prediction in Patients With Left Ventricular MyocardialÂNoncompaction. Journal of the American College of Cardiology, 2021, 78, 643-662.	1.2	40
65	Left Ventricular Noncompaction. Journal of the American College of Cardiology, 2014, 64, 1981-1983.	1.2	34
66	Association Between Left Ventricular Noncompaction and Vigorous Physical Activity. Journal of the American College of Cardiology, 2020, 76, 1723-1733.	1.2	34
67	Bmp2 and Notch cooperate to pattern the embryonic endocardium. Development (Cambridge), 2018, 145, .	1.2	30
68	Coronary arterial development is regulated by a Dll4-Jag1-EphrinB2 signaling cascade. ELife, 2019, 8, .	2.8	27
69	Deletion of Fstl1 (Follistatin-Like 1) From the Endocardial/Endothelial Lineage Causes Mitral Valve Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, e116-e130.	1.1	24
70	Myocardial Bmp2 gain causes ectopic EMT and promotes cardiomyocyte proliferation and immaturity. Cell Death and Disease, 2018, 9, 399.	2.7	24
71	Ablation of Dido3 compromises lineage commitment of stem cells in vitro and during early embryonic development. Cell Death and Differentiation, 2012, 19, 132-143.	5.0	23
72	Epithelialâ€toâ€mesenchymal transition in epicardium is independent of snail1. Genesis, 2013, 51, 32-40.	0.8	23

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73	Involvement of the interleukin 4 pathway in the generation of functional gamma delta T cells from human pro-T cells.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 7689-7693.	3.3	20
74	NOTCH Activation Promotes Valve Formation by Regulating the Endocardial Secretome. Molecular and Cellular Proteomics, 2019, 18, 1782-1795.	2.5	18
75	Fibrous Caps in Atherosclerosis Form by Notch-Dependent Mechanisms Common to Arterial Media Development. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, e427-e439.	1.1	18
76	Adhesion G proteinâ€“coupled receptor Gpr126/Adgrg6 is essential for placental development. Science Advances, 2021, 7, eabj5445.	4.7	17
77	Ectopic expression of genes during chicken limb pattern formation using replication defective retroviral vectors. Mechanisms of Development, 1993, 43, 187-198.	1.7	16
78	Limb deformity proteins during avian neurulation and sense organ development. Developmental Dynamics, 1995, 204, 156-167.	0.8	16
79	Actin dynamics and the Bmp pathway drive apical extrusion of proepicardial cells. Development (Cambridge), 2019, 146, .	1.2	16
80	Epithelial to mesenchymal transitionâ€"The roles of cell morphology, labile adhesion and junctional coupling. Computer Methods and Programs in Biomedicine, 2013, 111, 435-446.	2.6	15
81	Loss of Caveolin-1 and caveolae leads to increased cardiac cell stiffness and functional decline of the adult zebrafish heart. Scientific Reports, 2020, 10, 12816.	1.6	12
82	Myocardial Notch1-Rbpj deletion does not affect NOTCH signaling, heart development or function. PLoS ONE, 2018, 13, e0203100.	1.1	11
83	Identification of a peripheral blood gene signature predicting aortic valve calcification. Physiological Genomics, 2020, 52, 563-574.	1.0	11
84	Notch1 regulates progenitor cell proliferation and differentiation during mouse yolk sac hematopoiesis. Cell Death and Differentiation, 2014, 21, 1081-1094.	5.0	10
85	Genetic and functional genomics approaches targeting the Notch pathway in cardiac development and congenital heart disease. Briefings in Functional Genomics, 2014, 13, 15-27.	1.3	10
86	<i>Arid3b</i> is essential for second heart field cell deployment and heart patterning. Development (Cambridge), 2014, 141, 4168-4181.	1.2	10
87	<scp><i>M</i></scp><i>sx1^{cre}</i><scp><i>^{ERT}</i></scp><i>²</i> knockâ€in allele: A useful tool to target embryonic and adult cardiac valves. Genesis, 2015, 53, 337-345.	0.8	9
88	Notch and Bmp signaling pathways act coordinately during the formation of the proepicardium. Developmental Dynamics, 2020, 249, 1455-1469.	0.8	8
89	Heterotopic ossification in mice overexpressing Bmp2 in Tie2+ lineages. Cell Death and Disease, 2021, 12, 729.	2.7	8
90	Midkine-a Regulates the Formation of a Fibrotic Scar During Zebrafish Heart Regeneration. Frontiers in Cell and Developmental Biology, 2021, 9, 669439.	1.8	6

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91	Trabeculated Myocardium in Hypertrophic Cardiomyopathy: Clinical Consequences. Journal of Clinical Medicine, 2020, 9, 3171.	1.0	5
92	Intercellular Signaling in Cardiac Development and Disease: The NOTCH pathway. , 2016, , 103-114.		4
93	The original sin of T cells: Constitutive activation of the IL-2/IL-2R pathway early in intrathymic development. Research in Immunology, 1990, 141, 298-303.	0.9	2
94	DACH1-Driven Arterialization: Angiogenic Therapy for Ischemic Heart Disease?. Circulation Research, 2021, 129, 717-719.	2.0	2
95	The thousand and one ways of being a T cell. Thymus, 1990, 16, 173-85.	0.5	2
96	Functional relationships between genes of the Shaker gene complex of Drosophila. Molecular Genetics and Genomics, 1994, 244, 197-204.	2.4	1
97	Functional interactions between the gene tetanic and the Shaker gene complex of Drosophila. Molecular Genetics and Genomics, 1994, 244, 205-215.	2.4	1
98	Signaling Pathways in Valve Formation. , 2010, , 389-413.		1
99	Bâ€…Embryogenesis of Ventricular Myocardial Trabeculae â€" Novel Insights from Episcopic 3D Imaging and Fractal Analysis of Wild-type and Notch MIB1 Noncompaction Mouse Models. Heart, 2014, 100, A125-A128.	1.2	1
100	Bmp2 overexpression effects over appendicular skeleton development. Bone Reports, 2022, 16, 101350.	0.2	0