

Joaquin Maria Rodriguez Leon

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,766
citations

304368

22
h-index

344852

36
g-index

37
all docs

37
docs citations

37
times ranked

3490
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Structural basis of BMP signalling inhibition by the cystine knot protein Noggin. <i>Nature</i> , 2002, 420, 636-642. | 13.7 | 480 |
| 2 | Notch activity acts as a sensor for extracellular calcium during vertebrate left-right determination. <i>Nature</i> , 2004, 427, 121-128. | 13.7 | 255 |
| 3 | MKP3 mediates the cellular response to FGF8 signalling in the vertebrate limb. <i>Nature Cell Biology</i> , 2003, 5, 513-519. | 4.6 | 247 |
| 4 | Analysis of the molecular cascade responsible for mesodermal limb chondrogenesis: sox genes and BMP signaling. <i>Developmental Biology</i> , 2003, 257, 292-301. | 0.9 | 208 |
| 5 | Sp8 and Sp9, two closely related buttonhead-like transcription factors, regulate Fgf8 expression and limb outgrowth in vertebrate embryos. <i>Development (Cambridge)</i> , 2004, 131, 4763-4774. | 1.2 | 149 |
| 6 | The role of TGF β 2s and Sox9 during limb chondrogenesis. <i>Current Opinion in Cell Biology</i> , 2006, 18, 723-729. | 2.6 | 142 |
| 7 | Differentiated skeletal cells contribute to blastema formation during zebrafish fin regeneration. <i>Development (Cambridge)</i> , 2011, 138, 3897-3905. | 1.2 | 133 |
| 8 | Exclusion of a Proton ATPase from the Apical Membrane Is Associated with Cell Polarity and Tip Growth in <i>Nicotiana tabacum</i> Pollen Tubes. <i>Plant Cell</i> , 2008, 20, 614-634. | 3.1 | 121 |
| 9 | A new role for BMP5 during limb development acting through the synergic activation of Smad and MAPK pathways. <i>Developmental Biology</i> , 2004, 272, 39-52. | 0.9 | 108 |
| 10 | Retinoic acid regulates programmed cell death through BMP signalling. <i>Nature Cell Biology</i> , 1999, 1, 125-126. | 4.6 | 107 |
| 11 | Role of FGFs in the control of programmed cell death during limb development. <i>Development (Cambridge)</i> , 2001, 128, 2075-2084. | 1.2 | 85 |
| 12 | Tbx2 and Tbx3 Regulate the Dynamics of Cell Proliferation during Heart Remodeling. <i>PLoS ONE</i> , 2007, 2, e398. | 1.1 | 82 |
| 13 | STRUCTURAL BASIS OF BMP SIGNALING INHIBITION BY NOGGIN, A NOVEL TWELVE-MEMBERED CYSTINE KNOT PROTEIN. <i>Journal of Bone and Joint Surgery - Series A</i> , 2003, 85, 52-58. | 1.4 | 76 |
| 14 | Bone Morphogenetic Proteins Regulate Interdigital Cell Death in the Avian Embryo. <i>Annals of the New York Academy of Sciences</i> , 1999, 887, 120-132. | 1.8 | 63 |
| 15 | The limb identity gene Tbx5 promotes limb initiation by interacting with Wnt2b and Fgf10. <i>Development (Cambridge)</i> , 2002, 129, 5161-70. | 1.2 | 60 |
| 16 | Pitx2 regulates gonad morphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 11242-11247. | 3.3 | 57 |
| 17 | A Molecular Clock Operates During Chick Autopod Proximal-distal Outgrowth. <i>Journal of Molecular Biology</i> , 2007, 368, 303-309. | 2.0 | 55 |
| 18 | Is Senescence-Associated β -Galactosidase a Reliable in vivo Marker of Cellular Senescence During Embryonic Development?. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 623175. | 1.8 | 53 |

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|----|---|-----|-----------|
| 19 | Apoptosis during embryonic tissue remodeling is accompanied by cell senescence. <i>Aging</i> , 2015, 7, 974-985. | 1.4 | 42 |
| 20 | Regulation by members of the transforming growth factor beta superfamily of the digital and interdigital fates of the autopodial limb mesoderm. <i>Cell and Tissue Research</i> , 1999, 296, 95-102. | 1.5 | 37 |
| 21 | V-ATPase Proton Pumping Activity Is Required for Adult Zebrafish Appendage Regeneration. <i>PLoS ONE</i> , 2014, 9, e92594. | 1.1 | 33 |
| 22 | Ontogenetic Cell Death and Phagocytosis in the Visual System of Vertebrates. <i>Developmental Dynamics</i> , 2014, 243, 1203-1225. | 0.8 | 27 |
| 23 | Senescence-associated β -galactosidase activity in the developing avian retina. <i>Developmental Dynamics</i> , 2019, 248, 850-865. | 0.8 | 23 |
| 24 | Expression and Functional Study of Extracellular BMP Antagonists during the Morphogenesis of the Digits and Their Associated Connective Tissues. <i>PLoS ONE</i> , 2013, 8, e60423. | 1.1 | 22 |
| 25 | Coordinated and sequential activation of neutral and acidic DNases during interdigital cell death in the embryonic limb. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010, 15, 1197-1210. | 2.2 | 21 |
| 26 | FLRT3 as a key player on chick limb development. <i>Developmental Biology</i> , 2011, 355, 324-333. | 0.9 | 20 |
| 27 | Retinal differentiation in an altricial bird species, <i>Taeniopygia guttata</i> : An immunohistochemical study. <i>Experimental Eye Research</i> , 2020, 190, 107869. | 1.2 | 11 |
| 28 | Recent advances in the study of limb development: the emergence and function of the apical ectodermal ridge. <i>Journal of Stem Cells</i> , 2013, 8, 79-98. | 1.0 | 11 |
| 29 | Retinal histogenesis in an altricial avian species, the zebra finch (<i>Taeniopygia guttata</i> , Vieillot) <i>Tj ETQq1 1 0.784314 rgBT /Overbo</i> | 0.9 | 10 |
| 30 | Development and postnatal neurogenesis in the retina: a comparison between altricial and precocial bird species. <i>Neural Regeneration Research</i> , 2021, 16, 16. | 1.6 | 9 |
| 31 | Targeting the hemangioblast with a novel cell type-specific enhancer. <i>BMC Developmental Biology</i> , 2011, 11, 76. | 2.1 | 8 |
| 32 | Endogenous pH 6.0 β -Galactosidase Activity Is Linked to Neuronal Differentiation in the Olfactory Epithelium. <i>Cells</i> , 2022, 11, 298. | 1.8 | 4 |
| 33 | Analysis of Programmed Cell Death and Senescence Markers in the Developing Retina of an Altricial Bird Species. <i>Cells</i> , 2021, 10, 504. | 1.8 | 3 |
| 34 | Timing and Distribution of Mitotic Activity in the Retina During Precocial and Altricial Modes of Avian Development. <i>Frontiers in Neuroscience</i> , 2022, 16, . | 1.4 | 2 |
| 35 | Comparative Analysis of Type I Keratin Expression By Nail Consistency: An Immunohistochemistry Study. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2022, 30, 298-303. | 0.6 | 1 |
| 36 | Histogenesis and cell differentiation in the retina of <i>Thunnus thynnus</i> : A morphological and immunohistochemical study. <i>Tissue and Cell</i> , 2022, 76, 101809. | 1.0 | 1 |

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|----|--|-----|-----------|
| 37 | 09-P015 Oct4 controls apical ectodermal ridge integrity and function during limb bud development. Mechanisms of Development, 2009, 126, S154-S155. | 1.7 | 0 |