

JosÃ© L FerrÃ¡n

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,768
citations

257450

24
h-index

302126

39
g-index

65
all docs

65
docs citations

65
times ranked

1764
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Development of the serotonergic cells in murine raphe nuclei and their relations with rhombomeric domains. <i>Brain Structure and Function</i> , 2013, 218, 1229-1277. | 2.3 | 101 |
| 2 | Molecular regionalization of the developing amphioxus neural tube challenges major partitions of the vertebrate brain. <i>PLoS Biology</i> , 2017, 15, e2001573. | 5.6 | 96 |
| 3 | Topography of somatostatin gene expression relative to molecular progenitor domains during ontogeny of the mouse hypothalamus. <i>Frontiers in Neuroanatomy</i> , 2011, 5, 10. | 1.7 | 87 |
| 4 | Concept of neural genoarchitecture and its genomic fundament. <i>Frontiers in Neuroanatomy</i> , 2012, 6, 47. | 1.7 | 82 |
| 5 | A model of early molecular regionalization in the chicken embryonic pretectum. <i>Journal of Comparative Neurology</i> , 2007, 505, 379-403. | 1.6 | 80 |
| 6 | Selective early expression of the orphan nuclear receptor <i>Nr4a2</i> identifies the claustrum homolog in the avian mesopallium: Impact on sauropsidian/mammalian pallium comparisons. <i>Journal of Comparative Neurology</i> , 2016, 524, 665-703. | 1.6 | 80 |
| 7 | Molecular codes defining rostrocaudal domains in the embryonic mouse hypothalamus. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 46. | 1.7 | 79 |
| 8 | Genoarchitectonic profile of developing nuclear groups in the chicken pretectum. <i>Journal of Comparative Neurology</i> , 2009, 517, 405-451. | 1.6 | 74 |
| 9 | 3 dimensional modelling of early human brain development using optical projection tomography. <i>BMC Neuroscience</i> , 2004, 5, 27. | 1.9 | 69 |
| 10 | Early pretectal gene expression pattern shows a conserved anteroposterior tripartition in mouse and chicken. <i>Brain Research Bulletin</i> , 2008, 75, 295-298. | 3.0 | 65 |
| 11 | Subpallial Enhancer Transgenic Lines: a Data and Tool Resource to Study Transcriptional Regulation of GABAergic Cell Fate. <i>Neuron</i> , 2016, 92, 59-74. | 8.1 | 62 |
| 12 | Incipient forebrain boundaries traced by differential gene expression and fate mapping in the chick neural plate. <i>Developmental Biology</i> , 2009, 335, 43-65. | 2.0 | 55 |
| 13 | In search of common developmental and evolutionary origin of the claustrum and subplate. <i>Journal of Comparative Neurology</i> , 2020, 528, 2956-2977. | 1.6 | 51 |
| 14 | Embryonic genoarchitecture of the pretectum in <i>Xenopus laevis</i> : A conserved pattern in tetrapods. <i>Journal of Comparative Neurology</i> , 2011, 519, 1024-1050. | 1.6 | 47 |
| 15 | Postnatal isoform switch and protein localization of LEF1 and TCF7L2 transcription factors in cortical, thalamic, and mesencephalic regions of the adult mouse brain. <i>Brain Structure and Function</i> , 2013, 218, 1531-1549. | 2.3 | 44 |
| 16 | Radial and tangential migration of telencephalic somatostatin neurons originated from the mouse diagonal area. <i>Brain Structure and Function</i> , 2016, 221, 3027-3065. | 2.3 | 42 |
| 17 | The Pallium in Reptiles and Birds in the Light of the Updated Tetrapartite Pallium Model. , 2017, , 519-555. | | 42 |
| 18 | Regionalized differentiation of CRH, TRH, and GHRH peptidergic neurons in the mouse hypothalamus. <i>Brain Structure and Function</i> , 2014, 219, 1083-1111. | 2.3 | 41 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Evolutionarily conserved A-to-I editing increases protein stability of the alternative splicing factor <i>Noval</i> . <i>RNA Biology</i> , 2012, 9, 12-21. | 3.1 | 40 |
| 20 | Multiple origins, migratory paths and molecular profiles of cells populating the avian interpeduncular nucleus. <i>Developmental Biology</i> , 2012, 361, 12-26. | 2.0 | 40 |
| 21 | Anatomical and gene expression mapping of the ventral pallium in a three-dimensional model of developing human brain. <i>Neuroscience</i> , 2005, 136, 625-632. | 2.3 | 36 |
| 22 | Diencephalon. , 2012, , 313-336. | | 35 |
| 23 | Dynamic mRNA distribution pattern of thyroid hormone transporters and deiodinases during early embryonic chicken brain development. <i>Neuroscience</i> , 2012, 221, 69-85. | 2.3 | 34 |
| 24 | Comparison of Pretectal Genoarchitectonic Pattern between Quail and Chicken Embryos. <i>Frontiers in Neuroanatomy</i> , 2011, 5, 23. | 1.7 | 29 |
| 25 | Ontogenetic expression of Sonic Hedgehog in the chicken subpallium. <i>Frontiers in Neuroanatomy</i> , 2010, 4, . | 1.7 | 27 |
| 26 | <i>Meis</i> gene expression patterns in the developing chicken inner ear. <i>Journal of Comparative Neurology</i> , 2011, 519, 125-147. | 1.6 | 27 |
| 27 | Patterned Vascularization of Embryonic Mouse Forebrain, and Neuromeric Topology of Major Human Subarachnoidal Arterial Branches: A Prosomeric Mapping. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 59. | 1.7 | 24 |
| 28 | <i>LacZ</i> reporter mapping of <i>Dlx5</i> / <i>Dlx6</i> expression and genoarchitectural analysis of the postnatal mouse prethalamus. <i>Journal of Comparative Neurology</i> , 2021, 529, 367-420. | 1.6 | 23 |
| 29 | Distinct and redundant expression and transcriptional diversity of <i>MEIS</i> gene paralogs during chicken development. <i>Developmental Dynamics</i> , 2011, 240, 1475-1492. | 1.8 | 21 |
| 30 | Exploring Brain Genoarchitecture by Single and Double Chromogenic In Situ Hybridization (ISH) and Immunohistochemistry (IHC) on Cryostat, Paraffin, or Floating Sections. <i>Neuromethods</i> , 2015, , 83-107. | 0.3 | 20 |
| 31 | Gene expression analysis of developing cell groups in the prepectal region of <i>Xenopus laevis</i> . <i>Journal of Comparative Neurology</i> , 2017, 525, 715-752. | 1.6 | 19 |
| 32 | Hypothalamic <i>Pomc</i> expression restricted to GABAergic neurons suppresses <i>Npy</i> overexpression and restores food intake in obese mice. <i>Molecular Metabolism</i> , 2020, 37, 100985. | 6.5 | 18 |
| 33 | Origin and early development of the chicken adenohipophysis. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 7. | 1.7 | 17 |
| 34 | Contrasting 5' and 3' Evolutionary Histories and Frequent Evolutionary Convergence in <i>Meis/hth</i> Gene Structures. <i>Genome Biology and Evolution</i> , 2011, 3, 551-564. | 2.5 | 16 |
| 35 | <i>TCF7L2</i> regulates postmitotic differentiation programs and excitability patterns in the thalamus. <i>Development (Cambridge)</i> , 2020, 147, . | 2.5 | 16 |
| 36 | <i>Raldh3</i> gene expression pattern in the developing chicken inner ear. <i>Journal of Comparative Neurology</i> , 2009, 514, 49-65. | 1.6 | 15 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Habituation Training Improves Locomotor Performance in a Forced Running Wheel System in Rats. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 42. | 2.0 | 14 |
| 38 | Developmental pattern of NADPH-diaphorase positive neurons in chick optic tectum is sensitive to changes in visual stimulation. <i>Journal of Comparative Neurology</i> , 2006, 494, 1007-1030. | 1.6 | 13 |
| 39 | Characterization of an eutherian gene cluster generated after transposon domestication identifies Bex3 as relevant for advanced neurological functions. <i>Genome Biology</i> , 2020, 21, 267. | 8.8 | 10 |
| 40 | Dopaminergic Modulation of Forced Running Performance in Adolescent Rats: Role of Striatal D1 and Extra-striatal D2 Dopamine Receptors. <i>Molecular Neurobiology</i> , 2021, 58, 1782-1791. | 4.0 | 9 |
| 41 | Lessons from <i>Amphioxus</i> Bauplan About Origin of Cranial Nerves of Vertebrates That Innervates Extrinsic Eye Muscles. <i>Anatomical Record</i> , 2019, 302, 452-462. | 1.4 | 8 |
| 42 | Exploring Brain Genoarchitecture by Single and Double Chromogenic In Situ Hybridization (ISH) and Immunohistochemistry (IHC) in Whole-Mount Embryos. <i>Neuromethods</i> , 2015, , 61-82. | 0.3 | 7 |
| 43 | Developmental changes in the spatial pattern of mesencephalic trigeminal nucleus (Mes5) neuron populations in the developing chick optic tectum. <i>Journal of Comparative Neurology</i> , 2002, 448, 337-348. | 1.6 | 6 |
| 44 | A Handful of Details to Ensure the Experimental Reproducibility on the FORCED Running Wheel in Rodents: A Systematic Review. <i>Frontiers in Endocrinology</i> , 2021, 12, 638261. | 3.5 | 6 |
| 45 | Is There a Prechordal Region and an Acroterminal Domain in <i>Amphioxus</i> ?. <i>Brain, Behavior and Evolution</i> , 2022, 96, 334-352. | 1.7 | 6 |
| 46 | Prosomeric Hypothalamic Distribution of Tyrosine Hydroxylase Positive Cells in Adolescent Rats. <i>Frontiers in Neuroanatomy</i> , 2022, 16, . | 1.7 | 6 |
| 47 | Hypothalamic Crh/Avp, Plasmatic Glucose and Lactate Remain Unchanged During Habituation to Forced Exercise. <i>Frontiers in Physiology</i> , 2020, 11, 410. | 2.8 | 5 |
| 48 | Developmental pattern of plasminogen activator activity in chick optic lobe. <i>International Journal of Developmental Neuroscience</i> , 1997, 15, 805-812. | 1.6 | 4 |
| 49 | Sex-dependent effects of forced exercise in the body composition of adolescent rats. <i>Scientific Reports</i> , 2021, 11, 10154. | 3.3 | 4 |
| 50 | Genoarchitecture of the Early Postmitotic Pretectum and the Role of Wnt Signaling in Shaping Pretectal Neurochemical Anatomy in Zebrafish. <i>Frontiers in Neuroanatomy</i> , 2022, 16, 838567. | 1.7 | 4 |
| 51 | Expression Pattern of <i>nos1</i> in the Developing Nervous System of Ray-Finned Fish. <i>Genes</i> , 2022, 13, 918. | 2.4 | 4 |
| 52 | Análisis del movimiento durante la escalada como estrategia para el aprendizaje de la anatomía del aparato locomotor en Ciencias del Deporte. <i>Espiral Cuadernos Del Profesorado</i> , 2021, 14, . | 0.8 | 2 |
| 53 | Aprendizaje y evaluación de contenidos de anatomía humana en Ciencias del Deporte mediante vídeos de Surf. <i>Espiral Cuadernos Del Profesorado</i> , 2021, 15, . | 0.8 | 2 |
| 54 | Architect genes of the brain: A look at brain evolution through genoarchitecture. <i>Metode</i> , 2016, . | 0.1 | 1 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Developmental pattern of plasminogen activator activity in chick brain hemispheres. <i>Neurochemical Research</i> , 1998, 23, 1185-1190. | 3.3 | 0 |
| 56 | O3-P095 Fate and molecular mapping of the telencephalic domain in the chick neural plate. <i>Mechanisms of Development</i> , 2009, 126, S94-S95. | 1.7 | 0 |
| 57 | O3-P108 Role of highly-conserved non-coding DNA regions as regulatory modules controlling the expression of <i>Msx1</i> in the chicken pretectum. <i>Mechanisms of Development</i> , 2009, 126, S99. | 1.7 | 0 |
| 58 | Gene expression analysis of developing cell groups in the pretectal region of <i>Xenopus laevis</i> . <i>Journal of Comparative Neurology</i> , 2017, 525, spc1-spc1. | 1.6 | 0 |
| 59 | SAT-596 POMC Expression in GABAergic Neurons Suppresses NPY Overexpression and Restores Food Intake in Obese Mice. <i>Journal of the Endocrine Society</i> , 2020, 4, . | 0.2 | 0 |
| 60 | Change in the neurochemical signature and morphological development of the parvocellular isthmic projection to the avian tectum. <i>Journal of Comparative Neurology</i> , 2022, 530, 553-573. | 1.6 | 0 |