

Miguel L Concha

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

4,731
citations

172386

29
h-index

138417

58
g-index

69
all docs

69
docs citations

69
times ranked

4850
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometrical characterization of active contraction pulses in epithelial cells using the two-dimensional vertex model. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20210851.	1.5	4
2	Mutation in protein disulfide isomerase A3 causes neurodevelopmental defects by disturbing endoplasmic reticulum proteostasis. <i>EMBO Journal</i> , 2022, 41, e105531.	3.5	11
3	Developmental Biology in Chile: historical perspectives and future challenges. <i>International Journal of Developmental Biology</i> , 2021, 65, 29-47.	0.3	0
4	A tale of turns and cycles guiding to neural crest migration - an interview with Roberto Mayor. <i>International Journal of Developmental Biology</i> , 2021, 65, 123-129.	0.3	0
5	CD44 loss of function sensitizes AML cells to the BCL-2 inhibitor venetoclax by decreasing CXCL12-driven survival cues. <i>Blood</i> , 2021, 138, 1067-1080.	0.6	29
6	Apical contacts stemming from incomplete delamination guide progenitor cell allocation through a dragging mechanism. <i>ELife</i> , 2021, 10, .	2.8	6
7	Organization of the Catecholaminergic System in the Short-Lived Fish <i>Nothobranchius furzeri</i> . <i>Frontiers in Neuroanatomy</i> , 2021, 15, 728720.	0.9	8
8	Control of lysosomal-mediated cell death by the pH-dependent calcium channel RECS1. <i>Science Advances</i> , 2021, 7, eabe5469.	4.7	14
9	Geographic variation in the laryngeal morphology of a widely distributed South-American anuran: behavioural and evolutionary implications. <i>Zoological Journal of the Linnean Society</i> , 2020, 190, 140-148.	1.0	2
10	Toxicity and differential oxidative stress effects on zebrafish larvae following exposure to toxins from the okadaic acid group. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2020, 83, 573-588.	1.1	19
11	KCTD5, a novel TRPM4-regulatory protein required for cell migration as a new predictor for breast cancer prognosis. <i>FASEB Journal</i> , 2020, 34, 7847-7865.	0.2	26
12	Cell migration driven by substrate deformation gradients. <i>Physical Biology</i> , 2019, 16, 066001.	0.8	6
13	The Reprimo gene family member, reprimo-like (<i>rprml</i>), is required for blood development in embryonic zebrafish. <i>Scientific Reports</i> , 2019, 9, 7131.	1.6	4
14	Expression of RPRM/ <i>rprm</i> in the Olfactory System of Embryonic Zebrafish (<i>Danio rerio</i>). <i>Frontiers in Neuroanatomy</i> , 2018, 12, 23.	0.9	5
15	Editorial: From Ecology to Brain Development: Bridging Separate Evolutionary Paradigms. <i>Frontiers in Neuroscience</i> , 2018, 12, 447.	1.4	1
16	IRE1 \pm governs cytoskeleton remodelling and cell migration through a direct interaction with filamin A. <i>Nature Cell Biology</i> , 2018, 20, 942-953.	4.6	98
17	Directional asymmetry in the volume of the human habenula. <i>Brain Structure and Function</i> , 2017, 222, 1087-1092.	1.2	40
18	Gastrulation in an annual killifish: Molecular and cellular events during germ layer formation in <i>Austrolebias</i> . <i>Developmental Dynamics</i> , 2017, 246, 812-826.	0.8	18

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19	Extra-embryonic tissue spreading directs early embryo morphogenesis in killifish. <i>Nature Communications</i> , 2017, 8, 15431.	5.8	37
20	Heterochrony and Morphological Variation of Epithalamic Asymmetry. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2017, 328, 157-164.	0.6	5
21	Changes in neural circuitry associated with depression at pre-clinical, pre-motor and early motor phases of Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2017, 35, 17-24.	1.1	43
22	Prion Function and Pathophysiology in Non-Mammalian Models. <i>Current Molecular Medicine</i> , 2017, 17, 13-23.	0.6	2
23	<scp>ALS</scp>â€linked protein disulfide isomerase variants cause motor dysfunction. <i>EMBO Journal</i> , 2016, 35, 845-865.	3.5	109
24	Nodal signalling and asymmetry of the nervous system. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150401.	1.8	16
25	An evolutionary perspective on habenular asymmetry in humans. <i>Journal of Neurology and Neuromedicine</i> , 2016, 1, 44-50.	0.9	4
26	Genetics: A Common Origin for Neuronal Asymmetries?. <i>Current Biology</i> , 2014, 24, R201-R204.	1.8	0
27	Cell migration: from tissue culture to embryos. <i>Development (Cambridge)</i> , 2014, 141, 1999-2013.	1.2	147
28	Computational Methods for Analysis of Dynamic Events in Cell Migration. <i>Current Molecular Medicine</i> , 2014, 14, 291-307.	0.6	10
29	Daam1a mediates asymmetric habenular morphogenesis by regulating dendritic and axonal outgrowth. <i>Development (Cambridge)</i> , 2013, 140, 3997-4007.	1.2	23
30	Encoding asymmetry within neural circuits. <i>Nature Reviews Neuroscience</i> , 2012, 13, 832-843.	4.9	125
31	TMBIM3/GRINA is a novel unfolded protein response (UPR) target gene that controls apoptosis through the modulation of ER calcium homeostasis. <i>Cell Death and Differentiation</i> , 2012, 19, 1013-1026.	5.0	70
32	Evolutionary Plasticity of Habenular Asymmetry with a Conserved Efferent Connectivity Pattern. <i>PLoS ONE</i> , 2012, 7, e35329.	1.1	27
33	Impronta GenÃmica y Desarrollo Embrionario. <i>International Journal of Morphology</i> , 2012, 30, 1453-1457.	0.1	5
34	Morphologic and immunohistochemical organization of the human habenular complex. <i>Journal of Comparative Neurology</i> , 2011, 519, 3727-3747.	0.9	33
35	Planar cell polarity signalling regulates cell adhesion properties in progenitors of the zebrafish laterality organ. <i>Development (Cambridge)</i> , 2010, 137, 3459-3468.	1.2	58
36	Insights into the organization of dorsal spinal cord pathways from an evolutionarily conserved <i>raldh2</i> intronic enhancer. <i>Development (Cambridge)</i> , 2010, 137, 507-518.	1.2	34

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37	Zebrafish and medaka: model organisms for a comparative developmental approach of brain asymmetry. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 991-1003.	1.8	52
38	An Fgf8-Dependent Bistable Cell Migratory Event Establishes CNS Asymmetry. <i>Neuron</i> , 2009, 61, 27-34.	3.8	84
39	Mechanisms of directional asymmetry in the zebrafish epithalamus. <i>Seminars in Cell and Developmental Biology</i> , 2009, 20, 498-509.	2.3	36
40	Origin and shaping of the laterality organ in zebrafish. <i>Development (Cambridge)</i> , 2008, 135, 2807-2813.	1.2	112
41	Functions of BarH transcription factors during embryonic development. <i>Developmental Biology</i> , 2007, 302, 367-375.	0.9	36
42	Chronic stress decreases the expression of sympathetic markers in the pineal gland and increases plasma melatonin concentration in rats. <i>Journal of Neurochemistry</i> , 2006, 97, 1279-1287.	2.1	40
43	Zebrafish BarH-like genes define discrete neural domains in the early embryo. <i>Gene Expression Patterns</i> , 2006, 6, 347-352.	0.3	22
44	Expression of pcp4a in subpopulations of CNS neurons in zebrafish. <i>Journal of Comparative Neurology</i> , 2006, 495, 769-787.	0.9	6
45	Laterotopic Representation of Left-Right Information onto the Dorso-Ventral Axis of a Zebrafish Midbrain Target Nucleus. <i>Current Biology</i> , 2005, 15, 238-243.	1.8	191
46	genes as primary determinants of population level lateralisation. <i>Behavioral and Brain Sciences</i> , 2005, 28, 593-594.	0.4	0
47	Early Stages of Zebrafish Eye Formation Require the Coordinated Activity of Wnt11, Fz5, and the Wnt/ β ² -Catenin Pathway. <i>Neuron</i> , 2005, 47, 43-56.	3.8	203
48	Combinatorial Fgf and Bmp signalling patterns the gastrula ectoderm into prospective neural and epidermal domains. <i>Development (Cambridge)</i> , 2004, 131, 3581-3592.	1.2	94
49	Hedgehog and Fgf signaling pathways regulate the development of tphR-expressing serotonergic raphe neurons in zebrafish embryos. <i>Journal of Neurobiology</i> , 2004, 60, 275-288.	3.7	80
50	The dorsal diencephalic conduction system of zebrafish as a model of vertebrate brain lateralisation. <i>NeuroReport</i> , 2004, 15, 1843-1846.	0.6	48
51	Local Tissue Interactions across the Dorsal Midline of the Forebrain Establish CNS Laterality. <i>Neuron</i> , 2003, 39, 423-438.	3.8	175
52	Slb/Wnt11 controls hypoblast cell migration and morphogenesis at the onset of zebrafish gastrulation. <i>Development (Cambridge)</i> , 2003, 130, 5375-5384.	1.2	145
53	Prickle 1 regulates cell movements during gastrulation and neuronal migration in zebrafish. <i>Development (Cambridge)</i> , 2003, 130, 4037-4046.	1.2	231
54	Non-canonical Wnt signalling and regulation of gastrulation movements. <i>Seminars in Cell and Developmental Biology</i> , 2002, 13, 251-260.	2.3	187

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55	Evolutionary divergence of the reptilian and the mammalian brains: considerations on connectivity and development. <i>Brain Research Reviews</i> , 2002, 39, 141-153.	9.1	75
56	Lefty Antagonism of Squint Is Essential for Normal Gastrulation. <i>Current Biology</i> , 2002, 12, 2129-2135.	1.8	89
57	Asymmetry in the epithalamus of vertebrates. <i>Journal of Anatomy</i> , 2001, 199, 63-84.	0.9	232
58	Vertebrate gastrulation: Calcium waves orchestrate cell movements. <i>Current Biology</i> , 2001, 11, R470-R472.	1.8	22
59	A mutation in the Gsk3-binding domain of zebrafish Masterblind/Axin1 leads to a fate transformation of telencephalon and eyes to diencephalon. <i>Genes and Development</i> , 2001, 15, 1427-1434.	2.7	242
60	Asymmetry in the epithalamus of vertebrates. , 2001, 199, 63.		32
61	Silberblick/Wnt11 mediates convergent extension movements during zebrafish gastrulation. <i>Nature</i> , 2000, 405, 76-81.	13.7	919
62	A Nodal Signaling Pathway Regulates the Laterality of Neuroanatomical Asymmetries in the Zebrafish Forebrain. <i>Neuron</i> , 2000, 28, 399-409.	3.8	257
63	Expression of nk2.1a during early development of the thyroid gland in zebrafish. <i>Mechanisms of Development</i> , 2000, 95, 267-270.	1.7	82
64	Early replicating DNA involved in the G2 to M transition in <i>Allium cepa</i> L meristematic cells. <i>Biology of the Cell</i> , 1995, 83, 99-103.	0.7	0