

Ignacio S Álvarez

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,300
citations

331670

21
h-index

377865

34
g-index

40
all docs

40
docs citations

40
times ranked

1179
citing authors

#	ARTICLE	IF	CITATIONS
1	Locations of the ectodermal and nonectodermal subdivisions of the epiblast at stages 3 and 4 of avian gastrulation and neurulation. <i>The Journal of Experimental Zoology</i> , 1993, 267, 431-446.	1.4	138
2	Contribution of culture media to oxidative stress and its effect on human oocytes. <i>Reproductive BioMedicine Online</i> , 2008, 17, 652-661.	2.4	110
3	Phosphorylation of STIM1 at ERK1/2 target sites modulates store-operated calcium entry. <i>Journal of Cell Science</i> , 2010, 123, 3084-3093.	2.0	108
4	Expansion of surface epithelium provides the major extrinsic force for bending of the neural plate. <i>The Journal of Experimental Zoology</i> , 1992, 261, 340-348.	1.4	97
5	Fate map of the chicken neural plate at stage 4. <i>Development (Cambridge)</i> , 2002, 129, 2807-2822.	2.5	83
6	Neural Induction in Whole Chick Embryo Cultures by FGF. <i>Developmental Biology</i> , 1998, 199, 42-54.	2.0	71
7	Pax2, Otx2, Gbx2 and Fgf8 expression in early otic vesicle development. <i>Mechanisms of Development</i> , 2000, 95, 225-229.	1.7	68
8	Shaping, invagination, and closure of the chick embryo otic vesicle: Scanning electron microscopic and quantitative study. <i>The Anatomical Record</i> , 1990, 228, 315-326.	1.8	60
9	Cell proliferation during early development of the chick embryo otic anlage: Quantitative comparison of migratory and nonmigratory regions of the otic epithelium. <i>Journal of Comparative Neurology</i> , 1989, 290, 278-288.	1.6	48
10	Cell death in the ventral region of the neural retina during the early development of the chick embryo eye. <i>The Anatomical Record</i> , 1988, 222, 272-281.	1.8	47
11	Store-Operated Calcium Entry in Human Oocytes and Sensitivity to Oxidative Stress ¹ . <i>Biology of Reproduction</i> , 2008, 78, 307-315.	2.7	42
12	Induction of cardiogenesis by Hensen's node and fibroblast growth factors. <i>Cell and Tissue Research</i> , 2002, 309, 237-249.	2.9	40
13	Calcium signaling in mouse oocyte maturation: the roles of STIM1, ORAI1 and SOCE. <i>Molecular Human Reproduction</i> , 2012, 18, 194-203.	2.8	39
14	Relocalization of STIM1 in mouse oocytes at fertilization: early involvement of store-operated calcium entry. <i>Reproduction</i> , 2009, 138, 211-221.	2.6	34
15	STIM1 phosphorylation triggered by epidermal growth factor mediates cell migration. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 233-243.	4.1	34
16	Patterns of neurepithelial cell rearrangement during avian neurulation are determined prior to notochordal inductive interactions. <i>Developmental Biology</i> , 1991, 143, 78-92.	2.0	31
17	Proliferation of glial precursors during the early development of the chick optic nerve. <i>Anatomy and Embryology</i> , 1985, 172, 365-373.	1.5	28
18	AMP-activated kinase in human spermatozoa: identification, intracellular localization, and key function in the regulation of sperm motility. <i>Asian Journal of Andrology</i> , 2017, 19, 707.	1.6	27

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19	Cell death in suboptic necrotic centers of chick embryo diencephalon and their topographic relationship with the earliest optic fiber fascicles. <i>Journal of Comparative Neurology</i> , 1988, 278, 34-46.	1.6	24
20	Differential staining of dead and dying embryonic cells with a simple new technique. <i>Journal of Microscopy</i> , 1986, 142, 101-106.	1.8	23
21	Inhibition of STIM1 phosphorylation underlies resveratrol-induced inhibition of store-operated calcium entry. <i>Biochemical Pharmacology</i> , 2013, 86, 1555-1563.	4.4	22
22	Extra-axonal environment and fibre directionality in the early development of the chick embryo optic chiasm: A light and scanning electron microscopic study. <i>Journal of Neurocytology</i> , 1987, 16, 299-310.	1.5	21
23	4 Role of Cell Rearrangement in Axial Morphogenesis. <i>Current Topics in Developmental Biology</i> , 1992, 27, 129-173.	2.2	20
24	Morphological and quantitative studies in the otic region of the neural tube in chick embryos suggest a neuroectodermal origin for the otic placode. <i>Journal of Anatomy</i> , 1998, 193, 35-48.	1.5	19
25	N-acetylcysteine addition after vitrification improves oocyte mitochondrial polarization status and the quality of embryos derived from vitrified murine oocytes. <i>BMC Veterinary Research</i> , 2019, 15, 31.	1.9	13
26	A neural plate fate map at stage HH4 in the chick: methodology and preliminary data. <i>Brain Research Bulletin</i> , 2002, 57, 293-295.	3.0	12
27	Glioblast migration in the optic stalk of the chick embryo. <i>Anatomy and Embryology</i> , 1987, 176, 79-85.	1.5	11
28	Role of Store-Operated Calcium Entry During Meiotic Progression and Fertilization of Mammalian Oocytes. <i>International Review of Cell and Molecular Biology</i> , 2012, 295, 291-328.	3.2	11
29	The effects of BMPs on early chick embryos suggest a conserved signaling mechanism for epithelial and neural induction among vertebrates. <i>Brain Research Bulletin</i> , 2002, 57, 289-291.	3.0	6
30	Oxidative stress in human oocytes during IVF handling. <i>Fertility and Sterility</i> , 2004, 82, S56-S57.	1.0	4
31	Quantitative studies of mitotic cells in the chick embryo optic stalk during the early period of invasion by optic fibres. <i>Anatomy and Embryology</i> , 1989, 180, 343-351.	1.5	3
32	Laparoscopic uterine graft procurement and surgical autotransplantation in ovine model. <i>Scientific Reports</i> , 2019, 9, 8095.	3.3	3
33	4-Hydroxyestradiol improves mouse embryo quality, epidermal growth factor-binding capability in vitro and implantation rates. <i>Molecular Human Reproduction</i> , 2021, 27, .	2.8	2
34	Monoclonal antibodies identifying subsets of ectodermal, mesodermal, and endodermal cells in gastrulating and neurulating avian embryos. <i>The Anatomical Record</i> , 1993, 235, 591-603.	1.8	1
35	Monoclonal antibody GL1 and its possible involvement in the morphogenesis of the otic vesicle. , 1999, 254, 288-297.		0
36	Extended Embryo Culture Supplementation. , 2012, , 471-484.		0

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37	Histological cut of a paraffin-embedded blastocyst: Optimized protocol for murine blastocysts. MethodsX, 2020, 7, 100767.	1.6	0
38	Extended Embryo Culture Supplementation. , 2013, , 433-456.		0
39	Outlining adequate protocols for Lidia bull epididymal storage and sperm cryopreservation: use of glycerol, dimethylformamide and N-acetylcysteine. Spanish Journal of Agricultural Research, 2017, 15, e0405.	0.6	0
40	Effect of N-acetyl cysteine on the quality of blastocyst formation rate using cultured vitrified murine embryos. Journal of the Hellenic Veterinary Medical Society, 2020, 71, 2315.	0.3	0