

Dalit Sela-Donenfeld

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

980
citations

430874

18
h-index

477307

29
g-index

46
all docs

46
docs citations

46
times ranked

1031
citing authors

#	ARTICLE	IF	CITATIONS
1	Canonical Wnt activity regulates trunk neural crest delamination linking BMP/noggin signaling with G1/S transition. <i>Development (Cambridge)</i> , 2004, 131, 5327-5339.	2.5	167
2	Localized BMP4-Noggin Interactions Generate the Dynamic Patterning of Noggin Expression in Somites. <i>Developmental Biology</i> , 2002, 246, 311-328.	2.0	80
3	Matrix metalloproteinase 9/gelatinase B is required for neural crest cell migration. <i>Developmental Biology</i> , 2012, 364, 162-177.	2.0	70
4	Avian Hemangioma Retrovirus Induces Cell Proliferation via the Envelope (env) Gene. <i>Virology</i> , 2000, 276, 161-168.	2.4	41
5	Expression of matrix metalloproteinases during impairment and recovery of the avian growth plate1. <i>Journal of Animal Science</i> , 2009, 87, 3544-3555.	0.5	40
6	A new role of hindbrain boundaries as pools of neural stem/progenitor cells regulated by Sox2. <i>BMC Biology</i> , 2016, 14, 57.	3.8	36
7	Hindbrain induction and patterning during early vertebrate development. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 941-960.	5.4	34
8	Calponin 2 Acts As an Effector of Noncanonical Wnt-Mediated Cell Polarization during Neural Crest Cell Migration. <i>Cell Reports</i> , 2013, 3, 615-621.	6.4	33
9	Effects of storage conditions on hatchability, embryonic survival and cytoarchitectural properties in broiler from young and old flocks. <i>Poultry Science</i> , 2018, 97, 1429-1440.	3.4	32
10	Inhibition of BMPs by follistatin is required for FGF3 expression and segmental patterning of the hindbrain. <i>Developmental Biology</i> , 2008, 324, 213-225.	2.0	31
11	Boundary cells regulate a switch in the expression of FGF3 in hindbrain rhombomeres. <i>BMC Developmental Biology</i> , 2009, 9, 16.	2.1	31
12	Axonal Patterns and Targets of dA1 Interneurons in the Chick Hindbrain. <i>Journal of Neuroscience</i> , 2012, 32, 5757-5771.	3.6	28
13	A novel role for Pax6 in the segmental organization of the hindbrain. <i>Development (Cambridge)</i> , 2013, 140, 2190-2202.	2.5	28
14	A new role of the membrane-type matrix metalloproteinase 16 (MMP16/MT3-MMP) in neural crest cell migration. <i>International Journal of Developmental Biology</i> , 2017, 61, 245-256.	0.6	27
15	Analysis of expression and function of FGF-MAPK signaling components in the hindbrain reveals a central role for FGF3 in the regulation of Krox20, mediated by Pea3. <i>Developmental Biology</i> , 2010, 344, 881-895.	2.0	26
16	Cellular and morphological characterization of blastoderms from freshly laid broiler eggs. <i>Poultry Science</i> , 2017, 96, 4399-4408.	3.4	26
17	Eph Receptors: Two Ways to Sharpen Boundaries. <i>Current Biology</i> , 2005, 15, R210-R212.	3.9	24
18	Bmp5/7 in concert with the mid-hindbrain organizer control development of noradrenergic locus coeruleus neurons. <i>Molecular and Cellular Neurosciences</i> , 2010, 45, 1-11.	2.2	21

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19	Expression of hindbrain boundary markers is regulated by FGF3. <i>Biology Open</i> , 2012, 1, 67-74.	1.2	21
20	A proof of concept study demonstrating that environmental levels of carbamazepine impair early stages of chick embryonic development. <i>Environment International</i> , 2019, 129, 583-594.	10.0	20
21	Conserved role of matrix metalloproteases 2 and 9 in promoting the migration of neural crest cells in avian and mammalian embryos. <i>FASEB Journal</i> , 2020, 34, 5240-5261.	0.5	19
22	Control of Axon Guidance and Neurotransmitter Phenotype of dB1 Hindbrain Interneurons by Lim-HD Code. <i>Journal of Neuroscience</i> , 2015, 35, 2596-2611.	3.6	15
23	Programmed Endothelial Cell Death Induced by an Avian Hemangioma Retrovirus Is Density Dependent. <i>Virology</i> , 1996, 223, 233-237.	2.4	14
24	Primordial germ cells in the dorsal mesentery of the chicken embryo demonstrate left-right asymmetry and polarized distribution of the <sc>EMA</sc>1 epitope. <i>Journal of Anatomy</i> , 2014, 224, 556-563.	1.5	14
25	Gene Transfer to Chicks Using Lentiviral Vectors Administered via the Embryonic Chorioallantoic Membrane. <i>PLoS ONE</i> , 2012, 7, e36531.	2.5	12
26	The Role of Matrix Gla Protein in Ossification and Recovery of the Avian Growth Plate. <i>Frontiers in Endocrinology</i> , 2012, 3, 79.	3.5	11
27	Axonal Projection Patterns of the Dorsal Interneuron Populations in the Embryonic Hindbrain. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 793161.	1.7	11
28	Temporal-specific roles of Fragile X mental retardation protein in the development of hindbrain auditory circuit. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	10
29	The chick blastoderm during diapause, a landmark for optimization of preincubation storage conditions. <i>Poultry Science</i> , 2021, 100, 101227.	3.4	10
30	Neural stem cells deriving from chick embryonic hindbrain recapitulate hindbrain development in culture. <i>Scientific Reports</i> , 2018, 8, 13920.	3.3	9
31	A Novel Role for VICKZ Proteins in Maintaining Epithelial Integrity during Embryogenesis. <i>PLoS ONE</i> , 2015, 10, e0136408.	2.5	8
32	Brain Organization and Human Diseases. <i>Cells</i> , 2022, 11, 1642.	4.1	8
33	Electroporation of the Hindbrain to Trace Axonal Trajectories and Synaptic Targets in the Chick Embryo. <i>Journal of Visualized Experiments</i> , 2013, , e50136.	0.3	7
34	â€œA narrow bridge homeâ€ The dorsal mesentery in primordial germ cell migration. <i>Seminars in Cell and Developmental Biology</i> , 2019, 92, 97-104.	5.0	5
35	HREM, RNAseq and Cell Cycle Analyses Reveal the Role of the G2/M-Regulatory Protein, WEE1, on the Survivability of Chicken Embryos during Diapause. <i>Biomedicines</i> , 2022, 10, 779.	3.2	5
36	The Role of Matrix Metalloproteinase-2 and Metalloproteinase-9 in Embryonic Neural Crest Cells and Their Derivatives. , 2017, , 27-48.		2

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37	A "Brief History" of Developmental Biology in Israel. International Journal of Developmental Biology, 2017, 61, 115-120.	0.6	1
38	S20-03 A new effector, the matrix-metalloproteinase MMP9, is essential for neural crest onset of migration. Mechanisms of Development, 2009, 126, S20-S21.	1.7	0
39	Matrix Metalloproteinases in Bone Health and Disease. , 2013, , 289-312.		0
40	Editorial: The Long Road to Building a Head: Smooth Travels and Accidents on the Journey From Patterning via Morphogenesis to Phenotype. Frontiers in Cell and Developmental Biology, 2022, 10, 895497.	3.7	0