Dalit Sela-Donenfeld

List of Publications by Year
in descending order

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	HREM, RNAseq and Cell Cycle Analyses Reveal the Role of the G2/M-Regulatory Protein, WEE1, on the Survivability of Chicken Embryos during Diapause. Biomedicines, 2022, 10, 779.	3.2	5
2	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
3	Brain Organization and Human Diseases. Cells, 2022, 11, 1642.	4.1	8
4	The chick blastoderm during diapause, a landmark for optimization of preincubation storage conditions. Poultry Science, 2021, 100, 101227.	3.4	10
5	Axonal Projection Patterns of the Dorsal Interneuron Populations in the Embryonic Hindbrain. Frontiers in Neuroanatomy, 2021, 15, 793161.	1.7	11
6	Temporal-specific roles of Fragile X mental retardation protein in the development of hindbrain auditory circuit. Development (Cambridge), 2020, 147, .	2.5	10
7	Conserved role of matrix metalloproteases 2 and 9 in promoting the migration of neural crest cells in avian and mammalian embryos. FASEB Journal, 2020, 34, 5240-5261.	0.5	19
8	A proof of concept study demonstrating that environmental levels of carbamazepine impair early stages of chick embryonic development. Environment International, 2019, 129, 583-594.	10.0	20
9	â€œA narrow bridge homeâ€• The dorsal mesentery in primordial germ cell migration. Seminars in Cell and Developmental Biology, 2019, 92, 97-104.	5.0	5
10	Hindbrain induction and patterning during early vertebrate development. Cellular and Molecular Life Sciences, 2019, 76, 941-960.	5.4	34
11	Effects of storage conditions on hatchability, embryonic survival and cytoarchitectural properties in broiler from young and old flocks. Poultry Science, 2018, 97, 1429-1440.	3.4	32
12	Neural stem cells deriving from chick embryonic hindbrain recapitulate hindbrain development in culture. Scientific Reports, 2018, 8, 13920.	3.3	9
13	Cellular and morphological characterization of blastoderms from freshly laid broiler eggs. Poultry Science, 2017, 96, 4399-4408.	3.4	26
14	The Role of Matrix Metalloproteinase-2 and Metalloproteinase-9 in Embryonic Neural Crest Cells and Their Derivatives. , 2017, , 27-48.		2
15	A â€œBrief Historyâ€•of Developmental Biology in Israel. International Journal of Developmental Biology, 2017, 61, 115-120.	0.6	1
16	A new role of the membrane-type matrix metalloproteinase 16 (MMP16/MT3-MMP) in neural crest cell migration. International Journal of Developmental Biology, 2017, 61, 245-256.	0.6	27
17	A new role of hindbrain boundaries as pools of neural stem/progenitor cells regulated by Sox2. BMC Biology, 2016, 14, 57.	3.8	36
18	Control of Axon Guidance and Neurotransmitter Phenotype of dB1 Hindbrain Interneurons by Lim-HD Code. Journal of Neuroscience, 2015, 35, 2596-2611.	3.6	15

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19	A Novel Role for VICKZ Proteins in Maintaining Epithelial Integrity during Embryogenesis. PLoS ONE, 2015, 10, e0136408.	2.5	8
20	Primordial germ cells in the dorsal mesentery of the chicken embryo demonstrate leftâ€“right asymmetry and polarized distribution of the <scp>EMA</scp>1 epitope. Journal of Anatomy, 2014, 224, 556-563.	1.5	14
21	Calponin 2 Acts As an Effector of Noncanonical Wnt-Mediated Cell Polarization during Neural Crest Cell Migration. Cell Reports, 2013, 3, 615-621.	6.4	33
22	A novel role for Pax6 in the segmental organization of the hindbrain. Development (Cambridge), 2013, 140, 2190-2202.	2.5	28
23	Electroporation of the Hindbrain to Trace Axonal Trajectories and Synaptic Targets in the Chick Embryo. Journal of Visualized Experiments, 2013, , e50136.	0.3	7
24	Matrix Metalloproteinases in Bone Health and Disease. , 2013, , 289-312.		0
25	The Role of Matrix Gla Protein in Ossification and Recovery of the Avian Growth Plate. Frontiers in Endocrinology, 2012, 3, 79.	3.5	11
26	Axonal Patterns and Targets of dA1 Interneurons in the Chick Hindbrain. Journal of Neuroscience, 2012, 32, 5757-5771.	3.6	28
27	Expression of hindbrain boundary markers is regulated by FGF3. Biology Open, 2012, 1, 67-74.	1.2	21
28	Gene Transfer to Chicks Using Lentiviral Vectors Administered via the Embryonic Chorioallantoic Membrane. PLoS ONE, 2012, 7, e36531.	2.5	12
29	Matrix metalloproteinase 9/gelatinase B is required for neural crest cell migration. Developmental Biology, 2012, 364, 162-177.	2.0	70
30	Bmp5/7 in concert with the mid-hindbrain organizer control development of noradrenergic locus coeruleus neurons. Molecular and Cellular Neurosciences, 2010, 45, 1-11.	2.2	21
31	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. Developmental Biology, 2010, 344, 881-895.	2.0	26
32	Expression of matrix metalloproteinases during impairment and recovery of the avian growth plate1. Journal of Animal Science, 2009, 87, 3544-3555.	0.5	40
33	Boundary cells regulate a switch in the expression of FGF3 in hindbrain rhombomeres. BMC Developmental Biology, 2009, 9, 16.	2.1	31
34	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
35	Inhibition of BMPs by follistatin is required for FGF3 expression and segmental patterning of the hindbrain. Developmental Biology, 2008, 324, 213-225.	2.0	31
36	Eph Receptors: Two Ways to Sharpen Boundaries. Current Biology, 2005, 15, R210-R212.	3.9	24

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37	Canonical Wnt activity regulates trunk neural crest delamination linking BMP/noggin signaling with G1/S transition. Development (Cambridge), 2004, 131, 5327-5339.	2.5	167
38	Localized BMP4â€“Noggin Interactions Generate the Dynamic Patterning of Noggin Expression in Somites. Developmental Biology, 2002, 246, 311-328.	2.0	80
39	Avian Hemangioma Retrovirus Induces Cell Proliferation via the Envelope (env) Gene. Virology, 2000, 276, 161-168.	2.4	41
40	Programmed Endothelial Cell Death Induced by an Avian Hemangioma Retrovirus Is Density Dependent. Virology, 1996, 223, 233-237.	2.4	14