Raj K Ladher

List of Publications by Year
in descending order

32 papers	1,617 citations	394421 19 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	1657 citing authors

#	Article	IF	Citations
1	Signalling interactions during facial development. Mechanisms of Development, 1998, 75, 3-28.	1.7	217
2	FGF8 initiates inner ear induction in chick and mouse. Genes and Development, 2005, 19, 603-613.	5.9	177
3	Progressive restriction of otic fate: the role of FGF and Wnt in resolving inner ear potential. Development (Cambridge), 2008, 135, 3415-3424.	2.5	142
4	From shared lineage to distinct functions: the development of the inner ear and epibranchial placodes. Development (Cambridge), 2010, 137, 1777-1785.	2.5	121
5	Mouse FGF15 is the ortholog of human and chick FGF19, but is not uniquely required for otic induction. Developmental Biology, 2004, 269, 264-275.	2.0	117
6	Expression of chickBarx-1 and its differential regulation by FGF-8 and BMP signaling in the maxillary primordia. , 1999, 214, 291-302.		105
7	FGF Signaling Regulates Cytoskeletal Remodeling during Epithelial Morphogenesis. Current Biology, 2008, 18, 976-981.	3.9	67
8	Comparison of the expression patterns of several fibroblast growth factors during chick gastrulation and neurulation. Anatomy and Embryology, 2002, 205, 365-370.	1.5	65
9	FGFR1-Frs2/3 Signalling Maintains Sensory Progenitors during Inner Ear Hair Cell Formation. PLoS Genetics, 2014, 10, e1004118.	3.5	60
10	Embryonic development of the emu, Dromaius novaehollandiae. Developmental Dynamics, 2011, 240, 162-175.	1.8	54
11	The amniote paratympanic organ develops from a previously undiscovered sensory placode. Nature Communications, 2012, 3, 1041.	12.8	52
12	Deficient FGF signaling causes optic nerve dysgenesis and ocular coloboma. Development (Cambridge), 2013, 140, 2711-2723.	2.5	50
13	Evolution of a developmental mechanism: Species-specific regulation of the cell cycle and the timing of events during craniofacial osteogenesis. Developmental Biology, 2014, 385, 380-395.	2.0	44
14	Junctionally restricted RhoA activity is necessary for apical constriction during phase 2 inner ear placode invagination. Developmental Biology, 2014, 394, 206-216.	2.0	40
15	Early steps in inner ear development: induction and morphogenesis of the otic placode. Frontiers in Pharmacology, 2015, 6, 19.	3.5	40
16	Analysis of FGF-Dependent and FGF-Independent Pathways in Otic Placode Induction. PLoS ONE, 2013, 8, e55011.	2.5	39
17	Survey of fibroblast growth factor expression during chick organogenesis. The Anatomical Record, 2002, 268, 1-6.	1.8	36
18	Retinoic acid regulates olfactory progenitor cell fate and differentiation. Neural Development, 2013, 8, 13.	2.4	35

#	Article	IF	Citations
19	Pax2 modulates proliferation during specification of the otic and epibranchial placodes. Developmental Dynamics, 2012, 241, 1716-1728.	1.8	24
20	Cellular analysis of cleavage-stage chick embryos reveals hidden conservation in vertebrate early development. Development (Cambridge), 2015, 142, 1279-86.	2.5	22
21	Characterization of the finch embryo supports evolutionary conservation of the naive stage of development in amniotes. ELife, 2015, 4, e07178.	6.0	18
22	Rostral paraxial mesoderm regulates refinement of the eye field through the bone morphogenetic protein (BMP) pathway. Developmental Biology, 2009, 330, 389-398.	2.0	15
23	FGFR1-mediated protocadherin-15 loading mediates cargo specificity during intraflagellar transport in inner ear hair-cell kinocilia. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8388-8393.	7.1	14
24	Changing shape and shaping change: Inducing the inner ear. Seminars in Cell and Developmental Biology, 2017, 65, 39-46.	5.0	13
25	Development of the Sensory Organs. Science Progress, 2002, 85, 151-173.	1.9	12
26	Induction of the chick columella and its integration with the inner ear. Developmental Dynamics, 2012, 241, 1104-1110.	1.8	9
27	Zebra finch as a developmental model. Genesis, 2015, 53, 669-677.	1.6	8
28	Expression of the heparan sulfate 6â€Oâ€endosulfatases, Sulf1 and Sulf2, in the avian and mammalian inner ear suggests a role for sulfation during inner ear development. Developmental Dynamics, 2015, 244, 168-180.	1.8	8
29	Molecular cloning and functional characterisation of chicken Atonal homologue 1: A comparison with human Atoh1. Biology of the Cell, 2015, 107, 41-60.	2.0	7
30	Hair cell differentiation becomes tissue specific by E9.5 in mouse inner ear. NeuroReport, 2007, 18, 841-844.	1.2	3
31	From placode to labyrinth: Culture of the chicken inner ear. Methods, 2014, 66, 447-453.	3.8	2
32	Squeezing into Differentiation. Developmental Cell, 2011, 21, 607-608.	7.0	1