Jinwoong Bok

List of Publications by Year in descending order

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67 papers	1,980 citations	236925 25 h-index	276875 41 g-index
70 all docs	70 docs citations	70 times ranked	2527 citing authors

#	Article	IF	Citations
1	Multiple Distinct Signal Pathways, Including an Autocrine Neurotrophic Mechanism, Contribute to the Survival-Promoting Effect of Depolarization on Spiral Ganglion NeuronsIn Vitro. Journal of Neuroscience, 2001, 21, 2256-2267.	3.6	138
2	Patterning and morphogenesis of the vertebrate inner ear. International Journal of Developmental Biology, 2007, 51, 521-533.	0.6	136
3	Role of the hindbrain in dorsoventral but not anteroposterior axial specification of the inner ear. Development (Cambridge), 2005, 132, 2115-2124.	2.5	101
4	Opposing gradients of Gli repressor and activators mediate Shh signaling along the dorsoventral axis of the inner ear. Development (Cambridge), 2007, 134, 1713-1722.	2.5	96
5	Transient retinoic acid signaling confers anterior-posterior polarity to the inner ear. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 161-166.	7.1	85
6	Auditory ganglion source of Sonic hedgehog regulates timing of cell cycle exit and differentiation of mammalian cochlear hair cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13869-13874.	7.1	81
7	Intestinal cell kinase, a protein associated with endocrine-cerebro-osteodysplasia syndrome, is a key regulator of cilia length and Hedgehog signaling. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8541-8546.	7.1	74
8	CaMKII and CaMKIV mediate distinct prosurvival signaling pathways in response to depolarization in neurons. Molecular and Cellular Neurosciences, 2007, 36, 13-26.	2.2	66
9	Ca2/calmodulin-dependent protein kinases II and IV both promote survival but differ in their effects on axon growth in spiral ganglion neurons. Journal of Neuroscience Research, 2003, 72, 169-184.	2.9	64
10	Methionine sulfoxide reductase B3 deficiency causes hearing loss due to stereocilia degeneration and apoptotic cell death in cochlear hair cells. Human Molecular Genetics, 2014, 23, 1591-1601.	2.9	53
11	Conserved role of Sonic Hedgehog in tonotopic organization of the avian basilar papilla and mammalian cochlea. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3746-3751.	7.1	53
12	An Extranuclear Locus of cAMP-Dependent Protein Kinase Action Is Necessary and Sufficient for Promotion of Spiral Ganglion Neuronal Survival by cAMP. Journal of Neuroscience, 2003, 23, 777-787.	3.6	51
13	Therapeutic potential of the mitochondria-targeted antioxidant MitoQ in mitochondrial-ROS induced sensorineural hearing loss caused by Idh2 deficiency. Redox Biology, 2019, 20, 544-555.	9.0	43
14	rMAPS2: an update of the RNA map analysis and plotting server for alternative splicing regulation. Nucleic Acids Research, 2020, 48, W300-W306.	14.5	39
15	Developmental Gene Expression Profiling along the Tonotopic Axis of the Mouse Cochlea. PLoS ONE, 2012, 7, e40735.	2.5	39
16	Clinical and molecular characterizations of novelPOU3F4mutations reveal that DFN3 is due to null function of POU3F4 protein. Physiological Genomics, 2009, 39, 195-201.	2.3	37
17	Correlation between genotype and phenotype in patients with biâ€allelic <scp>SLC26A4</scp> mutations. Clinical Genetics, 2014, 86, 270-275.	2.0	37
18	Gene therapy for hereditary hearing loss by SLC26A4 mutations in mice reveals distinct functional roles of pendrin in normal hearing. Theranostics, 2019, 9, 7184-7199.	10.0	35

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19	Identification of genes concordantly expressed withAtoh1during inner ear development. Anatomy and Cell Biology, 2011, 44, 69.	1.0	34
20	Profiling of miRNAs and target genes related to cystogenesis in ADPKD mouse models. Scientific Reports, 2017, 7, 14151.	3.3	33
21	Pannexin 3 is required for normal progression of skeletal development in vertebrates. FASEB Journal, 2015, 29, 4473-4484.	0.5	31
22	Clinical evaluation of DFN3 patients with deletions in the POU3F4 locus and detection of carrier female using MLPA. Clinical Genetics, 2010, 78, 524-532.	2.0	30
23	Pou3f4 deficiency causes defects in otic fibrocytes and stria vascularis by different mechanisms. Biochemical and Biophysical Research Communications, 2011, 404, 528-533.	2.1	30
24	Functional Evaluation of GJB2 Variants in Nonsyndromic Hearing Loss. Molecular Medicine, 2011, 17, 550-556.	4.4	30
25	Spatiotemporal expression patterns of clusterin in the mouse inner ear. Cell and Tissue Research, 2017, 370, 89-97.	2.9	30
26	Impact of miRâ€192 and miRâ€194 on cyst enlargement through EMT in autosomal dominant polycystic kidney disease. FASEB Journal, 2019, 33, 2870-2884.	0.5	26
27	CHD7 Mutational Analysis and Clinical Considerations for Auditory Rehabilitation in Deaf Patients with CHARGE Syndrome. PLoS ONE, 2011, 6, e24511.	2.5	25
28	Distinct contributions from the hindbrain and mesenchyme to inner ear morphogenesis. Developmental Biology, 2010, 337, 324-334.	2.0	24
29	Pax3 function is required specifically for inner ear structures with melanogenic fates. Biochemical and Biophysical Research Communications, 2014, 445, 608-614.	2.1	23
30	Different functional consequences of two missense mutations in theGJB2gene associated with non-syndromic hearing loss. Human Mutation, 2009, 30, E716-E727.	2.5	22
31	Destabilization and Mislocalization of POU3F4 by C-Terminal Frameshift Truncation and Extension Mutation. Human Mutation, 2013, 34, 309-316.	2.5	22
32	Targeted Gene Delivery into the Mammalian Inner Ear Using Synthetic Serotypes of Adeno-Associated Virus Vectors. Molecular Therapy - Methods and Clinical Development, 2019, 13, 197-204.	4.1	22
33	Role of hindbrain in inner ear morphogenesis: Analysis of Noggin knockout mice. Developmental Biology, 2007, 311, 69-78.	2.0	20
34	A Systematic Survey of Carbonic Anhydrase <scp>mRNA</scp> Expression During Mammalian Inner Ear Development. Developmental Dynamics, 2013, 242, 269-280.	1.8	19
35	The effect of novel mutations on the structure and enzymatic activity of unconventional myosins associated with autosomal dominant non-syndromic hearing loss. Open Biology, 2014, 4, 140107.	3.6	19
36	Identification of evidence for autoimmune pathology of bilateral sudden sensorineural hearing loss using proteomic analysis. Clinical Immunology, 2017, 183, 24-35.	3.2	18

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37	Albumin-Like Protein is the Major Protein Constituent of Luminal Fluid in the Human Endolymphatic Sac. PLoS ONE, 2011, 6, e21656.	2.5	16
38	Dysregulation of sonic hedgehog signaling causes hearing loss in ciliopathy mouse models. ELife, 2020, 9, .	6.0	16
39	Distinct roles of stereociliary links in the nonlinear sound processing and noise resistance of cochlear outer hair cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11109-11117.	7.1	15
40	Conditional Deletion of Pten Leads to Defects in Nerve Innervation and Neuronal Survival in Inner Ear Development. PLoS ONE, 2013, 8, e55609.	2.5	14
41	Strong sonic hedgehog signaling in the mouse ventral spinal cord is not required for oligodendrocyte precursor cell (OPC) generation but is necessary for correct timing of its generation. Neurochemistry International, 2018, 119, 178-183.	3.8	14
42	Developmental Changes of ENaC Expression and Function in the Inner Ear of Pendrin Knock-Out Mice as a Perspective on the Development of Endolymphatic Hydrops. PLoS ONE, 2014, 9, e95730.	2.5	13
43	Hoxc8 Represses BMP-Induced Expression of Smad6. Molecules and Cells, 2010, 29, 29-34.	2.6	12
44	Proliferating cell nuclear antigen (Pcna) as a direct downstream target gene of Hoxc8. Biochemical and Biophysical Research Communications, 2010, 392, 543-547.	2.1	12
45	Identification of a novel splicing mutation within SLC17A8 in a Korean family with hearing loss by whole-exome sequencing. Gene, 2017, 627, 233-238.	2.2	12
46	Activation of sonic hedgehog signaling by a Smoothened agonist restores congenital defects in mouse models of endocrine-cerebro-osteodysplasia syndrome. EBioMedicine, 2019, 49, 305-317.	6.1	12
47	A pathogenâ€derived metabolite induces microglial activation via odorant receptors. FEBS Journal, 2020, 287, 3841-3870.	4.7	12
48	Regional-specific endodermal signals direct neural crest cells to form the three middle ear ossicles. Development (Cambridge), 2019, 146, .	2.5	11
49	Differential Roles of Tubby Family Proteins in Ciliary Formation and Trafficking. Molecules and Cells, 2021, 44, 591-601.	2.6	10
50	Genetic analysis of the CHD7 gene in Korean patients with CHARGE syndrome. Gene, 2013, 517, 164-168.	2.2	9
51	Degradomics of matrix metalloproteinases in inflammatory diseases. Frontiers in Bioscience - Scholar, 2015, 7, 150-167.	2.1	9
52	Magnetic Force Nanoprobe for Direct Observation of Audio Frequency Tonotopy of Hair Cells. Nano Letters, 2016, 16, 3885-3891.	9.1	9
53	Identification of a nonsense mutation in the STRC gene in a Korean family with moderate hearing loss. International Journal of Pediatric Otorhinolaryngology, 2016, 80, 78-81.	1.0	9
54	Exocyst Complex Member EXOC5 Is Required for Survival of Hair Cells and Spiral Ganglion Neurons and Maintenance of Hearing. Molecular Neurobiology, 2018, 55, 6518-6532.	4.0	9

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55	Inhibition of the Zeb family prevents murine palatogenesis through regulation of apoptosis and the cell cycle. Biochemical and Biophysical Research Communications, 2018, 506, 223-230.	2.1	9
56	Differential genetic diagnoses of adult post-lingual hearing loss according to the audiogram pattern and novel candidate gene evaluation. Human Genetics, 2022, 141, 915-927.	3.8	9
57	Uncovering the secreted signals and transcription factors regulating the development of mammalian middle ear ossicles. Developmental Dynamics, 2020, 249, 1410-1424.	1.8	8
58	Progressive hearing loss in vitamin A-deficient mice which may be protected by the activation of cochlear melanocyte. Scientific Reports, 2018, 8, 16415.	3.3	7
59	Nonsyndromic X-linked hearing loss. Frontiers in Bioscience - Elite, 2012, E4, 924-933.	1.8	7
60	Independent Mechanisms Are Utilized for the Coordinate and Transient Accumulation of Two Differentiation-Specific mRNAs during Differentiation of Naegleria gruberi Amoebae into Flagellates. Experimental Cell Research, 1995, 219, 47-53.	2.6	6
61	The third helix of the murine Hoxc8 homeodomain facilitates protein transduction in mammalian cells. Biochemical and Biophysical Research Communications, 2008, 377, 161-164.	2.1	6
62	CTCF Regulates Otic Neurogenesis via Histone Modification in the Locus. Molecules and Cells, 2018, 41, 695-702.	2.6	5
63	Building the mammalian cochlea â€" an overview. Genes and Genomics, 2010, 32, 1-7.	1.4	4
64	Temporal and spatial expression patterns of Hedgehog receptors in the developing inner and middle ear. International Journal of Developmental Biology, 2017, 61, 557-563.	0.6	4
65	CTCF is required for maintenance of auditory hair cells and hearing function in the mouse cochlea. Biochemical and Biophysical Research Communications, 2018, 503, 2646-2652.	2.1	4
66	CXCL12 is required for stirrupâ€shaped stapes formation during mammalian middle ear development. Developmental Dynamics, 2020, 249, 1117-1126.	1.8	4
67	Position Specific Alternative Splicing and Gene Expression Profiles Along the Tonotopic Axis of Chick Cochlea. Frontiers in Molecular Biosciences, 2021, 8, 726976.	3.5	3