Parker B Antin

List of Publications by Year
in descending order

75 papers	5,426 citations	117625 34 h-index	102487 66 g-index
78 all docs	78 docs citations	78 times ranked	7299 citing authors

#	Article	IF	Citations
1	Birth of a pathway for sulfur metabolism in early amniote evolution. Nature Ecology and Evolution, 2020, 4, 1239-1246.	7.8	3
2	Guidelines and definitions for research on epithelialâ€“mesenchymal transition. Nature Reviews Molecular Cell Biology, 2020, 21, 341-352.	37.0	1,195
3	Two Proximally Close Priority Candidate Genes for diplopodia-1, an Autosomal Inherited Craniofacial-Limb Syndrome in the Chicken: MRE11 and GPR83. Journal of Heredity, 2019, 110, 194-210.	2.4	0
4	Transitions. Developmental Dynamics, 2017, 246, 969-969.	1.8	0
5	The iPlant Collaborative: Cyberinfrastructure for Enabling Data to Discovery for the Life Sciences. PLoS Biology, 2016, 14, e1002342.	5.6	306
6	A conversation with Rudolf Jaenisch. Developmental Dynamics, 2016, 245, 698-701.	1.8	0
7	Silver lining to irreproducibility. Nature, 2016, 532, 177-177.	27.8	2
8	Gastrulation EMT Is Independent of P-Cadherin Downregulation. PLoS ONE, 2016, 11, e0153591.	2.5	15
9	Third Report on Chicken Genes and Chromosomes 2015. Cytogenetic and Genome Research, 2015, 145, 78-179.	1.1	97
10	Embryonic expression of the transforming growth factor beta ligand and receptor genes in chicken. Developmental Dynamics, 2014, 243, 497-508.	1.8	22
11	GEISHA: an evolving gene expression resource for the chicken embryo. Nucleic Acids Research, 2014, 42, D933-D937.	14.5	30
12	LNA-Based In Situ Hybridization Detection of mRNAs in Embryos. Methods in Molecular Biology, 2014, 1211, 69-76.	0.9	7
13	Olfactomedin-1 activity identifies a cell invasion checkpoint during epithelial-mesenchymal transition in the embryonic heart. DMM Disease Models and Mechanisms, 2013, 6, 632-42.	2.4	19
14	A digital upgrade as 113 years of print publication comes to an end. Developmental Dynamics, 2013, 242, 1347-1347.	1.8	0
15	Defining the Sequence Elements and Candidate Genes for the Coloboma Mutation. PLoS ONE, 2013, 8, e60267.	2.5	4
16	Fibroblast Growth Factor (FGF) Signaling during Gastrulation Negatively Modulates the Abundance of MicroRNAs That Regulate Proteins Required for Cell Migration and Embryo Patterning. Journal of Biological Chemistry, 2012, 287, 38505-38514.	3.4	25
17	Micro-RNA-195 and -451 Regulate the LKB1/AMPK Signaling Axis by Targeting MO25. PLoS ONE, 2012, 7, e41574.	2.5	55
18	FGF signalling through RAS/MAPK and PI3K pathways regulates cell movement and gene expression in the chicken primitive streak without affecting E-cadherin expression. BMC Developmental Biology, 2011, 11, 20.	2.1	68

#	Article	IF	Citations
19	Accelerated evolution of 3'avian FOXE1 genes, and thyroid and feather specific expression of chicken FoxE1. BMC Evolutionary Biology, 2011, 11, 302.	3.2	4
20	Wnt signaling and a Smad pathway blockade direct the differentiation of human pluripotent stem cells to multipotent neural crest cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19240-19245.	7.1	250
21	Embryonic expression of the chicken krÃ¼ppelâ€•like (<i>KLF</i>) transcription factor gene family. Developmental Dynamics, 2010, 239, 1879-1887.	1.8	31
22	Network Elucidation Template: A framework for human-guided network inference. Computers and Industrial Engineering, 2010, 58, 680-690.	6.3	0
23	Leiomodin-2 is an antagonist of tropomodulin-1 at the pointed end of the thin filaments in cardiac muscle. Journal of Cell Science, 2010, 123, 3136-3145.	2.0	86
24	Arsenic Exposure Perturbs Epithelial-Mesenchymal Cell Transition and Gene Expression In a Collagen Gel Assay. Toxicological Sciences, 2010, 116, 273-285.	3.1	17
25	Whole mount in situ hybridization detection of mRNAs using short LNA containing DNA oligonucleotide probes. Rna, 2010, 16, 632-637.	3.5	28
26	One process for pancreatic Î²-cell coalescence into islets involves an epithelialâ€“mesenchymal transition. Journal of Endocrinology, 2009, 203, 19-31.	2.6	89
27	The chicken gene nomenclature committee report. BMC Genomics, 2009, 10, S5.	2.8	34
28	BioNetBuilder2.0: bringing systems biology to chicken and other model organisms. BMC Genomics, 2009, 10, S6.	2.8	21
29	In a world with many development journals, why choose to publish inDevelopmental Dynamics?. Developmental Dynamics, 2009, 238, 1-1.	1.8	1
30	<i>Myocardin</i> expression during avian embryonic heart development requires the endoderm but is independent of BMP signaling. Developmental Dynamics, 2008, 237, 216-221.	1.8	12
31	Open Access:ARis Fully Compliant with Mandates from NIH and Other Funding Agencies. Anatomical Record, 2008, 291, 1573-1573.	1.4	0
32	Non-canonical Wnt signaling through Wnt5a/b and a novel Wnt11 gene, Wnt11b, regulates cell migration during avian gastrulation. Developmental Biology, 2008, 320, 391-401.	2.0	72
33	GEISHA: an in situ hybridization gene expression resource for the chicken embryo. Cytogenetic and Genome Research, 2007, 117, 30-35.	1.1	80
34	Gallus Expression In Situ Hybridization Analysis: A Chicken Embryo Gene Expression Database. Poultry Science, 2007, 86, 1472-1477.	3.4	15
35	<i>In situ</i>analysis of microRNA expression during vertebrate development. , 2007, , 102-114.		0
36	Has2 expression in heart forming regions is independent of BMP signaling. Gene Expression Patterns, 2006, 6, 462-470.	0.8	19

#	Article	IF	Citations
37	MicroRNA expression during chick embryo development. Developmental Dynamics, 2006, 235, 3156-3165.	1.8	230
38	Latrophilin-2 is a novel component of the epithelial-mesenchymal transition within the atrioventricular canal of the embryonic chicken heart. Developmental Dynamics, 2006, 235, 3213-3221.	1.8	40
39	Depolymerized Hyaluronan Induces Vascular Endothelial Growth Factor, a Negative Regulator of Developmental Epithelial-to-Mesenchymal Transformation. Circulation Research, 2006, 99, 583-589.	4.5	50
40	Differences in vertebrate microRNA expression. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14385-14389.	7.1	251
41	Genomic resources for chicken. Developmental Dynamics, 2005, 232, 877-882.	1.8	17
42	Disruption in the tropomodulin1 (Tmod1) gene compromises cardiomyocyte development in murine embryonic stem cells by arresting myofibril maturation. Developmental Biology, 2005, 282, 336-348.	2.0	36
43	Hedgehog signaling is essential for endothelial tube formation during vasculogenesis. Development (Cambridge), 2004, 131, 4371-4380.	2.5	178
44	GEISHA, a wholeâ€mount in situ hybridization gene expression screen in chicken embryos. Developmental Dynamics, 2004, 229, 677-687.	1.8	88
45	The chick embryo rules (still)!. Developmental Dynamics, 2004, 229, 413-413.	1.8	14
46	A bigger bang for your buck: Enhanced access to your chick data. Developmental Dynamics, 2004, 230, 391-391.	1.8	0
47	Regulation of Hex gene expression and initial stages of avian hepatogenesis by Bmp and Fgf signaling. Developmental Biology, 2004, 268, 312-326.	2.0	89
48	Tetracycline-inducible system for regulation of skeletal muscle-specific gene expression in transgenic mice. Transgenic Research, 2003, 12, 33-43.	2.4	32
49	Ephs and ephrins during early stages of chick embryogenesis. Developmental Dynamics, 2003, 228, 128-142.	1.8	41
50	The Complete Mouse Nebulin Gene Sequence and the Identification of Cardiac Nebulin. Journal of Molecular Biology, 2003, 328, 835-846.	4.2	73
51	Regulation of Hex Gene Expression by a Smads-dependent Signaling Pathway. Journal of Biological Chemistry, 2002, 277, 45435-45441.	3.4	43
52	Precocious expression of cardiac troponin T in early chick embryos is independent of bone morphogenetic protein signaling. Developmental Dynamics, 2002, 225, 135-141.	1.8	26
53	Precocious expression of cardiac troponin T in early chick embryos is independent of bone morphogenetic protein signaling. Developmental Dynamics, 2002, 225, 376-376.	1.8	1
54	Expression of the receptor tyrosine kinase gene EphB3 during early stages of chick embryo development. Mechanisms of Development, 2001, 104, 129-132.	1.7	23

#	Article	IF	Citations
55	Assembly of thick, thin, and titin filaments in chick precardiac explants. Developmental Dynamics, 2001, 221, 61-71.	1.8	55
56	Myofibrillogenesis in the Heart. , 2001, , 23-43.		0
57	To the heart of myofibril assembly. Trends in Cell Biology, 2000, 10, 355-362.	7.9	136
58	The RNA-binding protein gene, hermes, is expressed at high levels in the developing heart. Mechanisms of Development, 1999, 80, 77-86.	1.7	63
59	Expression of the homeobox gene Hex during early stages of chick embryo development. Mechanisms of Development, 1999, 80, 107-109.	1.7	68
60	cAMP responsiveness of the bovine calpastatin gene promoter. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1998, 1443, 186-192.	2.4	25
61	Regulation of Avian Cardiac Myogenesis by Activin/TGFÎ² and Bone Morphogenetic Proteins. Developmental Biology, 1998, 204, 407-419.	2.0	170
62	The Bovine Calpastatin Gene Promoter and a New N-terminal Region of the Protein Are Targets for cAMP-dependent Protein Kinase Activity. Journal of Biological Chemistry, 1998, 273, 660-666.	3.4	87
63	Cloning and sequencing of a developmentally regulated avian mRNA containing the LEA motif found in plant seed proteins. Gene, 1996, 175, 187-191.	2.2	15
64	Expression of avian glypican is developmentally regulated. , 1996, 207, 25-34.		16
65	Regulation of avian precardiac mesoderm development by insulin and insulin-like growth factors. , 1996, 168, 42-50.		56
66	Precardiac mesoderm is specified during gastrulation in quail. Developmental Dynamics, 1994, 200, 144-154.	1.8	97
67	Expression of gap junction protein Cx43 in cultured human normal and malignant lung cells. Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research, 1994, 6, 95-101.	2.2	2
68	Isolation and characterization of an avian myogenic cell line. Developmental Biology, 1991, 143, 111-121.	2.0	123
69	Transgene expression in the QM myogenic cell line. Developmental Biology, 1991, 143, 122-129.	2.0	9
70	Analysis of the upstream regions governing expression of the chicken cardiac troponin T gene in embryonic cardiac and skeletal muscle cells.. Journal of Cell Biology, 1988, 107, 573-585.	5.2	109
71	Role of stress fiber-like structures in assembling nascent myofibrils in myosheets recovering from exposure to ethyl methanesulfonate.. Journal of Cell Biology, 1986, 102, 1464-1479.	5.2	82
72	Interactions between IFs, Microtubules, and Myofibrils in Fibrogenic and Myogenic Cells. Annals of the New York Academy of Sciences, 1985, 455, 106-125.	3.8	34

#	Article	IF	Citations
73	The relationship between stress fiber-like structures and nascent myofibrils in cultured cardiac myocytes.. Journal of Cell Biology, 1984, 99, 2268-2278.	5.2	239
74	Taxol induces postmitotic myoblasts to assemble interdigitating microtubule-myosin arrays that exclude actin filaments.. Journal of Cell Biology, 1981, 90, 300-308.	5.2	154
75	Different proteins associated with 10-nanometer filaments in cultured chick neurons and nonneuronal cells. Science, 1981, 212, 567-569.	12.6	42