

Andreas Kispert

List of Publications by Year in descending order

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101
papers

6,295
citations

76326

40
h-index

71685

76
g-index

103
all docs

103
docs citations

103
times ranked

7327
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutation of BSND causes Bartter syndrome with sensorineural deafness and kidney failure. <i>Nature Genetics</i> , 2001, 29, 310-314.	21.4	510
2	Development of the Pacemaker Tissues of the Heart. <i>Circulation Research</i> , 2010, 106, 240-254.	4.5	272
3	Formation of the Sinus Node Head and Differentiation of Sinus Node Myocardium Are Independently Regulated by Tbx18 and Tbx3. <i>Circulation Research</i> , 2009, 104, 388-397.	4.5	264
4	Formation of the Venous Pole of the Heart From an Nkx2 ⁺ Negative Precursor Population Requires Tbx18. <i>Circulation Research</i> , 2006, 98, 1555-1563.	4.5	263
5	Tbx18 and the fate of epicardial progenitors. <i>Nature</i> , 2009, 458, E8-E9.	27.8	248
6	Mechanisms of T-box gene function in the developing heart. <i>Cardiovascular Research</i> , 2011, 91, 212-222.	3.8	228
7	Cloning and expression analysis of the mouse T-box gene Tbx18. <i>Mechanisms of Development</i> , 2001, 100, 83-86.	1.7	208
8	Tbx20 is essential for cardiac chamber differentiation and repression of Tbx2. <i>Development (Cambridge)</i> , 2005, 132, 2697-2707.	2.5	200
9	Notch Signaling Regulates Smooth Muscle Differentiation of Epicardium-Derived Cells. <i>Circulation Research</i> , 2011, 108, 813-823.	4.5	157
10	The Tbx2 ⁺ Primary Myocardium of the Atrioventricular Canal Forms the Atrioventricular Node and the Base of the Left Ventricle. <i>Circulation Research</i> , 2009, 104, 1267-1274.	4.5	147
11	Wt1 and Epicardial Fate Mapping. <i>Circulation Research</i> , 2012, 111, 165-169.	4.5	144
12	The T-box transcription factor Tbx18 maintains the separation of anterior and posterior somite compartments. <i>Genes and Development</i> , 2004, 18, 1209-1221.	5.9	143
13	The sinus venosus progenitors separate and diversify from the first and second heart fields early in development. <i>Cardiovascular Research</i> , 2010, 87, 92-101.	3.8	142
14	Tbx18 regulates the development of the ureteral mesenchyme. <i>Journal of Clinical Investigation</i> , 2006, 116, 663-674.	8.2	132
15	sFRP-2 is a target of the Wnt-4 signaling pathway in the developing metanephric kidney. <i>Developmental Dynamics</i> , 1998, 213, 440-451.	1.8	117
16	Cloning and expression analysis of the mouse T-box gene Tbx20. <i>Mechanisms of Development</i> , 2001, 100, 87-91.	1.7	112
17	Tbx2 and Tbx3 induce atrioventricular myocardial development and endocardial cushion formation. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 1377-1389.	5.4	110
18	The T-box transcription factor Tbx15 is required for skeletal development. <i>Mechanisms of Development</i> , 2005, 122, 131-144.	1.7	109

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19	Tbx20 Interacts With Smads to Confine <i>Tbx2</i> Expression to the Atrioventricular Canal. <i>Circulation Research</i> , 2009, 105, 442-452.	4.5	108
20	Tbx3 promotes liver bud expansion during mouse development by suppression of cholangiocyte differentiation. <i>Hepatology</i> , 2009, 49, 969-978.	7.3	101
21	Transcriptional Repression by the T-box Proteins Tbx18 and Tbx15 Depends on Groucho Corepressors. <i>Journal of Biological Chemistry</i> , 2007, 282, 25748-25759.	3.4	86
22	TBX22 Missense Mutations Found in Patients with X-Linked Cleft Palate Affect DNA Binding, Sumoylation, and Transcriptional Repression. <i>American Journal of Human Genetics</i> , 2007, 81, 700-712.	6.2	84
23	Tbx2 and Tbx3 Act Downstream of Shh to Maintain Canonical Wnt Signaling during Branching Morphogenesis of the Murine Lung. <i>Developmental Cell</i> , 2016, 39, 239-253.	7.0	82
24	Tbx15 controls skeletal muscle fibre-type determination and muscle metabolism. <i>Nature Communications</i> , 2015, 6, 8054.	12.8	76
25	Tbx2 Controls Lung Growth by Direct Repression of the Cell Cycle Inhibitor Genes <i>Cdkn1a</i> and <i>Cdkn1b</i> . <i>PLoS Genetics</i> , 2013, 9, e1003189.	3.5	72
26	Mutations in TBX18 Cause Dominant Urinary Tract Malformations via Transcriptional Dysregulation of Ureter Development. <i>American Journal of Human Genetics</i> , 2015, 97, 291-301.	6.2	72
27	Tbx18 expression demarcates multipotent precursor populations in the developing urogenital system but is exclusively required within the ureteric mesenchymal lineage to suppress a renal stromal fate. <i>Developmental Biology</i> , 2013, 380, 25-36.	2.0	70
28	A mouse gene of the paired-related homeobox class expressed in the caudal somite compartment and in the developing vertebral column, kidney and nervous system. <i>Development Genes and Evolution</i> , 1997, 207, 330-339.	0.9	69
29	Wnt6 Is Expressed in Granulomatous Lesions of <i>Mycobacterium tuberculosis</i> -Infected Mice and Is Involved in Macrophage Differentiation and Proliferation. <i>Journal of Immunology</i> , 2013, 191, 5182-5195.	0.8	66
30	Wnt6 Is Essential for Stromal Cell Proliferation During Decidualization in Mice ¹ . <i>Biology of Reproduction</i> , 2013, 88, 5.	2.7	63
31	Renal-Retinal Ciliopathy Gene <i>Sdccag8</i> Regulates DNA Damage Response Signaling. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 2573-2583.	6.1	63
32	Inhibition of Sox2-dependent activation of <i>Shh</i> in the ventral diencephalon by Tbx3 is required for formation of the neurohypophysis. <i>Development (Cambridge)</i> , 2013, 140, 2299-2309.	2.5	61
33	TBX15 Mutations Cause Craniofacial Dysmorphism, Hypoplasia of Scapula and Pelvis, and Short Stature in Cousin Syndrome. <i>American Journal of Human Genetics</i> , 2008, 83, 649-655.	6.2	60
34	Deafness in mice lacking the T-box transcription factor Tbx18 in otic fibrocytes. <i>Development (Cambridge)</i> , 2008, 135, 1725-1734.	2.5	58
35	Characterization of Pax-2 Regulatory Sequences That Direct Transgene Expression in the Wolffian Duct and Its Derivatives. <i>Developmental Biology</i> , 2001, 229, 128-140.	2.0	53
36	Ureter growth and differentiation. <i>Seminars in Cell and Developmental Biology</i> , 2014, 36, 21-30.	5.0	51

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37	Neuronal expression and interaction with the synaptic protein CASK suggest a role for Neph1 and Neph2 in synaptogenesis. <i>Journal of Comparative Neurology</i> , 2006, 498, 466-475.	1.6	49
38	Hydroureteronephrosis due to loss of Sox9-regulated smooth muscle cell differentiation of the ureteric mesenchyme. <i>Human Molecular Genetics</i> , 2010, 19, 4918-4929.	2.9	48
39	Inactivation of Sox9 in fibroblasts reduces cardiac fibrosis and inflammation. <i>JCI Insight</i> , 2019, 4, .	5.0	47
40	Tbx2 Terminates Shh/Fgf Signaling in the Developing Mouse Limb Bud by Direct Repression of Gremlin1. <i>PLoS Genetics</i> , 2013, 9, e1003467.	3.5	46
41	Sialic acid is a critical fetal defense against maternal complement attack. <i>Journal of Clinical Investigation</i> , 2018, 129, 422-436.	8.2	43
42	Loss of Sox9 in the periotic mesenchyme affects mesenchymal expansion and differentiation, and epithelial morphogenesis during cochlea development in the mouse. <i>Developmental Biology</i> , 2010, 342, 51-62.	2.0	42
43	Urk3b Is Dispensable for Development and Integrity of Urothelium and Mesothelium. <i>PLoS ONE</i> , 2014, 9, e112112.	2.5	42
44	Wt1 and Retinoic Acid Signaling in the Subcoelomic Mesenchyme Control the Development of the Pleuropericardial Membranes and the Sinus Horns. <i>Circulation Research</i> , 2010, 106, 1212-1220.	4.5	40
45	Canonical Wnt signaling regulates smooth muscle precursor development in the mouse ureter. <i>Development (Cambridge)</i> , 2012, 139, 3099-3108.	2.5	40
46	Analysis of TBX18 expression in chick embryos. <i>Development Genes and Evolution</i> , 2004, 214, 407-11.	0.9	39
47	A SHH-FOXF1-BMP4 signaling axis regulating growth and differentiation of epithelial and mesenchymal tissues in ureter development. <i>PLoS Genetics</i> , 2017, 13, e1006951.	3.5	38
48	Hepatocyte-specific suppression of microRNA-221-3p mitigates liver fibrosis. <i>Journal of Hepatology</i> , 2019, 70, 722-734.	3.7	38
49	Expression and requirement of T-box transcription factors Tbx2 and Tbx3 during secondary palate development in the mouse. <i>Developmental Biology</i> , 2009, 336, 145-155.	2.0	37
50	Tbx18 function in epicardial development. <i>Cardiovascular Research</i> , 2012, 96, 476-483.	3.8	37
51	Epicardial function of canonical Wnt-, Hedgehog-, Fgfr1/2-, and Pdgfra-signalling. <i>Cardiovascular Research</i> , 2013, 100, 411-421.	3.8	37
52	<i>Tbx15</i> Defines a Glycolytic Subpopulation and White Adipocyte Heterogeneity. <i>Diabetes</i> , 2017, 66, 2822-2829.	0.6	37
53	Growth differentiation factor 11 attenuates liver fibrosis via expansion of liver progenitor cells. <i>Gut</i> , 2020, 69, 1104-1115.	12.1	37
54	MicroRNA-199a-5p inhibition enhances the liver repopulation ability of human embryonic stem cell-derived hepatic cells. <i>Journal of Hepatology</i> , 2015, 62, 101-110.	3.7	35

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55	Heparan Sulfateâ€“Editing Extracellular Sulfatases Enhance VEGF Bioavailability for Ischemic Heart Repair. <i>Circulation Research</i> , 2019, 125, 787-801.	4.5	35
56	T-box Protein Tbx18 Interacts with the Paired Box Protein Pax3 in the Development of the Paraxial Mesoderm. <i>Journal of Biological Chemistry</i> , 2008, 283, 25372-25380.	3.4	32
57	TBX2 and TBX3 act downstream of canonical WNT signaling in patterning and differentiation of the mouse ureteric mesenchyme. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	32
58	Regulation of otocyst patterning by <i>Tbx2</i> and <i>Tbx3</i> is required for inner ear morphogenesis in the mouse. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	32
59	Comparative analysis of Neph gene expression in mouse and chicken development. <i>Histochemistry and Cell Biology</i> , 2012, 137, 355-366.	1.7	29
60	Diversification of Cell Lineages in Ureter Development. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 1792-1801.	6.1	29
61	GTPase domain driven dimerization of SEPT7 is dispensable for the critical role of septins in fibroblast cytokinesis. <i>Scientific Reports</i> , 2016, 6, 20007.	3.3	27
62	Cloning and expression analysis of the chick ortholog of TBX22, the gene mutated in X-linked cleft palate and ankyloglossia. <i>Mechanisms of Development</i> , 2002, 117, 321-325.	1.7	26
63	Impaired stria vascularis integrity upon loss of E-cadherin in basal cells. <i>Developmental Biology</i> , 2011, 359, 95-107.	2.0	26
64	Partial Absence of Pleuropericardial Membranes in Tbx18- and Wt1-Deficient Mice. <i>PLoS ONE</i> , 2012, 7, e45100.	2.5	25
65	Expression of fibulin-6 in failing hearts and its role for cardiac fibroblast migration. <i>Cardiovascular Research</i> , 2014, 103, 509-520.	3.8	25
66	Whole-exome sequencing identifies mutations of TBC1D1 encoding a Rab-GTPase-activating protein in patients with congenital anomalies of the kidneys and urinary tract (CAKUT). <i>Human Genetics</i> , 2016, 135, 69-87.	3.8	25
67	Wnt/ β 2-Catenin Signaling Maintains the Mesenchymal Precursor Pool for Murine Sinus Horn Formation. <i>Circulation Research</i> , 2011, 109, e42-50.	4.5	24
68	BMP4 uses several different effector pathways to regulate proliferation and differentiation in the epithelial and mesenchymal tissue compartments of the developing mouse ureter. <i>Human Molecular Genetics</i> , 2017, 26, 3553-3563.	2.9	24
69	Mutations in the leukemia inhibitory factor receptor (LIFR) gene and Lifr deficiency cause urinary tract malformations. <i>Human Molecular Genetics</i> , 2017, 26, 1716-1731.	2.9	23
70	The Brachyury protein: A T-domain transcription factor. <i>Seminars in Developmental Biology</i> , 1995, 6, 395-403.	1.3	22
71	Canonical Wnt signaling regulates the proliferative expansion and differentiation of fibrocytes in the murine inner ear. <i>Developmental Biology</i> , 2014, 391, 54-65.	2.0	22
72	Misexpression of Tbx18 in cardiac chambers of fetal mice interferes with chamber-specific developmental programs but does not induce a pacemaker-like gene signature. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 97, 140-149.	1.9	20

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73	TSHZ3 and SOX9 Regulate the Timing of Smooth Muscle Cell Differentiation in the Ureter by Reducing Myocardin Activity. <i>PLoS ONE</i> , 2013, 8, e63721.	2.5	19
74	Nephric duct insertion requires EphA4/EphA7 signaling from the pericloacal mesenchyme. <i>Development (Cambridge)</i> , 2014, 141, 3420-3430.	2.5	18
75	Fgfr2 is required for the expansion of the early adrenocortical primordium. <i>Molecular and Cellular Endocrinology</i> , 2015, 413, 168-177.	3.2	18
76	WNT6/ACC2-induced storage of triacylglycerols in macrophages is exploited by <i>Mycobacterium tuberculosis</i> . <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	17
77	Tbx20, Smads, and the Atrioventricular Canal. <i>Trends in Cardiovascular Medicine</i> , 2010, 20, 109-114.	4.9	16
78	Retinoic acid signaling maintains epithelial and mesenchymal progenitors in the developing mouse ureter. <i>Scientific Reports</i> , 2017, 7, 14803.	3.3	16
79	A 3D iPSC-differentiation model identifies interleukin-3 as a regulator of early human hematopoietic specification. <i>Haematologica</i> , 2021, 106, 1354-1367.	3.5	16
80	Wnt11 Is Required for Oriented Migration of Dermogenic Progenitor Cells from the Dorsomedial Lip of the Avian Dermomyotome. <i>PLoS ONE</i> , 2014, 9, e92679.	2.5	14
81	Dexamethasone improves therapeutic outcomes in a preclinical bacterial epididymitis mouse model. <i>Human Reproduction</i> , 2019, 34, 1195-1205.	0.9	14
82	Eph/ephrin signaling in the kidney and lower urinary tract. <i>Pediatric Nephrology</i> , 2016, 31, 359-371.	1.7	12
83	Mesothelial mobilization in the developing lung and heart differs in timing, quantity, and pathway dependency. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 316, L767-L783.	2.9	11
84	Delayed onset of smooth muscle cell differentiation leads to hydroureter formation in mice with conditional loss of the zinc finger transcription factor gene <i>Gata2</i> in the ureteric mesenchyme. <i>Journal of Pathology</i> , 2019, 248, 452-463.	4.5	11
85	Wnt/Ctnnb1 Signaling and the Mesenchymal Precursor Pools of the Heart. <i>Trends in Cardiovascular Medicine</i> , 2012, 22, 118-122.	4.9	9
86	Proteomic analysis identifies transcriptional cofactors and homeobox transcription factors as TBX18 binding proteins. <i>PLoS ONE</i> , 2018, 13, e0200964.	2.5	9
87	Epicardial Lineages. <i>Journal of Developmental Biology</i> , 2013, 1, 32-46.	1.7	8
88	Tbx18 Regulates the Differentiation of Periductal Smooth Muscle Stroma and the Maintenance of Epithelial Integrity in the Prostate. <i>PLoS ONE</i> , 2016, 11, e0154413.	2.5	8
89	TBX2-positive cells represent a multi-potent mesenchymal progenitor pool in the developing lung. <i>Respiratory Research</i> , 2019, 20, 292.	3.6	8
90	Combined genomic and proteomic approaches reveal DNA binding sites and interaction partners of TBX2 in the developing lung. <i>Respiratory Research</i> , 2021, 22, 85.	3.6	8

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91	Lack of Genetic Interaction between Tbx18 and Tbx2/Tbx20 in Mouse Epicardial Development. PLoS ONE, 2016, 11, e0156787.	2.5	7
92	Rare heterozygous GDF6 variants in patients with renal anomalies. European Journal of Human Genetics, 2020, 28, 1681-1693.	2.8	7
93	Expansion of the renal capsular stroma, ureteric bud branching defects and cryptorchidism in mice with <i>Wnt1</i> gene deletion in the stromal compartment of the developing kidney. Journal of Pathology, 2020, 252, 290-303.	4.5	6
94	FGFR2 signaling enhances the SHH-BMP4 signaling axis in early ureter development. Development (Cambridge), 2022, 149, .	2.5	6
95	Proteomic analysis identifies ZMYM2 as endogenous binding partner of TBX18 protein in 293 and A549 cells. Biochemical Journal, 2022, 479, 91-109.	3.7	6
96	A distant downstream enhancer directs essential expression of Tbx18 in urogenital tissues. Developmental Biology, 2014, 392, 483-493.	2.0	5
97	<i>Uridine diphosphate-N-acetylglucosamine-2-epimerase/N-acetylmannosamine kinase</i> deletion in mice leads to lethal intracerebral hemorrhage during embryonic development. Glycobiology, 2021, 31, 1478-1489.	2.5	5
98	Generation of hiPSC-derived low threshold mechanoreceptors containing axonal termini resembling bulbous sensory nerve endings and expressing Piezo1 and Piezo2. Stem Cell Research, 2021, 56, 102535.	0.7	4
99	Inflammation-like changes in the urothelium of Lifr-deficient mice and LIFR-haploinsufficient humans with urinary tract anomalies. Human Molecular Genetics, 2020, 29, 1192-1204.	2.9	2
100	Notch signaling is a novel regulator of visceral smooth muscle cell differentiation in the murine ureter. Development (Cambridge), 2022, , .	2.5	1
101	S100A1 expression characterizes terminally differentiated superficial cells in the urothelium of the murine bladder and ureter. Histochemistry and Cell Biology, 0, , .	1.7	1