Andreas Schedl

List of Publications by Year
in descending order

Version: 2024-02-01

116 papers	15,059 citations	26630 56 h-index	26613 107 g-index
122 all docs	122 docs citations	122 times ranked	16950 citing authors

#	Article	IF	Citations
1	Sexual dimorphism in COVID-19: potential clinical and public health implications. Lancet Diabetes and Endocrinology,the, 2022, 10, 221-230.	11.4	78
2	Insulin and obesity transform hypothalamic-pituitary-adrenal axis stemness and function in a hyperactive state. Molecular Metabolism, 2021, 43, 101112.	6.5	18
3	Pituitary stem cells produce paracrine WNT signals to control the expansion of their descendant progenitor cells. ELife, 2021, 10, .	6.0	27
4	Developmental mechanisms of adrenal cortex formation and their links with adult progenitor populations. Molecular and Cellular Endocrinology, 2021, 524, 111172.	3.2	3
5	The Sexually Dimorphic Adrenal Cortex: Implications for Adrenal Disease. International Journal of Molecular Sciences, 2021, 22, 4889.	4.1	23
6	Adrenal cortex renewal in health and disease. Nature Reviews Endocrinology, 2021, 17, 421-434.	9.6	33
7	Arrest of WNT/Î²-catenin signaling enables the transition from pluripotent to differentiated germ cells in mouse ovaries. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	17
8	Retinoic acid signaling is directly activated in cardiomyocytes and protects mouse hearts from apoptosis after myocardial infarction. ELife, 2021, 10, .	6.0	14
9	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and the neuroendocrine stress axis. Molecular Psychiatry, 2020, 25, 1611-1617.	7.9	70
10	Cancer Stem Cells in Pheochromocytoma and Paraganglioma. Frontiers in Endocrinology, 2020, 11, 79.	3.5	20
11	New Horizons: Novel Adrenal Regenerative Therapies. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 3103-3107.	3.6	16
12	Retinoic acid synthesis by ALDH1A proteins is dispensable for meiosis initiation in the mouse fetal ovary. Science Advances, 2020, 6, eaaz1261.	10.3	29
13	Duplex kidney formation: developmental mechanisms and genetic predisposition. F1000Research, 2020, 9, 2.	1.6	16
14	Local retinoic acid signaling directs emergence of the extraocular muscle functional unit. PLoS Biology, 2020, 18, e3000902.	5.6	21
15	R-spondin signalling is essential for the maintenance and differentiation of mouse nephron progenitors. ELife, 2020, 9, .	6.0	20
16	Local retinoic acid signaling directs emergence of the extraocular muscle functional unit. , 2020, 18, e3000902.		0
17	Local retinoic acid signaling directs emergence of the extraocular muscle functional unit. , 2020, 18, e3000902.		0
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19	Local retinoic acid signaling directs emergence of the extraocular muscle functional unit. , 2020, 18, e3000902.		0
20	Local retinoic acid signaling directs emergence of the extraocular muscle functional unit. , 2020, 18, e3000902.		0
21	Local retinoic acid signaling directs emergence of the extraocular muscle functional unit. , 2020, 18, e3000902.		0
22	A cell fitness selection model for neuronal survival during development. Nature Communications, 2019, 10, 4137.	12.8	10
23	The Adult Adrenal Cortex Undergoes Rapid Tissue Renewal in a Sex-Specific Manner. Cell Stem Cell, 2019, 25, 290-296.e2.	11.1	83
24	Sox11 gene disruption causes congenital anomalies of the kidney and urinary tract (CAKUT). Kidney International, 2018, 93, 1142-1153.	5.2	19
25	Genetic and Molecular Insights Into Genotype-Phenotype Relationships in Osteopathia Striata With Cranial Sclerosis (OSCS) Through the Analysis of Novel Mouse Wtx Mutant Alleles. Journal of Bone and Mineral Research, 2018, 33, 875-887.	2.8	10
26	Awakening the Bowman: inhibition of CXCL12 signaling activates parietal epithelial cells. Kidney International, 2018, 94, 1042-1044.	5.2	1
27	The author replies. Kidney International, 2018, 94, 827.	5.2	1
28	Myocardial-specific R-spondin3 drives proliferation of the coronary stems primarily through the Leucine Rich Repeat G Protein coupled receptor LGR4. Developmental Biology, 2018, 441, 42-51.	2.0	11
29	Amplification of R-spondin1 signaling induces granulosa cell fate defects and cancers in mouse adult ovary. Oncogene, 2017, 36, 208-218.	5.9	20
30	A knockâ€in mouse line conditionally expressing the tumor suppressor WTX/AMER1. Genesis, 2017, 55, e23074.	1.6	1
31	Coronary Artery Formation Is Driven by Localized Expression of R-spondin3. Cell Reports, 2017, 20, 1745-1754.	6.4	8
32	PKA inhibits WNT signalling in adrenal cortex zonation and prevents malignant tumour development. Nature Communications, 2016, 7, 12751.	12.8	86
33	Repression of CMIP transcription by WT1 is relevant to podocyte health. Kidney International, 2016, 90, 1298-1311.	5.2	17
34	Identifying Direct Downstream Targets: WT1 ChIP-Seq Analysis. Methods in Molecular Biology, 2016, 1467, 177-188.	0.9	0
35	The adrenal capsule is a signaling center controlling cell renewal and zonation through Rspo3. Genes and Development, 2016, 30, 1389-1394.	5.9	79
36	The Angiocrine Factor Rspondin3 Is a Key Determinant of Liver Zonation. Cell Reports, 2015, 13, 1757-1764.	6.4	155

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37	Sox9 Activation Highlights a Cellular Pathway of Renal Repair in the Acutely Injured Mammalian Kidney. Cell Reports, 2015, 12, 1325-1338.	6.4	172
38	Alternatively spliced isoforms of WT1 control podocyte-specific gene expression. Kidney International, 2015, 88, 321-331.	5.2	41
39	Steroidogenic organ development and homeostasis: A WT1-centric view. Molecular and Cellular Endocrinology, 2015, 408, 145-155.	3.2	31
40	Visceral and subcutaneous fat have different origins and evidence supports a mesothelial source. Nature Cell Biology, 2014, 16, 367-375.	10.3	422
41	WT1 controls antagonistic FGF and BMP-pSMAD pathways in early renal progenitors. Nature Communications, 2014, 5, 4444.	12.8	94
42	WT1 Maintains Adrenal-Gonadal Primordium Identity and Marks a Population of AGP-like Progenitors within the Adrenal Gland. Developmental Cell, 2013, 27, 5-18.	7.0	98
43	Conditional Sox9 ablation reduces chondroitin sulfate proteoglycan levels and improves motor function following spinal cord injury. Glia, 2013, 61, 164-177.	4.9	70
44	Testicular Differentiation Occurs in Absence of R-spondin1 and Sox9 in Mouse Sex Reversals. PLoS Genetics, 2012, 8, e1003170.	3.5	71
45	Oncogenicity of the Developmental Transcription Factor Sox9. Cancer Research, 2012, 72, 1301-1315.	0.9	180
46	WNT4 and RSPO1 together are required for cell proliferation in the early mouse gonad. Development (Cambridge), 2012, 139, 4461-4472.	2.5	88
47	Cbx2, a Polycomb Group Gene, Is Required for Sry Gene Expression in Mice. Endocrinology, 2012, 153, 913-924.	2.8	131
48	SOX9 expression increases with malignant potential in tumors from patients with neurofibromatosis 1 and is not correlated to desert hedgehog. Human Pathology, 2011, 42, 434-443.	2.0	10
49	Novel perspectives for investigating congenital anomalies of the kidney and urinary tract (CAKUT). Nephrology Dialysis Transplantation, 2011, 26, 3843-3851.	0.7	78
50	SOX9 controls epithelial branching by activating RET effector genes during kidney development. Human Molecular Genetics, 2011, 20, 1143-1153.	2.9	118
51	COUP-TFI promotes radial migration and proper morphology of callosal projection neurons by repressing Rnd2 expression. Development (Cambridge), 2011, 138, 4685-4697.	2.5	59
52	The podocyte protein nephrin is required for cardiac vessel formation. Human Molecular Genetics, 2011, 20, 2182-2194.	2.9	38
53	A Novel Approach to Selectively Target Neuronal Subpopulations Reveals Genetic Pathways That Regulate Tangential Migration in the Vertebrate Hindbrain. PLoS Genetics, 2011, 7, e1002099.	3.5	6
54	The WTX/AMER1 gene family: evolution, signature and function. BMC Evolutionary Biology, 2010, 10, 280.	3.2	19

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55	Expression patterns of the Wtx/Amer gene family during mouse embryonic development. Developmental Dynamics, 2010, 239, 1867-1878.	1.8	23
56	Cerebrovascular dysfunction and microcirculation rarefaction precede white matter lesions in a mouse genetic model of cerebral ischemic small vessel disease. Journal of Clinical Investigation, 2010, 120, 433-445.	8.2	293
57	A cell-autonomous role for WT1 in regulating Sry in vivo. Human Molecular Genetics, 2009, 18, 3429-3438.	2.9	62
58	The Cerebellin 4 Precursor Gene Is a Direct Target of SRY and SOX9 in Mice1. Biology of Reproduction, 2009, 80, 1178-1188.	2.7	44
59	A novel Wilmsâ€™ tumorÂ1 gene mutation in a child with severe renal dysfunction and persistent renal blastema. Pediatric Nephrology, 2008, 23, 1445-1453.	1.7	7
60	Sox9 is expressed in mouse multipotent retinal progenitor cells and functions in MÃ¼ller Glial cell development. Journal of Comparative Neurology, 2008, 510, 237-250.	1.6	145
61	The Wilms' tumour suppressor WT1 is involved in endothelial cell proliferation and migration: expression in tumour vessels in vivo. Oncogene, 2008, 27, 3662-3672.	5.9	80
62	SOX9 expression is a general marker of basal cell carcinoma and adnexal-related neoplasms. Journal of Cutaneous Pathology, 2008, 35, 373-379.	1.3	82
63	Activation of Â-catenin signaling by Rspo1 controls differentiation of the mammalian ovary. Human Molecular Genetics, 2008, 17, 1264-1277.	2.9	407
64	Early Gonadal Development: Exploring Wt1 and Sox9 Function. Novartis Foundation Symposium, 2008, , 23-34.	1.1	5
65	Renal abnormalities and their developmental origin. Nature Reviews Genetics, 2007, 8, 791-802.	16.3	342
66	Bone Marrow Transplantation Can Attenuate the Progression of Mesangial Sclerosis. Stem Cells, 2006, 24, 406-415.	3.2	22
67	R-spondin1 is essential in sex determination, skin differentiation and malignancy. Nature Genetics, 2006, 38, 1304-1309.	21.4	575
68	An Inducible Mouse Model for PAX2-Dependent Glomerular Disease: Insights into a Complex Pathogenesis. Current Biology, 2006, 16, 793-800.	3.9	39
69	Intermediate filament protein nestin is expressed in developing kidney and heart and might be regulated by the Wilms' tumor suppressor Wt1. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R779-R787.	1.8	74
70	Wt1 is not essential for hematopoiesis in the mouse. Leukemia Research, 2005, 29, 803-812.	0.8	19
71	Sox9 in Testis Determination. Annals of the New York Academy of Sciences, 2005, 1061, 9-17.	3.8	70
72	Sox9 Is Essential for Outer Root Sheath Differentiation and the Formation of the Hair Stem Cell Compartment. Current Biology, 2005, 15, 1340-1351.	3.9	366

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73	A splice variant of the Wilms' tumour suppressorWt1is required for normal development of the olfactory system. Development (Cambridge), 2005, 132, 1327-1336.	2.5	80
74	Coronary vessel development requires activation of the TrkB neurotrophin receptor by the Wilms' tumor transcription factor Wt1. Genes and Development, 2005, 19, 2631-2642.	5.9	142
75	The Transcriptional Control of Trunk Neural Crest Induction, Survival, and Delamination. Developmental Cell, 2005, 8, 179-192.	7.0	360
76	Essential role of Sox9 in the pathway that controls formation of cardiac valves and septa. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6502-6507.	7.1	237
77	The Major Podocyte Protein Nephrin Is Transcriptionally Activated by the Wilmsâ€™ Tumor Suppressor WT1. Journal of the American Society of Nephrology: JASN, 2004, 15, 3044-3051.	6.1	144
78	Functional analysis ofSox8andSox9during sex determination in the mouse. Development (Cambridge), 2004, 131, 1891-1901.	2.5	490
79	The role of Brn4/Pou3f4 and Pax6 in forming the pancreatic glucagon cell identity. Developmental Biology, 2004, 268, 123-134.	2.0	83
80	WT1 and glomerular function. Seminars in Cell and Developmental Biology, 2003, 14, 233-240.	5.0	24
81	The Sox9 transcription factor determines glial fate choice in the developing spinal cord. Genes and Development, 2003, 17, 1677-1689.	5.9	541
82	The complex life of WT1. Journal of Cell Science, 2003, 116, 1653-1658.	2.0	138
83	The transcription factor Sox9 has essential roles in successive steps of the chondrocyte differentiation pathway and is required for expression of Sox5 and Sox6. Genes and Development, 2002, 16, 2813-2828.	5.9	1,511
84	WT1 is a key regulator of podocyte function: reduced expression levels cause crescentic glomerulonephritis and mesangial sclerosis. Human Molecular Genetics, 2002, 11, 651-659.	2.9	241
85	The Wilms' tumor geneWt1is required for normal development of the retina. EMBO Journal, 2002, 21, 1398-1405.	7.8	135
86	Le gÃ¨nesox9induit la formation de testicules chez des souris transgÃ©niques de gÃ©notype XX. Medecine/Sciences, 2002, 18, 149-151.	0.2	1
87	Early gonadal development: exploring Wt1 and Sox9 function. Novartis Foundation Symposium, 2002, 244, 23-31; discussion 31-42, 253-7.	1.1	4
88	Loss of Caveolae, Vascular Dysfunction, and Pulmonary Defects in Caveolin-1 Gene-Disrupted Mice. Science, 2001, 293, 2449-2452.	12.6	1,414
89	Two Splice Variants of the Wilms' Tumor 1 Gene Have Distinct Functions during Sex Determination and Nephron Formation. Cell, 2001, 106, 319-329.	28.9	479
90	Sox9 induces testis development in XX transgenic mice. Nature Genetics, 2001, 28, 216-217.	21.4	619

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91	Aniridia-associated translocations, DNase hypersensitivity, sequence comparison and transgenic analysis redefine the functional domain of PAX6. Human Molecular Genetics, 2001, 10, 2049-2059.	2.9	180
92	Genes essential for early events in gonadal development. Exs, 2001, , 11-24.	1.4	7
93	Cross-talk in kidney development. Current Opinion in Genetics and Development, 2000, 10, 543-549.	3.3	109
94	Requirement of WT1 for Gonad and Adrenal Development: Insights from Transgenic Animals. Endocrine Research, 2000, 26, 1075-1082.	1.2	26
95	Wilms' Tumor Suppressor Gene WT1. Journal of the American Society of Nephrology: JASN, 2000, 11, S106-S115.	6.1	64
96	Genes essential for early events in gonadal development. Cellular and Molecular Life Sciences, 1999, 55, 831.	5.4	45
97	GENE INTERACTIONS IN GONADAL DEVELOPMENT. Annual Review of Physiology, 1999, 61, 417-433.	13.1	101
98	The Wilmsâ€™ tumor suppressor WT1: Approaches to gene function. Kidney International, 1998, 53, 1512-1518.	5.2	38
99	Multiple roles for the Wilmsâ€™ tumour suppressor gene, WT1 in genitourinary development. Molecular and Cellular Endocrinology, 1998, 140, 65-69.	3.2	36
100	YAC transgenic analysis reveals Wilms' Tumour 1 gene activity in the proliferating coelomic epithelium, developing diaphragm and limb. Mechanisms of Development, 1998, 79, 169-184.	1.7	145
101	Deletion of long-range regulatory elements upstream of SOX9 causes campomelic dysplasia. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 10649-10654.	7.1	153
102	The Reticulocalbin Gene Maps to the WAGR Region in Human and to the Small Eye Harwell Deletion in Mouse. Genomics, 1997, 42, 260-267.	2.9	44
103	Pax6 Controls Progenitor Cell Identity and Neuronal Fate in Response to Graded Shh Signaling. Cell, 1997, 90, 169-180.	28.9	939
104	YAC Transfer by Microinjection. , 1996, 54, 293-306.		19
105	Influence of PAX6 Gene Dosage on Development: Overexpression Causes Severe Eye Abnormalities. Cell, 1996, 86, 71-82.	28.9	411
106	A high-resolution integrated physical, cytogenetic, and genetic map of human chromosome 11: distal p13 to proximal p15.1. Genomics, 1995, 25, 447-461.	2.9	58
107	Wilmsâ€™ tumour -a case of disrupted development. Journal of Cell Science, 1994, 1994, 1-5.	2.0	13
108	Germ line transmission of yeast artificial chromosomes in transgenic mice. Reproduction, Fertility and Development, 1994, 6, 577.	0.4	21

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109	A yeast artificial chromosome covering the tyrosinase gene confers copy number-dependent expression in transgenic mice. Nature, 1993, 362, 258-261.	27.8	292
110	A method for the generation of YAC transgenic mice by pronuclear microinjection. Nucleic Acids Research, 1993, 21, 4783-4787.	14.5	139
111	Transgenic mice generated by pronuclear injection of a yeast artificial chromosome. Nucleic Acids Research, 1992, 20, 3073-3077.	14.5	95
112	Deficiency of an enzyme of tyrosine metabolism underlies altered gene expression in newborn liver of lethal albino mice.. Genes and Development, 1992, 6, 1430-1443.	5.9	99
113	Multiple effects on liver-specific gene expression in albino lethal mice caused by deficiency of an enzyme in tyrosine metabolism. Journal of Cell Science, 1992, 1992, 117-122.	2.0	4
114	Chromosome jumping from flanking markers defines the minimal region for alf/hsdr-1 within the albino-deletion complex. Genomics, 1992, 14, 288-297.	2.9	18
115	Physical mapping of the albino-deletion complex in the mouse to localize alf/hsdr-1, a locus required for neonatal survival. Genomics, 1992, 14, 275-287.	2.9	36
116	Molecular mapping of albino deletions associated with early embryonic lethality in the mouse. Genomics, 1991, 9, 162-169.	2.9	36