Sebastian J Arnold

List of Publications by Year
in descending order

48 papers	5,557 citations	172457 29 h-index	214800 47 g-index
56 all docs	56 docs citations	56 times ranked	11640 citing authors

#	Article	IF	Citations
1	Differentiation of Type 1 ILCs from a Common Progenitor to All Helper-like Innate Lymphoid Cell Lineages. Cell, 2014, 157, 340-356.	28.9	939
2	Making a commitment: cell lineage allocation and axis patterning in the early mouse embryo. Nature Reviews Molecular Cell Biology, 2009, 10, 91-103.	37.0	690
3	Autophagy influences glomerular disease susceptibility and maintains podocyte homeostasis in aging mice. Journal of Clinical Investigation, 2010, 120, 1084-1096.	8.2	604
4	Pluripotency factors regulate definitive endoderm specification through eomesodermin. Genes and Development, 2011, 25, 238-250.	5.9	303
5	The T-box transcription factor Eomes/Tbr2 regulates neurogenesis in the cortical subventricular zone. Genes and Development, 2008, 22, 2479-2484.	5.9	289
6	Brachyury is a target gene of the Wnt/Î²-catenin signaling pathway. Mechanisms of Development, 2000, 91, 249-258.	1.7	269
7	Pivotal roles for eomesodermin during axis formation,epithelium-to-mesenchyme transition and endoderm specification in the mouse. Development (Cambridge), 2008, 135, 501-511.	2.5	220
8	The T-box transcription factor Eomesodermin acts upstream of Mesp1 to specify cardiac mesoderm during mouse gastrulation. Nature Cell Biology, 2011, 13, 1084-1091.	10.3	210
9	Cortical and Clonal Contribution of Tbr2 Expressing Progenitors in the Developing Mouse Brain. Cerebral Cortex, 2015, 25, 3290-3302.	2.9	144
10	Dose-dependent Smad1, Smad5 and Smad8 signaling in the early mouse embryo. Developmental Biology, 2006, 296, 104-118.	2.0	139
11	Blimp1 regulates development of the posterior forelimb, caudal pharyngeal arches, heart and sensory vibrissae in mice. Development (Cambridge), 2007, 134, 4335-4345.	2.5	119
12	Direct reprogramming of fibroblasts into renal tubular epithelial cells by defined transcription factors. Nature Cell Biology, 2016, 18, 1269-1280.	10.3	113
13	VACTERL/caudal regression/Currarino syndrome-like malformations in mice with mutation in the proprotein convertasePcsk5. Genes and Development, 2008, 22, 1465-1477.	5.9	110
14	The Transcription Factor T-bet Is Induced by IL-15 and Thymic Agonist Selection and Controls CD8Î±Î±+ Intraepithelial Lymphocyte Development. Immunity, 2014, 41, 230-243.	14.3	107
15	Intermediate Progenitor Cohorts Differentially Generate Cortical Layers and Require Tbr2 for Timely Acquisition of Neuronal Subtype Identity. Cell Reports, 2016, 16, 92-105.	6.4	97
16	Eomes and Brachyury control pluripotency exit and germ-layer segregation by changing the chromatin state. Nature Cell Biology, 2019, 21, 1518-1531.	10.3	81
17	A stochastic framework of neurogenesis underlies the assembly of neocortical cytoarchitecture. ELife, 2019, 8, .	6.0	79
18	Tissue microenvironment dictates the fate and tumor-suppressive function of type 3 ILCs. Journal of Experimental Medicine, 2017, 214, 2331-2347.	8.5	78

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19	Cyclin O (Ccno) functions during deuterosomeâ€mediated centriole amplification of multiciliated cells. EMBO Journal, 2015, 34, 1078-1089.	7.8	72
20	A flexible, multilayered protein scaffold maintains the slit in between glomerular podocytes. JCI Insight, 2016, 1, .	5.0	69
21	Generation and analysis of a mouse line harboring GFP in the Eomes/Tbr2 locus. Genesis, 2009, 47, 775-781.	1.6	63
22	Ablation of hippocampal neurogenesis in mice impairs the response to stress during the dark cycle. Nature Communications, 2015, 6, 8373.	12.8	60
23	Blimp-1/Prdm1 Alternative Promoter Usage during Mouse Development and Plasma Cell Differentiation. Molecular and Cellular Biology, 2009, 29, 5813-5827.	2.3	57
24	MicroRNAs Establish Robustness and Adaptability of a Critical Gene Network to Regulate Progenitor Fate Decisions during Cortical Neurogenesis. Cell Reports, 2014, 7, 1779-1788.	6.4	56
25	Lysine-specific demethylase 1 regulates differentiation onset and migration of trophoblast stem cells. Nature Communications, 2014, 5, 3174.	12.8	55
26	Inversin relays Frizzled-8 signals to promote proximal pronephros development. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20388-20393.	7.1	50
27	Translational derepression of Elavl4Âisoforms at their alternative 5â€² UTRs determines neuronal development. Nature Communications, 2020, 11, 1674.	12.8	40
28	Intermediate progenitors support migration of neural stem cells into dentate gyrus outer neurogenic niches. ELife, 2020, 9, .	6.0	37
29	Eomesodermin Expression in CD4+ T Cells Restricts Peripheral Foxp3 Induction. Journal of Immunology, 2015, 195, 4742-4752.	0.8	36
30	Intermediate Progenitors Facilitate Intracortical Progression of Thalamocortical Axons and Interneurons through CXCL12 Chemokine Signaling. Journal of Neuroscience, 2015, 35, 13053-13063.	3.6	35
31	Lack of Type 2 Innate Lymphoid Cells Promotes a Type I-Driven Enhanced Immune Response in Contact Hypersensitivity. Journal of Investigative Dermatology, 2018, 138, 1962-1972.	0.7	31
32	Generation and characterization of a tamoxifenâ€inducible Eomes^{CreER} mouse line. Genesis, 2013, 51, 725-733.	1.6	30
33	The E2A splice variant E47 regulates the differentiation of projection neurons via p57(KIP2) during cortical development. Development (Cambridge), 2017, 144, 3917-3931.	2.5	28
34	Spatiotemporal sequence of mesoderm and endoderm lineage segregation during mouse gastrulation. Development (Cambridge), 2021, 148, .	2.5	28
35	EOMES and IL-10 regulate antitumor activity of T regulatory type 1 CD4+ T cells in chronic lymphocytic leukemia. Leukemia, 2021, 35, 2311-2324.	7.2	27
36	3D biomimetic platform reveals the first interactions of the embryo and the maternal blood vessels. Developmental Cell, 2021, 56, 3276-3287.e8.	7.0	27

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37	Interleukin-12 bypasses common gamma-chain signalling in emergency natural killer cell lymphopoiesis. Nature Communications, 2016, 7, 13708.	12.8	24
38	Out-of-frame start codons prevent translation of truncated nucleo-cytosolic cathepsin L in vivo. Nature Communications, 2014, 5, 4931.	12.8	18
39	CXCL12â€mediated feedback from granule neurons regulates generation and positioning of new neurons in the dentate gyrus. Glia, 2018, 66, 1566-1576.	4.9	18
40	Engineering kidney cells: reprogramming and directed differentiation to renal tissues. Cell and Tissue Research, 2017, 369, 185-197.	2.9	17
41	Efficient genome editing of differentiated renal epithelial cells. Pflugers Archiv European Journal of Physiology, 2017, 469, 303-311.	2.8	17
42	Biallelic loss of function variants in PPP1R21 cause a neurodevelopmental syndrome with impaired endocytic function. Human Mutation, 2019, 40, 267-280.	2.5	15
43	Single-cell RNA-sequencing identifies the developmental trajectory of C-Myc-dependent NK1.1â^' T-bet+ intraepithelial lymphocyte precursors. Mucosal Immunology, 2020, 13, 257-270.	6.0	11
44	A Resource for the Transcriptional Signature of Bona Fide Trophoblast Stem Cells and Analysis of Their Embryonic Persistence. Stem Cells International, 2015, 2015, 1-13.	2.5	9
45	Reprogramming to pluripotency does not require transition through a primitive streak-like state. Scientific Reports, 2017, 7, 16543.	3.3	7
46	Eomes cannot replace its paralog T-bet during expansion and differentiation of CD8 effector T cells. PLoS Pathogens, 2020, 16, e1008870.	4.7	7
47	A dualâ€fluorescence reporter in the Eomes locus for live imaging and mediumâ€term lineage tracing. Genesis, 2017, 55, e23043.	1.6	6
48	Adult Expression of Tbr2 Is Required for the Maintenance but Not Survival of Intrinsically Photosensitive Retinal Ganglion Cells. Frontiers in Cellular Neuroscience, 2022, 16, 826590.	3.7	2