Xin Sun

List of Publications by Year
in descending order

66	6,947	147801 31	114465 63
papers	citations	h-index	g-index

74	74	74	11809
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SARS-CoV-2 Receptor ACE2 Is an Interferon-Stimulated Gene in Human Airway Epithelial Cells and Is Detected in Specific Cell Subsets across Tissues. Cell, 2020, 181, 1016-1035.e19.	28.9	1,956
2	Functions of FGF signalling from the apical ectodermal ridge in limb development. Nature, 2002, 418, 501-508.	27.8	505
3	Fgf8 signalling from the AER is essential for normal limb development. Nature Genetics, 2000, 26, 460-463.	21.4	403
4	Dicerfunction is essential for lung epithelium morphogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2208-2213.	7.1	382
5	Pulmonary neuroendocrine cells amplify allergic asthma responses. Science, 2018, 360, .	12.6	278
6	Conditional inactivation of Fgf4 reveals complexity of signalling during limb bud development. Nature Genetics, 2000, 25, 83-86.	21.4	263
7	Î²-Catenin promotes respiratory progenitor identity in mouse foregut. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16287-16292.	7.1	201
8	Signaling through BMP receptors promotes respiratory identity in the foregut via repression of Sox2. Development (Cambridge), 2011, 138, 971-981.	2.5	187
9	Pulmonary neuroendocrine cells function as airway sensors to control lung immune response. Science, 2016, 351, 707-710.	12.6	184
10	Roadmap for the Emerging Field of Cancer Neuroscience. Cell, 2020, 181, 219-222.	28.9	182
11	Conditional gene inactivation reveals roles for Fgf10 and Fgfr2 in establishing a normal pattern of epithelial branching in the mouse lung. Developmental Dynamics, 2009, 238, 1999-2013.	1.8	171
12	TET-mediated DNA demethylation controls gastrulation by regulating Leftyâ€“Nodal signalling. Nature, 2016, 538, 528-532.	27.8	163
13	Congenital diaphragmatic hernias: from genes to mechanisms to therapies. DMM Disease Models and Mechanisms, 2017, 10, 955-970.	2.4	143
14	Pdgfra marks a cellular lineage with distinct contributions to myofibroblasts in lung maturation and injury response. ELife, 2018, 7, .	6.0	137
15	Single-cell multiomic profiling of human lungs reveals cell-type-specific and age-dynamic control of SARS-CoV2 host genes. ELife, 2020, 9, .	6.0	129
16	A three-dimensional study of alveologenesis in mouse lung. Developmental Biology, 2016, 409, 429-441.	2.0	123
17	The pulmonary mesenchyme directs lung development. Current Opinion in Genetics and Development, 2015, 32, 98-105.	3.3	111
18	FGF-Regulated ETV Transcription Factors Control FGF-SHH Feedback Loop in Lung Branching. Developmental Cell, 2015, 35, 322-332.	7.0	111

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19	Increased Peripheral Blood Neutrophil Activation Phenotypes and Neutrophil Extracellular Trap Formation in Critically Ill Coronavirus Disease 2019 (COVID-19) Patients: A Case Series and Review of the Literature. Clinical Infectious Diseases, 2022, 74, 479-489.	5.8	87
20	Molecular Determinants of Lung Development. Annals of the American Thoracic Society, 2013, 10, S12-S16.	3.2	73
21	Anatomical structures, cell types and biomarkers of the Human Reference Atlas. Nature Cell Biology, 2021, 23, 1117-1128.	10.3	68
22	A census of the lung: CellCards from LungMAP. Developmental Cell, 2022, 57, 112-145.e2.	7.0	67
23	Establishment of smooth muscle and cartilage juxtaposition in the developing mouse upper airways. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19444-19449.	7.1	65
24	Lats inactivation reveals hippo function in alveolar type I cell differentiation during lung transition to air breathing. Development (Cambridge), 2018, 145, .	2.5	60
25	Age-dependent regulation of SARS-CoV-2 cell entry genes and cell death programs correlates with COVID-19 severity. Science Advances, 2021, 7, .	10.3	49
26	Patterning and plasticity in development of the respiratory lineage. Developmental Dynamics, 2011, 240, 477-485.	1.8	47
27	Consider the lung as a sensory organ: A tip from pulmonary neuroendocrine cells. Current Topics in Developmental Biology, 2019, 132, 67-89.	2.2	47
28	17Î²-estradiol and estrogen receptor Î± protect right ventricular function in pulmonary hypertension via BMPR2 and apelin. Journal of Clinical Investigation, 2021, 131, .	8.2	47
29	Myofibroblast contraction is essential for generating and regenerating the gas-exchange surface. Journal of Clinical Investigation, 2020, 130, 2859-2871.	8.2	45
30	Fibroblast growth factor 9 signaling inhibits airway smooth muscle differentiation in mouse lung. Developmental Dynamics, 2009, 238, 123-137.	1.8	41
31	Smooth Muscle Differentiation Is Essential for Airway Size, Tracheal Cartilage Segmentation, but Dispensable for Epithelial Branching. Developmental Cell, 2020, 53, 73-85.e5.	7.0	41
32	Validation of a nicotine vapor self-administration model in rats with relevance to electronic cigarette use. Neuropsychopharmacology, 2020, 45, 1909-1919.	5.4	40
33	Ontogeny of the mouse vocal fold epithelium. Developmental Biology, 2015, 399, 263-282.	2.0	39
34	The transcription factor Etv5 controls TH17 cell development and allergic airway inflammation. Journal of Allergy and Clinical Immunology, 2014, 134, 204-214.e2.	2.9	37
35	The ETS Family Transcription Factors Etv5 and PU.1 Function in Parallel To Promote Th9 Cell Development. Journal of Immunology, 2016, 197, 2465-2472.	0.8	33
36	A transitional stem cell state in the lung. Nature Cell Biology, 2020, 22, 1025-1026.	10.3	33

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37	FGF receptors control alveolar elastogenesis. Development (Cambridge), 2017, 144, 4563-4572.	2.5	31
38	E3 ubiquitin ligase RFWD2 controls lung branching through protein-level regulation of ETV transcription factors. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7557-7562.	7.1	30
39	Temporal analyses of postnatal liver development and maturation by single-cell transcriptomics. Developmental Cell, 2022, 57, 398-414.e5.	7.0	30
40	Endothelial upregulation of mechanosensitive channel Piezo1 in pulmonary hypertension. American Journal of Physiology - Cell Physiology, 2021, 321, C1010-C1027.	4.6	29
41	Less Is More: Rare Pulmonary Neuroendocrine Cells Function as Critical Sensors in Lung. Developmental Cell, 2020, 55, 123-132.	7.0	27
42	Identification of lung innervating sensory neurons and their target specificity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L50-L63.	2.9	25
43	Rare and de novo variants in 827 congenital diaphragmatic hernia probands implicate LONP1 as candidate risk gene. American Journal of Human Genetics, 2021, 108, 1964-1980.	6.2	22
44	Beta-Catenin signaling is essential for mammalian larynx recanalization and establishment of vocal fold progenitor cells. Development (Cambridge), 2018, 145, .	2.5	17
45	Bioactive injectable polymethylmethacrylate/silicate bioceramic hybrid cements for percutaneous vertebroplasty and kyphoplasty. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 96, 125-135.	3.1	17
46	E3 ubiquitin ligase MDM2 acts through p53 to control respiratory progenitor cell number and lung size. Development (Cambridge), 2019, 146, .	2.5	17
47	Levelâ€specific amputations and resulting regenerative outcomes in the mouse distal phalanx. Wound Repair and Regeneration, 2017, 25, 443-453.	3.0	16
48	The role of FREM2 and FRAS1 in the development of congenital diaphragmatic hernia. Human Molecular Genetics, 2018, 27, 2064-2075.	2.9	16
49	Estrogen receptor-Î± prevents right ventricular diastolic dysfunction and fibrosis in female rats. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H1459-H1473.	3.2	16
50	Excess neuropeptides in lung signal through endothelial cells to impair gas exchange. Developmental Cell, 2022, 57, 839-853.e6.	7.0	14
51	Comparison of Temporal Transcriptomic Profiles from Immature Lungs of Two Rat Strains Reveals a Viral Response Signature Associated with Chronic Lung Dysfunction. PLoS ONE, 2014, 9, e112997.	2.5	11
52	Etv5 Regulates IL-10 Production in Th Cells. Journal of Immunology, 2017, 198, 2165-2171.	0.8	11
53	Mouse model of experimental pulmonary hypertension: Lung angiogram and right heart catheterization. Pulmonary Circulation, 2021, 11, 1-17.	1.7	8
54	Embryology meets molecular biology: Deciphering the apical ectodermal ridge. Developmental Biology, 2017, 429, 387-390.	2.0	7

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55	Halting SARSâ€CoVâ€2: lung organoids step up to the plate. EMBO Journal, 2021, 40, e107651.	7.8	5
56	COVID-19 in Early Life: Infants and Children Are Affected Too. Physiology, 2021, 36, 359-366.	3.1	5
57	E3 ubiquitin ligase FBXW7 balances airway cell fates. Developmental Biology, 2022, 483, 89-97.	2.0	5
58	Crouzon syndrome mouse model exhibits cartilage hyperproliferation and defective segmentation in the developing trachea. Science China Life Sciences, 2019, 62, 1375-1380.	4.9	4
59	A novel 1-D densely connected feature selection convolutional neural network for heart sounds classification. Annals of Translational Medicine, 2021, 9, 1752-1752.	1.7	3
60	Neuroendocrine cells in lung development and disease. , 2021, , 44-55.		2
61	National Heart, Lung, and Blood Institute and Building Respiratory Epithelium and Tissue for Health (BREATH) Consortium Workshop Report: Moving Forward in Lung Regeneration. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 22-29.	2.9	2
62	Eosinophils set DNA traps in allergic asthma. Nature Cell Biology, 2021, 23, 1057-1059.	10.3	2
63	An Ephrin-Eph Tug and Push in Left-Right Organ Placement. Developmental Cell, 2016, 39, 282-283.	7.0	0
64	Wheeze No More: Growing Out of Your Dopaminergic Nerves. Immunity, 2019, 51, 977-979.	14.3	0
65	Genetic Interactions Between FGF and SHH Signaling in the Vertebrate Limb. FASEB Journal, 2007, 21, A199.	0.5	0
66	An Fgf/Gremlin Inhibitory Feedback Loop Triggers Termination of Limb Bud Outgrowth. FASEB Journal, 2009, 23, 176.2.	0.5	0