

Xin Sun

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

6,947
citations

147786
31
h-index

114455
63
g-index

74
all docs

74
docs citations

74
times ranked

11809
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. <i>Cell</i> , 2020, 181, 1016-1035.e19.	28.9	1,956
2	Functions of FGF signalling from the apical ectodermal ridge in limb development. <i>Nature</i> , 2002, 418, 501-508.	27.8	505
3	Fgf8 signalling from the AER is essential for normal limb development. <i>Nature Genetics</i> , 2000, 26, 460-463.	21.4	403
4	Dicerfunction is essential for lung epithelium morphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2208-2213.	7.1	382
5	Pulmonary neuroendocrine cells amplify allergic asthma responses. <i>Science</i> , 2018, 360, .	12.6	278
6	Conditional inactivation of Fgf4 reveals complexity of signalling during limb bud development. <i>Nature Genetics</i> , 2000, 25, 83-86.	21.4	263
7	Î2-Catenin promotes respiratory progenitor identity in mouse foregut. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16287-16292.	7.1	201
8	Signaling through BMP receptors promotes respiratory identity in the foregut via repression of <i>Sox2</i> . <i>Development (Cambridge)</i> , 2011, 138, 971-981.	2.5	187
9	Pulmonary neuroendocrine cells function as airway sensors to control lung immune response. <i>Science</i> , 2016, 351, 707-710.	12.6	184
10	Roadmap for the Emerging Field of Cancer Neuroscience. <i>Cell</i> , 2020, 181, 219-222.	28.9	182
11	Conditional gene inactivation reveals roles for <i>Fgf10</i> and <i>Fgfr2</i> in establishing a normal pattern of epithelial branching in the mouse lung. <i>Developmental Dynamics</i> , 2009, 238, 1999-2013.	1.8	171
12	TET-mediated DNA demethylation controls gastrulation by regulating Leftyâ€Nodal signalling. <i>Nature</i> , 2016, 538, 528-532.	27.8	163
13	Congenital diaphragmatic hernias: from genes to mechanisms to therapies. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 955-970.	2.4	143
14	<i>Pdgfra</i> marks a cellular lineage with distinct contributions to myofibroblasts in lung maturation and injury response. <i>ELife</i> , 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. <i>ELife</i> , 2020, 9, .	6.0	129
16	A three-dimensional study of alveologenesis in mouse lung. <i>Developmental Biology</i> , 2016, 409, 429-441.	2.0	123
17	The pulmonary mesenchyme directs lung development. <i>Current Opinion in Genetics and Development</i> , 2015, 32, 98-105.	3.3	111
18	FGF-Regulated ETV Transcription Factors Control FGF-SHH Feedback Loop in Lung Branching. <i>Developmental Cell</i> , 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. <i>Clinical Infectious Diseases</i> , 2022, 74, 479-489.	5.8	87
20	Molecular Determinants of Lung Development. <i>Annals of the American Thoracic Society</i> , 2013, 10, S12-S16.	3.2	73
21	Anatomical structures, cell types and biomarkers of the Human Reference Atlas. <i>Nature Cell Biology</i> , 2021, 23, 1117-1128.	10.3	68
22	A census of the lung: CellCards from LungMAP. <i>Developmental Cell</i> , 2022, 57, 112-145.e2.	7.0	67
23	Establishment of smooth muscle and cartilage juxtaposition in the developing mouse upper airways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19444-19449.	7.1	65
24	<i>Lats</i> inactivation reveals hippo function in alveolar type I cell differentiation during lung transition to air breathing. <i>Development (Cambridge)</i> , 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. <i>Science Advances</i> , 2021, 7, .	10.3	49
26	Patterning and plasticity in development of the respiratory lineage. <i>Developmental Dynamics</i> , 2011, 240, 477-485.	1.8	47
27	Consider the lung as a sensory organ: A tip from pulmonary neuroendocrine cells. <i>Current Topics in Developmental Biology</i> , 2019, 132, 67-89.	2.2	47
28	17 β -estradiol and estrogen receptor α protect right ventricular function in pulmonary hypertension via BMPR2 and apelin. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	47
29	Myofibroblast contraction is essential for generating and regenerating the gas-exchange surface. <i>Journal of Clinical Investigation</i> , 2020, 130, 2859-2871.	8.2	45
30	Fibroblast growth factor 9 signaling inhibits airway smooth muscle differentiation in mouse lung. <i>Developmental Dynamics</i> , 2009, 238, 123-137.	1.8	41
31	Smooth Muscle Differentiation Is Essential for Airway Size, Tracheal Cartilage Segmentation, but Dispensable for Epithelial Branching. <i>Developmental Cell</i> , 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. <i>Neuropsychopharmacology</i> , 2020, 45, 1909-1919.	5.4	40
33	Ontogeny of the mouse vocal fold epithelium. <i>Developmental Biology</i> , 2015, 399, 263-282.	2.0	39
34	The transcription factor Etv5 controls TH17 cell development and allergic airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 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. <i>Journal of Immunology</i> , 2016, 197, 2465-2472.	0.8	33
36	A transitional stem cell state in the lung. <i>Nature Cell Biology</i> , 2020, 22, 1025-1026.	10.3	33

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37	FGF receptors control alveolar elastogenesis. <i>Development (Cambridge)</i> , 2017, 144, 4563-4572.	2.5	31
38	E3 ubiquitin ligase RFW2 controls lung branching through protein-level regulation of ETV transcription factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7557-7562.	7.1	30
39	Temporal analyses of postnatal liver development and maturation by single-cell transcriptomics. <i>Developmental Cell</i> , 2022, 57, 398-414.e5.	7.0	30
40	Endothelial upregulation of mechanosensitive channel Piezo1 in pulmonary hypertension. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C1010-C1027.	4.6	29
41	Less Is More: Rare Pulmonary Neuroendocrine Cells Function as Critical Sensors in Lung. <i>Developmental Cell</i> , 2020, 55, 123-132.	7.0	27
42	Identification of lung innervating sensory neurons and their target specificity. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 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. <i>American Journal of Human Genetics</i> , 2021, 108, 1964-1980.	6.2	22
44	Beta-Catenin signaling is essential for mammalian larynx recanalization and establishment of vocal fold progenitor cells. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	17
45	Bioactive injectable polymethylmethacrylate/silicate bioceramic hybrid cements for percutaneous vertebroplasty and kyphoplasty. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 96, 125-135.	3.1	17
46	E3 ubiquitin ligase MDM2 acts through p53 to control respiratory progenitor cell number and lung size. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	17
47	Level-specific amputations and resulting regenerative outcomes in the mouse distal phalanx. <i>Wound Repair and Regeneration</i> , 2017, 25, 443-453.	3.0	16
48	The role of FREM2 and FRAS1 in the development of congenital diaphragmatic hernia. <i>Human Molecular Genetics</i> , 2018, 27, 2064-2075.	2.9	16
49	Estrogen receptor- β prevents right ventricular diastolic dysfunction and fibrosis in female rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H1459-H1473.	3.2	16
50	Excess neuropeptides in lung signal through endothelial cells to impair gas exchange. <i>Developmental Cell</i> , 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. <i>PLoS ONE</i> , 2014, 9, e112997.	2.5	11
52	Etv5 Regulates IL-10 Production in Th Cells. <i>Journal of Immunology</i> , 2017, 198, 2165-2171.	0.8	11
53	Mouse model of experimental pulmonary hypertension: Lung angiogram and right heart catheterization. <i>Pulmonary Circulation</i> , 2021, 11, 1-17.	1.7	8
54	Embryology meets molecular biology: Deciphering the apical ectodermal ridge. <i>Developmental Biology</i> , 2017, 429, 387-390.	2.0	7

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55	Halting SARS-CoV-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