Wei Shi

List of Publications by Year
in descending order

60 papers	3,382 citations	147801 31 h-index	144013 57 g-index
61 all docs	61 docs citations	61 times ranked	5421 citing authors

#	Article	IF	Citations
1	Lung Organogenesis. Current Topics in Developmental Biology, 2010, 90, 73-158.	2.2	386
2	Smad3 deficiency attenuates bleomycin-induced pulmonary fibrosis in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 282, L585-L593.	2.9	358
3	Molecular Mechanisms of Early Lung Specification and Branching Morphogenesis. Pediatric Research, 2005, 57, 26R-37R.	2.3	192
4	Genome-wide association study of colorectal cancer identifies six new susceptibility loci. Nature Communications, 2015, 6, 7138.	12.8	138
5	Lung Development and Adult Lung Diseases. Chest, 2007, 132, 651-656.	0.8	133
6	Novel Common Genetic Susceptibility Loci for Colorectal Cancer. Journal of the National Cancer Institute, 2019, 111, 146-157.	6.3	129
7	Stem/Progenitor Cells in Lung Development, Injury Repair, and Regeneration. Proceedings of the American Thoracic Society, 2008, 5, 703-706.	3.5	128
8	Abnormal mouse lung alveolarization caused by Smad3 deficiency is a developmental antecedent of centrilobular emphysema. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 288, L683-L691.	2.9	127
9	Pulmonary Hypoplasia in Mice Lacking Tumor Necrosis Factor-Î± Converting Enzyme Indicates an Indispensable Role for Cell Surface Protein Shedding during Embryonic Lung Branching Morphogenesis. Developmental Biology, 2001, 232, 204-218.	2.0	112
10	Optimising experimental research in respiratory diseases: an ERS statement. European Respiratory Journal, 2018, 51, 1702133.	6.7	98
11	TACE is required for fetal murine cardiac development and modeling. Developmental Biology, 2003, 261, 371-380.	2.0	97
12	Compromised peroxisomes in idiopathic pulmonary fibrosis, a vicious cycle inducing a higher fibrotic response via TGF-Î² signaling. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2048-57.	7.1	86
13	Adoptive Transfer of Induced-Treg Cells Effectively Attenuates Murine Airway Allergic Inflammation. PLoS ONE, 2012, 7, e40314.	2.5	85
14	Gremlin negatively modulates BMP-4 induction of embryonic mouse lung branching morphogenesis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 280, L1030-L1039.	2.9	83
15	Spatial-temporal targeting of lung-specific mesenchyme by a Tbx4enhancer. BMC Biology, 2013, 11, 111.	3.8	74
16	BMP4 Activation and Secretion Are Negatively Regulated by an Intracellular Gremlin-BMP4 Interaction. Journal of Biological Chemistry, 2006, 281, 29349-29356.	3.4	73
17	Smad7 and Smad6 Differentially Modulate Transforming Growth Factor Î²-induced Inhibition of Embryonic Lung Morphogenesis. Journal of Biological Chemistry, 2000, 275, 23992-23997.	3.4	72
18	Development, repair and fibrosis: What is common and why it matters. Respirology, 2009, 14, 656-665.	2.3	70

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19	Lung mesenchymal expression of Sox9plays a critical role in tracheal development. BMC Biology, 2013, 11, 117.	3.8	65
20	Growth factor signaling in lung morphogenetic centers: automaticity, stereotypy and symmetry. Respiratory Research, 2003, 4, 5.	3.6	53
21	TSC2 regulates lysosome biogenesis via a non-canonical RAGC and TFEB-dependent mechanism. Nature Communications, 2021, 12, 4245.	12.8	52
22	Smad1 and its target gene Wif1 coordinate BMP and Wnt signaling activities to regulate fetal lung development. Development (Cambridge), 2011, 138, 925-935.	2.5	50
23	Overexpression of Smurf1 negatively regulates mouse embryonic lung branching morphogenesis by specifically reducing Smad1 and Smad5 proteins. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 286, L293-L300.	2.9	46
24	Prenatal Lung Epithelial Cell-Specific Abrogation of Alk3-Bone Morphogenetic Protein Signaling Causes Neonatal Respiratory Distress by Disrupting Distal Airway Formation. American Journal of Pathology, 2008, 172, 571-582.	3.8	46
25	Lysyl Oxidaseâ€“Like 1 Protein Deficiency Protects Mice from Adenoviral Transforming Growth Factor-Î²1â€“induced Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2018, 58, 461-470.	2.9	44
26	Spatial and temporal changes in extracellular elastin and laminin distribution during lung alveolar development. Scientific Reports, 2018, 8, 8334.	3.3	43
27	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
28	A novel profibrotic mechanism mediated by <scp>TGFÎ²</scp>â€stimulated collagen prolyl hydroxylase expression in fibrotic lung mesenchymal cells. Journal of Pathology, 2015, 236, 384-394.	4.5	40
29	Immunomodulation by mesenchymal stem cells in treating human autoimmune disease-associated lung fibrosis. Stem Cell Research and Therapy, 2016, 7, 63.	5.5	40
30	Multiscale light-sheet for rapid imaging of cardiopulmonary system. JCI Insight, 2018, 3, .	5.0	36
31	A novel function for the protein tyrosine phosphatase Shp2 during lung branching morphogenesis. Developmental Biology, 2005, 282, 422-431.	2.0	33
32	Smad1 expression and function during mouse embryonic lung branching morphogenesis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 288, L1033-L1039.	2.9	27
33	Monocyte and macrophage derived myofibroblasts: Is it fate? A review of the current evidence. Wound Repair and Regeneration, 2021, 29, 548-562.	3.0	27
34	Strain-induced Differentiation of Fetal Type II Epithelial Cells Is Mediated via the Integrin Î±6Î²1-ADAM17/Tumor Necrosis Factor-Î±-converting Enzyme (TACE) Signaling Pathway. Journal of Biological Chemistry, 2013, 288, 25646-25657.	3.4	23
35	Inactivation of Tsc2 in Mesoderm-Derived Cells Causes Polycystic Kidney Lesions and Impairs Lung Alveolarization. American Journal of Pathology, 2016, 186, 3261-3272.	3.8	21
36	TGF-Î²3-null mutation does not abrogate fetal lung maturation in vivo by glucocorticoids. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 277, L1205-L1213.	2.9	20

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37	Loss of FLCN inhibits canonical WNT signaling via TFE3. Human Molecular Genetics, 2019, 28, 3270-3281.	2.9	20
38	Deficient Alk3-mediated BMP signaling causes prenatal omphalocele-like defect. Biochemical and Biophysical Research Communications, 2007, 360, 238-243.	2.1	19
39	Mesenchymal adenomatous polyposis coli plays critical and diverse roles in regulating lung development. BMC Biology, 2015, 13, 42.	3.8	17
40	Gremlin Promotes Peritoneal Membrane Injury in an Experimental Mouse Model and Is Associated with Increased Solute Transport in Peritoneal Dialysis Patients. American Journal of Pathology, 2014, 184, 2976-2984.	3.8	16
41	Mesenchyme-specific deletion of Tgf-Î²1 in the embryonic lung disrupts branching morphogenesis and induces lung hypoplasia. Laboratory Investigation, 2019, 99, 1363-1375.	3.7	16
42	Increased alveolar soluble annexin V promotes lung inflammation and fibrosis. European Respiratory Journal, 2015, 46, 1417-1429.	6.7	15
43	BMP signaling is essential in neonatal surfactant production during respiratory adaptation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L29-L38.	2.9	13
44	Interleukin-6 mediates PSAT1 expression and serine metabolism in TSC2-deficient cells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	13
45	Cartilage rings contribute to the proper embryonic tracheal epithelial differentiation, metabolism, and expression of inflammatory genes. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L196-L207.	2.9	12
46	Mesenchymal folliculin is required for alveolar development: implications for cystic lung disease in Birt-Hogg-DubÃ© syndrome. Thorax, 2020, 75, 486-493.	5.6	12
47	Pediatric Acute Respiratory Distress Syndrome: Fibrosis versus Repair. Frontiers in Pediatrics, 2016, 4, 28.	1.9	11
48	Alteration of cystic airway mesenchyme in congenital pulmonary airway malformation. Scientific Reports, 2019, 9, 5296.	3.3	11
49	Rho/ROCK-MYOCD in regulating airway smooth muscle growth and remodeling. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L1-L5.	2.9	11
50	New Developments in the Pathogenesis of Pulmonary Cysts in Birtâ€“Hoggâ€“DubÃ© Syndrome. Seminars in Respiratory and Critical Care Medicine, 2020, 41, 247-255.	2.1	10
51	TACE in perinatal mouse lung epithelial cells promotes lung saccular formation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 305, L953-L963.	2.9	9
52	Abrogation of mesenchyme-specific TGF-Î² signaling results in lung malformation with prenatal pulmonary cysts in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L1158-L1168.	2.9	9
53	Inactivation of Tsc2 in Abcg2 lineage-derived cells drives the appearance of polycystic lesions and fibrosis in the adult kidney. American Journal of Physiology - Renal Physiology, 2019, 317, F1201-F1210.	2.7	4
54	Exploration of identifying novel serum biomarkers for malignant mesothelioma using iTRAQ combined with 2D-LC-MS/MS. Environmental Research, 2021, 193, 110467.	7.5	4

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55	Seventh BHD international symposium: recent scientific and clinical advancement. Oncotarget, 2022, 13, 173-181.	1.8	4
56	Histopathologic features of alveolar capillary dysplasia with misalignment of pulmonary veins with atypical clinical presentation. Cardiovascular Pathology, 2021, 50, 107289.	1.6	3
57	Genome-wide profiling reveals novel microRNAs in hand-spinning-specific chrysotile exposure. Epigenomics, 2019, 11, 511-525.	2.1	2
58	Mononuclear phagocytic system and fibrosis: back to the future?. European Respiratory Journal, 2021, 57, 2004466.	6.7	2
59	Lung Mesenchymal Stem Cells. , 2015, , 331-336.		1
60	The Origin of Stem Cells in Developmental Lungs. , 2018, , .		0