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List of Publications by Year
in descending order

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63 papers	2,449 citations	218381 26 h-index	214527 47 g-index
67 all docs	67 docs citations	67 times ranked	3612 citing authors

#	Article	IF	Citations
1	Point mutation I634A in the glucocorticoid receptor causes embryonic lethality by reduced ligand binding. Journal of Biological Chemistry, 2022, 298, 101574.	1.6	6
2	3D Lung-on-Chip Model Based on Biomimetically Microcurved Culture Membranes. ACS Biomaterials Science and Engineering, 2022, 8, 2684-2699.	2.6	27
3	Identification of SOX2 Interacting Proteins in the Developing Mouse Lung With Potential Implications for Congenital Diaphragmatic Hernia. Frontiers in Pediatrics, 2022, 10, .	0.9	1
4	Epigenetic reactivation of transcriptional programs orchestrating fetal lung development in human pulmonary hypertension. Science Translational Medicine, 2022, 14, .	5.8	15
5	Fast detection of FOXF1 variants in patients with alveolar capillary dysplasia with misalignment of pulmonary veins using targeted sequencing. Pediatric Research, 2021, 89, 518-525.	1.1	4
6	Development of an In Vitro Airway Epithelialâ€“Endothelial Cell Culture Model on a Flexible Porous Poly(Trimethylene Carbonate) Membrane Based on Calu-3 Airway Epithelial Cells and Lung Microvascular Endothelial Cells. Membranes, 2021, 11, 197.	1.4	13
7	Opposing Effects of TGFÎ² and BMP in the Pulmonary Vasculature in Congenital Diaphragmatic Hernia. Frontiers in Medicine, 2021, 8, 642577.	1.2	3
8	SOX21 modulates SOX2-initiated differentiation of epithelial cells in the extrapulmonary airways. ELife, 2021, 10, .	2.8	12
9	Disease modeling following organoid-based expansion of airway epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L775-L786.	1.3	19
10	ERS International Congress 2020: highlights from the Paediatric Assembly. ERJ Open Research, 2021, 7, 00893-2020.	1.1	2
11	SARS-CoV-2 entry into human airway organoids is serine protease-mediated and facilitated by the multibasic cleavage site. ELife, 2021, 10, .	2.8	115
12	Heritability and De Novo Mutations in Oesophageal Atresia and Tracheoesophageal Fistula Aetiology. Genes, 2021, 12, 1595.	1.0	3
13	Cellular Origin(s) of Congenital Diaphragmatic Hernia. Frontiers in Pediatrics, 2021, 9, 804496.	0.9	9
14	Development of Porous and Flexible PTMC Membranes for In Vitro Organ Models Fabricated by Evaporation-Induced Phase Separation. Membranes, 2020, 10, 330.	1.4	12
15	Early origins of lung disease: towards an interdisciplinary approach. European Respiratory Review, 2020, 29, 200191.	3.0	21
16	Generation of three iPSC lines from two patients with heterozygous FOXF1 mutations associated to Alveolar Capillary Dysplasia with Misalignment of the Pulmonary Veins. Stem Cell Research, 2020, 44, 101745.	0.3	2
17	In vitro modelling of alveolar repair at the air-liquid interface using alveolar epithelial cells derived from human induced pluripotent stem cells. Scientific Reports, 2020, 10, 5499.	1.6	35
18	Disease modelling following organoid-based expansion of airway epithelial cells. , 2020, , .		1

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19	Histological, immunohistochemical and transcriptomic characterization of human tracheoesophageal fistulas. PLoS ONE, 2020, 15, e0242167.	1.1	10
20	Inhibition of retinoic acid signaling induces aberrant pericyte coverage and differentiation resulting in vascular defects in congenital diaphragmatic hernia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L317-L331.	1.3	16
21	Impact of Fgf10 deficiency on pulmonary vasculature formation in a mouse model of bronchopulmonary dysplasia. Human Molecular Genetics, 2019, 28, 1429-1444.	1.4	28
22	Congenital pulmonary airway malformation: advances and controversies. The Lancet Child and Adolescent Health, 2018, 2, 290-297.	2.7	47
23	Pulmonary vascular development in congenital diaphragmatic hernia. European Respiratory Review, 2018, 27, 170104.	3.0	28
24	Generation of a biotinylatable Sox2 mouse model to identify Sox2 complexes in vivo. Transgenic Research, 2018, 27, 75-85.	1.3	6
25	Key paediatric messages from the 2017 European Respiratory Society International Congress. ERJ Open Research, 2018, 4, 00165-2017.	1.1	1
26	Endothelial loss of Fzd5 stimulates PKC/Ets1-mediated transcription of Angpt2 and Flt1. Angiogenesis, 2018, 21, 805-821.	3.7	12
27	Hypoxia inducible factor 2Î± (HIF2Î±/EPAS1) is associated with development of pulmonary hypertension in severe congenital diaphragmatic hernia patients. Pulmonary Circulation, 2018, 8, 1-4.	0.8	5
28	Treatment of rat congenital diaphragmatic hernia with sildenafil and NS-304, selexipagâ€™s active compound, at the pseudoglandular stage improves lung vasculature. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L276-L285.	1.3	22
29	A novel method for expansion and differentiation of mouse tracheal epithelial cells in culture. Scientific Reports, 2018, 8, 7349.	1.6	45
30	Alveolar capillary dysplasia with misalignment of the pulmonary veins: clinical, histological, and genetic aspects. Pulmonary Circulation, 2018, 8, 1-8.	0.8	36
31	The Future of Bronchopulmonary Dysplasia: Emerging Pathophysiological Concepts and Potential New Avenues of Treatment. Frontiers in Medicine, 2017, 4, 61.	1.2	79
32	Changes in vasoactive pathways in congenital diaphragmatic hernia associated pulmonary hypertension explain unresponsiveness to pharmacotherapy. Respiratory Research, 2017, 18, 187.	1.4	24
33	Clinically relevant timing of antenatal sildenafil treatment reduces pulmonary vascular remodeling in congenital diaphragmatic hernia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L734-L742.	1.3	32
34	Regeneration of the lung: Lung stem cells and the development of lung mimicking devices. Respiratory Research, 2016, 17, 44.	1.4	86
35	Unique Tracheal Fluid MicroRNA Signature Predicts Response to FETO in Patients With Congenital Diaphragmatic Hernia. Annals of Surgery, 2015, 262, 1130-1140.	2.1	57
36	Metabolic disturbances of the vitamin A pathway in human diaphragmatic hernia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L147-L157.	1.3	31

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37	Aberrant SOX2 expression in colorectal cancers does not correlate with mucinous differentiation and gastric mucin MUC5AC expression. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2014, 465, 395-400.	1.4	4
38	Sox2 Regulates the Emergence of Lung Basal Cells by Directly Activating the Transcription of Trp63. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 311-322.	1.4	49
39	Clinical and etiological heterogeneity in patients with tracheo-esophageal malformations and associated anomalies. European Journal of Medical Genetics, 2014, 57, 440-452.	0.7	65
40	Pulmonary vascular development goes awry in congenital lung abnormalities. Birth Defects Research Part C: Embryo Today Reviews, 2014, 102, 343-358.	3.6	52
41	Extracellular Matrix Defects in Aneurysmal Fibulin-4 Mice Predispose to Lung Emphysema. PLoS ONE, 2014, 9, e106054.	1.1	17
42	Differentiated Type II Pneumocytes Can Be Reprogrammed by Ectopic Sox2 Expression. PLoS ONE, 2014, 9, e107248.	1.1	13
43	Disturbed balance between SOX2 and CDX2 in human vitelline duct anomalies and intestinal duplications. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2013, 462, 515-522.	1.4	10
44	Premature differentiation of vascular smooth muscle cells in human congenital diaphragmatic hernia. Experimental and Molecular Pathology, 2013, 94, 195-202.	0.9	43
45	Ectopic Expression of Activated Notch or SOX2 Reveals Similar and Unique Roles in the Development of the Sensory Cell Progenitors in the Mammalian Inner Ear. Journal of Neuroscience, 2013, 33, 16146-16157.	1.7	94
46	Hypoxia Inducible Factor 3Î± Plays a Critical Role in Alveolarization and Distal Epithelial Cell Differentiation during Mouse Lung Development. PLoS ONE, 2013, 8, e57695.	1.1	25
47	SOX2 redirects the developmental fate of the intestinal epithelium toward a premature gastric phenotype. Journal of Molecular Cell Biology, 2012, 4, 377-385.	1.5	50
48	Hypoxia-Inducible Factor 2Î± Plays a Critical Role in the Formation of Alveoli and Surfactant. American Journal of Respiratory Cell and Molecular Biology, 2012, 46, 224-232.	1.4	32
49	Reversal of pulmonary vascular remodeling in pulmonary hypertensive rats. Experimental and Molecular Pathology, 2012, 93, 66-73.	0.9	19
50	Sox2 cooperates with Chd7 to regulate genes that are mutated in human syndromes. Nature Genetics, 2011, 43, 607-611.	9.4	230
51	Expression of Hypoxia-Inducible Factors, Regulators, and Target Genes in Congenital Diaphragmatic Hernia Patients. Pediatric and Developmental Pathology, 2011, 14, 384-390.	0.5	18
52	Vascular abnormalities in human newborns with pulmonary hypertension. Expert Review of Respiratory Medicine, 2011, 5, 245-256.	1.0	25
53	Effect of Oxygen on the Expression of Hypoxia-Inducible Factors in Human Fetal Lung Explants. Neonatology, 2010, 97, 346-354.	0.9	12
54	Congenital lung lesionsâ€"underlying molecular mechanisms. Seminars in Pediatric Surgery, 2010, 19, 171-179.	0.5	101

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55	Exportin 4 mediates a novel nuclear import pathway for Sox family transcription factors. Journal of Cell Biology, 2009, 185, 27-34.	2.3	73
56	Generation of a tightly regulated doxycyclineâ€inducible model for studying mouse intestinal biology. Genesis, 2009, 47, 7-13.	0.8	19
57	Sox2 is important for two crucial processes in lung development: Branching morphogenesis and epithelial cell differentiation. Developmental Biology, 2008, 317, 296-309.	0.9	236
58	Expression of Hypoxia-Inducible Factors in Normal Human Lung Development. Pediatric and Developmental Pathology, 2008, 11, 193-199.	0.5	44
59	Linking animal models to human congenital diaphragmatic hernia. Birth Defects Research Part A: Clinical and Molecular Teratology, 2007, 79, 565-572.	1.6	58
60	Ghrelin Expression in Human and Rat Fetal Lungs and the Effect of Ghrelin Administration in Nitrofen-Induced Congenital Diaphragmatic Hernia. Pediatric Research, 2006, 59, 531-537.	1.1	44
61	Fetal Lung and Diaphragm Development in Congenital Diaphragmatic Hernia. Seminars in Perinatology, 2005, 29, 86-93.	1.1	92
62	Distal angiogenesis: a new concept for lung vascular morphogenesis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 288, L141-L149.	1.3	121
63	Expression of Angiogenesis-Related Factors in Lungs of Patients with Congenital Diaphragmatic Hernia and Pulmonary Hypoplasia of Other Causes. Pediatric and Developmental Pathology, 2004, 7, 468-477.	0.5	35