Rory E Morty

List of Publications by Year in Descending Order

84 papers	2,852 citations	34 h-index	51 g-index
114 ext. papers	3,550 ext. citations	6.1 avg, IF	5.53 L-index

#	Paper	IF	Citations
84	A comparison of airway pressures for inflation fixation of developing mouse lungs for stereological analyses. *Histochemistry and Cell Biology*, **2021**, 155, 203-214	2.4	2
83	Hypercapnia Induces Inositol-Requiring Enzyme 1–Driven Endoplasmic Reticulum-associated Degradation of the Na,K-ATPase –Subunit. *American Journal of Respiratory Cell and Molecular Biology*, **2021**, 65, 615-629	5.7	2
82	Capillary Changes Precede Disordered Alveolarization in a Mouse Model of Bronchopulmonary Dysplasia. *American Journal of Respiratory Cell and Molecular Biology*, **2021**, 65, 81-91	5.7	6
81	TRAF2 Is a Novel Ubiquitin E3 Ligase for the Na,K-ATPase –Subunit That Drives Alveolar Epithelial Dysfunction in Hypercapnia. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 689983	5.7	1
80	Immunoglobulin deficiency as an indicator of disease severity in patients with COVID-19. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2021**, 320, L590-L599	5.8	5
79	Severe organising pneumonia following COVID-19. *Thorax*, **2021**, 76, 201-204	7.3	31
78	The HS-generating enzyme 3-mercaptopyruvate sulfurtransferase regulates pulmonary vascular smooth muscle cell migration and proliferation but does not impact normal or aberrant lung development. *Nitric Oxide - Biology and Chemistry*, **2021**, 107, 31-45	5	3
77	MSC Based Therapies to Prevent or Treat BPD-A Narrative Review on Advances and Ongoing Challenges. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
76	Using Experimental Models to Identify Pathogenic Pathways and Putative Disease Management Targets in Bronchopulmonary Dysplasia. *Neonatology*, **2020**, 117, 233-239	4	10
75	MSC Based Therapies-New Perspectives for the Injured Lung. *Journal of Clinical Medicine*, **2020**, 9,	5.1	74
74	Hypercapnia Impairs Na,K-ATPase Function by Inducing Endoplasmic Reticulum Retention of the –Subunit of the Enzyme in Alveolar Epithelial Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	9
73	Multilineage murine stem cells generate complex organoids to model distal lung development and disease. *EMBO Journal*, **2020**, 39, e103476	13	17
72	Extracorporeal Carbon Dioxide Removal Using a Renal Replacement Therapy Platform to Enhance Lung-Protective Ventilation in Hypercapnic Patients With Coronavirus Disease 2019-Associated Acute Respiratory Distress Syndrome. *Frontiers in Medicine*, **2020**, 7, 598379	4.9	9
71	Minoxidil Cannot Be Used To Target Lysyl Hydroxylases during Postnatal Mouse Lung Development: A Cautionary Note. *Journal of Pharmacology and Experimental Therapeutics*, **2020**, 375, 478-487	4.7	0
70	Impact of litter size on survival, growth and lung alveolarization of newborn mouse pups. *Annals of Anatomy*, **2020**, 232, 151579	2.9	1
69	Commercially available transfection reagents and negative control siRNA are not inert. *Analytical Biochemistry*, **2020**, 606, 113828	3.1	0
68	Early origins of lung disease: towards an interdisciplinary approach. *European Respiratory Review*, **2020**, 29,	9.8	3

67	Elevated FiO increases SARS-CoV-2 co-receptor expression in respiratory tract epithelium. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2020**, 319, L670-L674	5.8	7
66	Estimation of absolute number of alveolar epithelial type 2 cells in mouse lungs: a comparison between stereology and flow cytometry. *Journal of Microscopy*, **2019**, 275, 36-50	1.9	9
65	A critical role for miR-142 in alveolar epithelial lineage formation in mouse lung development. *Cellular and Molecular Life Sciences*, **2019**, 76, 2817-2832	10.3	4
64	Mouse genetic background impacts susceptibility to hyperoxia-driven perturbations to lung maturation. *Pediatric Pulmonology*, **2019**, 54, 1060-1077	3.5	15
63	Targeting miR-34a/ interactions partially corrects alveologenesis in experimental bronchopulmonary dysplasia. *EMBO Molecular Medicine*, **2019**, 11,	12	27
62	Recent advances in our understanding of the mechanisms of lung alveolarization and bronchopulmonary dysplasia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2019**, 317, L832-L887	5.8	53
61	The Tcf21 lineage constitutes the lung lipofibroblast population. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2019**, 316, L872-L885	5.8	26
60	Impact of Fgf10 deficiency on pulmonary vasculature formation in a mouse model of bronchopulmonary dysplasia. *Human Molecular Genetics*, **2019**, 28, 1429-1444	5.6	13
59	Control Interventions Can Impact Alveolarization and the Transcriptome in Developing Mouse Lungs. *Anatomical Record*, **2019**, 302, 346-363	2.1	5
58	Resident alveolar macrophages are master regulators of arrested alveolarization in experimental bronchopulmonary dysplasia. *Journal of Pathology*, **2018**, 245, 153-159	9.4	35
57	Stereological analysis of individual lung lobes during normal and aberrant mouse lung alveolarisation. *Journal of Anatomy*, **2018**, 232, 472-484	2.9	7
56	Transmission of microRNA antimiRs to mouse offspring via the maternal-placental-fetal unit. *Rna*, **2018**, 24, 865-879	5.8	4
55	Activation of the NF-Ƀ pathway alters the phenotype of MSCs in the tracheal aspirates of preterm infants with severe BPD. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2018**, 315, L87-L101	5.8	15
54	Understanding alveolarization to induce lung regeneration. *Respiratory Research*, **2018**, 19, 148	7.3	20
53	Antibiotic therapy-induced collateral damage: IgA takes center stage in pulmonary host defense. *Journal of Clinical Investigation*, **2018**, 128, 3234-3236	15.9	5
52	Recent advances in the pathogenesis of BPD. *Seminars in Perinatology*, **2018**, 42, 404-412	3.3	42
51	Targeting transglutaminase 2 partially restores extracellular matrix structure but not alveolar architecture in experimental bronchopulmonary dysplasia. *FEBS Journal*, **2018**, 285, 3056-3076	5.7	9
50	The Potentials and Caveats of Mesenchymal Stromal Cell-Based Therapies in the Preterm Infant. *Stem Cells International*, **2018**, 2018, 9652897	5	20

49	Caffeine administration modulates TGF-β signaling but does not attenuate blunted alveolarization in a hyperoxia-based mouse model of bronchopulmonary dysplasia. *Pediatric Research*, **2017**, 81, 795-805	3.2	25
48	Stereological monitoring of mouse lung alveolarization from the early postnatal period to adulthood. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2017**, 312, L882-L895	5.8	44
47	Origin and characterization of alpha smooth muscle actin-positive cells during murine lung development. *Stem Cells*, **2017**, 35, 1566-1578	5.8	37
46	Looking ahead: where to next for animal models of bronchopulmonary dysplasia?. *Cell and Tissue Research*, **2017**, 367, 457-468	4.2	63
45	Can We Understand the Pathobiology of Bronchopulmonary Dysplasia?. *Journal of Pediatrics*, **2017**, 190, 27-37	3.6	23
44	Recent advances in our understanding of the mechanisms of late lung development and bronchopulmonary dysplasia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2017**, 313, L1101-L1153	5.8	81
43	A novel mouse Cre-driver line targeting Perilipin 2-expressing cells in the neonatal lung. *Genesis*, **2017**, 55, e23080	1.9	12
42	TGF-β inhibits alveolar protein transport by promoting shedding, regulated intramembrane proteolysis, and transcriptional downregulation of megalin. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2017**, 313, L807-L824	5.8	6
41	Perturbations to lysyl oxidase expression broadly influence the transcriptome of lung fibroblasts. *Physiological Genomics*, **2017**, 49, 416-429	3.6	23
40	Restoration of Megalin-Mediated Clearance of Alveolar Protein as a Novel Therapeutic Approach for Acute Lung Injury. *American Journal of Respiratory Cell and Molecular Biology*, **2017**, 57, 589-602	5.7	8
39	Tamoxifen dosing for Cre-mediated recombination in experimental bronchopulmonary dysplasia. *Transgenic Research*, **2017**, 26, 165-170	3.3	8
38	Two-Way Conversion between Lipogenic and Myogenic Fibroblastic Phenotypes Marks the Progression and Resolution of Lung Fibrosis. *Cell Stem Cell*, **2017**, 20, 261-273.e3	18	118
37	Fgf10 deficiency is causative for lethality in a mouse model of bronchopulmonary dysplasia. *Journal of Pathology*, **2017**, 241, 91-103	9.4	41
36	Hypercapnia Impairs ENaC Cell Surface Stability by Promoting Phosphorylation, Polyubiquitination and Endocytosis of βENaC in a Human Alveolar Epithelial Cell Line. *Frontiers in Immunology*, **2017**, 8, 591	8.4	18
35	Standardisation of oxygen exposure in the development of mouse models for bronchopulmonary dysplasia. *DMM Disease Models and Mechanisms*, **2017**, 10, 185-196	4.1	62
34	N-3 vs. n-6 fatty acids differentially influence calcium signalling and adhesion of inflammatory activated monocytes: impact of lipid rafts. *Inflammation Research*, **2016**, 65, 881-894	7.2	12
33	MicroRNA in late lung development and bronchopulmonary dysplasia: the need to demonstrate causality. *Molecular and Cellular Pediatrics*, **2016**, 3, 19	3.3	33
32	FXYD1 negatively regulates Na(+)/K(+)-ATPase activity in lung alveolar epithelial cells. *Respiratory Physiology and Neurobiology*, **2016**, 220, 54-61	2.8	14

31	Influenza Virus Infects Epithelial Stem/Progenitor Cells of the Distal Lung: Impact on Fgfr2b-Driven Epithelial Repair. *PLoS Pathogens*, **2016**, 12, e1005544	7.6	72
30	Searching for better animal models of BPD: a perspective. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2016**, 311, L924-L927	5.8	37
29	The pluralization of septum. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2016**, 311, L686	5.8	2
28	Collagen and elastin cross-linking is altered during aberrant late lung development associated with hyperoxia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2015**, 308, L1145-58	5.8	47
27	The Extracellular Matrix in Bronchopulmonary Dysplasia: Target and Source. *Frontiers in Medicine*, **2015**, 2, 91	4.9	49
26	The H2S-generating enzymes cystathionine β-synthase and cystathionine γ-lyase play a role in vascular development during normal lung alveolarization. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2015**, 309, L710-24	5.8	38
25	Characterization of the platelet-derived growth factor receptor-β-positive cell lineage during murine late lung development. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2015**, 309, L942-58	5.8	53
24	Recent advances in the mechanisms of lung alveolarization and the pathogenesis of bronchopulmonary dysplasia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2015**, 309, L1239-72	5.8	98
23	Divergent fibroblast growth factor signaling pathways in lung fibroblast subsets: where do we go from here?. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2015**, 309, L751-5	5.8	17
22	Deregulation of the lysyl hydroxylase matrix cross-linking system in experimental and clinical bronchopulmonary dysplasia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2014**, 306, L246-59	5.8	37
21	Glucocorticoids recruit Tgfbr3 and Smad1 to shift transforming growth factor-β signaling from the Tgfbr1/Smad2/3 axis to the Acvrl1/Smad1 axis in lung fibroblasts. *Journal of Biological Chemistry*, **2014**, 289, 3262-75	5.4	37
20	Transglutaminase 2: a new player in bronchopulmonary dysplasia?. *European Respiratory Journal*, **2014**, 44, 109-21	13.6	18
19	TRPV4: an exciting new target to promote alveolocapillary barrier function. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2014**, 307, L817-21	5.8	50
18	Systemic hydrogen sulfide administration partially restores normal alveolarization in an experimental animal model of bronchopulmonary dysplasia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2014**, 306, L684-97	5.8	44
17	Lysyl oxidases play a causal role in vascular remodeling in clinical and experimental pulmonary arterial hypertension. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 1446-58	9.4	74
16	TGF-β directs trafficking of the epithelial sodium channel ENaC which has implications for ion and fluid transport in acute lung injury. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E374-83	11.5	87
15	Update in pediatric lung disease 2012. *American Journal of Respiratory and Critical Care Medicine*, **2013**, 188, 293-7	10.2	3
14	Efficient gene delivery to primary alveolar epithelial cells by nucleofection. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2013**, 305, L786-94	5.8	10

13	Recent advances in late lung development and the pathogenesis of bronchopulmonary dysplasia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2013**, 305, L893-905	5.8	117
12	Influence of Early Growth Response 1 (Egr1) and Tenascin C (Tnc) on compensatory lung growth. *FASEB Journal*, **2013**, 27, 723.1	0.9	
11	Megalin mediates transepithelial albumin clearance from the alveolar space of intact rabbit lungs. *Journal of Physiology*, **2012**, 590, 5167-81	3.9	21
10	Nitric oxide inhibits highly selective sodium channels and the Na+/K+-ATPase in H441 cells. *American Journal of Respiratory Cell and Molecular Biology*, **2011**, 44, 53-65	5.7	30
9	Lysyl oxidase activity is dysregulated during impaired alveolarization of mouse and human lungs. *American Journal of Respiratory and Critical Care Medicine*, **2009**, 180, 1239-52	10.2	64
8	Carbon monoxide rapidly impairs alveolar fluid clearance by inhibiting epithelial sodium channels. *American Journal of Respiratory Cell and Molecular Biology*, **2009**, 41, 639-50	5.7	57
7	Transforming growth factor-beta signaling across ages: from distorted lung development to chronic obstructive pulmonary disease. *Proceedings of the American Thoracic Society*, **2009**, 6, 607-13		89
6	TGF-beta signaling is dynamically regulated during the alveolarization of rodent and human lungs. *Developmental Dynamics*, **2008**, 237, 259-69	2.9	76
5	Dysregulated bone morphogenetic protein signaling in monocrotaline-induced pulmonary arterial hypertension. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2007**, 27, 1072-8	9.4	115
4	Temporal and spatial regulation of bone morphogenetic protein signaling in late lung development. *Developmental Dynamics*, **2007**, 236, 2825-35	2.9	29
3	Transforming growth factor beta/bone morphogenic protein signaling in pulmonary arterial hypertension: remodeling revisited. *Trends in Cardiovascular Medicine*, **2007**, 17, 263-9	6.9	40
2	Alveolar fluid clearance in acute lung injury: what have we learned from animal models and clinical studies?. *Intensive Care Medicine*, **2007**, 33, 1229-1240	14.5	48
1	Hyperoxia modulates TGF-beta/BMP signaling in a mouse model of bronchopulmonary dysplasia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2007**, 292, L537-49	5.8	184