Jessie Huang

List of Publications by Year in descending order

24 papers	1,565 citations	623188 14 h-index	610482 24 g-index
33 all docs	33 docs citations	33 times ranked	3160 citing authors

#	Article	IF	Citations
1	Human airway lineages derived from pluripotent stem cells reveal the epithelial responses to SARS-CoV-2 infection. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L462-L478.	1.3	17
2	Recombinant Lloviu virus as a tool to study viral replication and host responses. PLoS Pathogens, 2022, 18, e1010268.	2.1	11
3	Air-liquid interface culture promotes maturation and allows environmental exposure of pluripotent stem cellâ€“derived alveolar epithelium. JCI Insight, 2022, 7, .	2.3	17
4	Generating 3D Spheres and 2D Air-Liquid Interface Cultures of Human Induced Pluripotent Stem Cell-Derived Type 2 Alveolar Epithelial Cells. Journal of Visualized Experiments, 2022, , .	0.2	1
5	CRISPR interference interrogation of COPD GWAS genes reveals the functional significance of desmoplakin in iPSC-derived alveolar epithelial cells. Science Advances, 2022, 8, .	4.7	6
6	Induced pluripotent stem cells for generating lung alveolar epithelial cells and modelling respiratory disease. , 2021, , 205-221.		2
7	SARS-CoV-2 induces double-stranded RNA-mediated innate immune responses in respiratory epithelial-derived cells and cardiomyocytes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	159
8	Morphological cell profiling of SARS-CoV-2 infection identifies drug repurposing candidates for COVID-19. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	124
9	Heterogeneity in Human Induced Pluripotent Stem Cellâ€“derived Alveolar Epithelial Type II Cells Revealed with ABCA3/SFTPC Reporters. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 442-460.	1.4	19
10	Organoids Model Transcriptional Hallmarks of Oncogenic KRAS Activation in Lung Epithelial Progenitor Cells. Cell Stem Cell, 2020, 27, 663-678.e8.	5.2	86
11	Actionable Cytopathogenic Host Responses of Human Alveolar Type 2 Cells to SARS-CoV-2. Molecular Cell, 2020, 80, 1104-1122.e9.	4.5	94
12	The odorant receptor OR2W3 on airway smooth muscle evokes bronchodilation via a cooperative chemosensory tradeoff between TMEM16A and CFTR. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28485-28495.	3.3	11
13	SARS-CoV-2 Infection of Pluripotent Stem Cell-Derived Human Lung Alveolar Type 2 Cells Elicits a Rapid Epithelial-Intrinsic Inflammatory Response. Cell Stem Cell, 2020, 27, 962-973.e7.	5.2	266
14	Role of Isocitrate Dehydrogenase 2 on DNA Hydroxymethylation in Human Airway Smooth Muscle Cells. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 36-45.	1.4	12
15	Reconstructed Single-Cell Fate Trajectories Define Lineage Plasticity Windows during Differentiation of Human PSC-Derived Distal Lung Progenitors. Cell Stem Cell, 2020, 26, 593-608.e8.	5.2	114
16	YAP and TAZ regulate cell volume. Journal of Cell Biology, 2019, 218, 3472-3488.	2.3	39
17	Asporin Restricts Mesenchymal Stromal Cell Differentiation, Alters the Tumor Microenvironment, and Drives Metastatic Progression. Cancer Research, 2019, 79, 3636-3650.	0.4	47
18	TGFÎ²1 reinforces arterial aging in the vascular smooth muscle cell through a long-range regulation of the cytoskeletal stiffness. Scientific Reports, 2018, 8, 2668.	1.6	33

#	Article	IF	Citations
19	Defining an olfactory receptor function in airway smooth muscle cells. Scientific Reports, 2016, 6, 38231.	1.6	83
20	An inflammation-independent contraction mechanophenotype of airway smooth muscle in asthma. Journal of Allergy and Clinical Immunology, 2016, 138, 294-297.e4.	1.5	52
21	Germline Variants in Asporin Vary by Race, Modulate the Tumor Microenvironment, and Are Differentially Associated with Metastatic Prostate Cancer. Clinical Cancer Research, 2016, 22, 448-458.	3.2	29
22	Glycolysis is the primary bioenergetic pathway for cell motility and cytoskeletal remodeling in human prostate and breast cancer cells. Oncotarget, 2015, 6, 130-143.	0.8	151
23	Androgen-Regulated SPARCL1 in the Tumor Microenvironment Inhibits Metastatic Progression. Cancer Research, 2015, 75, 4322-4334.	0.4	23
24	Positive End-expiratory Pressure Increments during Anesthesia in Normal Lung Result in Hysteresis and Greater Numbers of Smaller Aerated Airspaces. Anesthesiology, 2013, 119, 1402-1409.	1.3	14