Laura Michalick

List of Publications by Year
in descending order

21 papers	964 citations	840776 11 h-index	888059 17 g-index
23 all docs	23 docs citations	23 times ranked	2061 citing authors

#	Article	IF	Citations
1	Ultra-High-Throughput Clinical Proteomics Reveals Classifiers of COVID-19 Infection. Cell Systems, 2020, 11, 11-24.e4.	6.2	439
2	Complement activation induces excessive T cell cytotoxicity in severe COVID-19. Cell, 2022, 185, 493-512.e25.	28.9	122
3	Role of Transient Receptor Potential Vanilloid 4 in Neutrophil Activation and Acute Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 370-383.	2.9	95
4	TRPV4â€"A Missing Link Between Mechanosensation and Immunity. Frontiers in Immunology, 2020, 11, 413.	4.8	69
5	Transient Receptor Potential Vanilloid 4 and Serum Glucocorticoidâ€"regulated Kinase 1 Are Critical Mediators of Lung Injury in Overventilated MiceIn Vivo. Anesthesiology, 2017, 126, 300-311.	2.5	46
6	Plasma mediators in patients with severe COVID-19 cause lung endothelial barrier failure. European Respiratory Journal, 2021, 57, 2002384.	6.7	40
7	Altered fibrin clot structure and dysregulated fibrinolysis contribute toÂthrombosis risk in severe COVID-19. Blood Advances, 2022, 6, 1074-1087.	5.2	35
8	The E3 SUMO ligase Nse2 regulates sumoylation and nuclear-to-cytoplasmic translocation of skNAC-Smyd1 in myogenesis. Journal of Cell Science, 2014, 127, 3794-804.	2.0	23
9	Key benefits of dexamethasone and antibody treatment in COVID-19 hamster models revealed by single-cell transcriptomics. Molecular Therapy, 2022, 30, 1952-1965.	8.2	20
10	Transient Receptor Potential Vanilloid 4 Channel Deficiency Aggravates Tubular Damage after Acute Renal Ischaemia Reperfusion. Scientific Reports, 2018, 8, 4878.	3.3	17
11	Sphingosine Kinase 1 Regulates Inflammation and Contributes to Acute Lung Injury in Pneumococcal Pneumonia via the Sphingosine-1-Phosphate Receptor 2. Critical Care Medicine, 2018, 46, e258-e267.	0.9	16
12	Rightâ€ventricular dysfunction in HFpEF is linked to altered cardiomyocyte Ca²⁺ homeostasis and myofilament sensitivity. ESC Heart Failure, 2021, 8, 3130-3144.	3.1	12
13	Heteromeric TRP Channels in Lung Inflammation. Cells, 2021, 10, 1654.	4.1	11
14	The circadian clock regulates rhythmic erythropoietin expression in the murine kidney. Kidney International, 2021, 100, 1071-1080.	5.2	4
15	Transient receptor potential cation channel vanilloid (TRPV) 4 in ventilatorâ€induced lung injury (VILI). FASEB Journal, 2013, 27, 914.12.	0.5	3
16	Complement Activation Induces Excessive T Cell Cytotoxicity in Severe COVID-19. SSRN Electronic Journal, 0, , .	0.4	2
17	In vitro screening identifies TRPV4 as target for endothelial barrier stabilization in COVIDâ€19. FASEB Journal, 2021, 35, .	0.5	1
18	In Vitro Screening Identifies TRPV4 and PAR1 as Targets for Endothelial Barrier Stabilization in COVIDâ€19. FASEB Journal, 2022, 36, .	0.5	1

#	Article	IF	Citations
19	Ca 2+ entry via transient receptor potential vanilloid channel 4 mediates ventilationâ€induced lung vascular barrier failure (1176.3). FASEB Journal, 2014, 28, 1176.3.	0.5	0
20	Serum/glucocorticoidâ€regulated kinase (SGK) 1 and transient receptor potential vanilloid channel (TRPV) 4 mediate ventilationâ€induced endothelial Ca ²⁺ influx and barrier failure. FASEB Journal, 2015, 29, 863.8.	0.5	0
21	Loss of Endothelial CFTR Drives Barrier Failure and Edema Formation in Lung Infection and Can Be Targeted by CFTR Potentiation. FASEB Journal, 2022, 36, .	0.5	0