Emily J Swindle

List of Publications by Year
in descending order

34	1,537	304368	395343
papers	citations	22 h-index	33 g-index

35	35	35	2686
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Real-time monitoring of epithelial barrier function by impedance spectroscopy in a microfluidic platform. Lab on A Chip, 2022, 22, 2041-2054.	3.1	8
2	Towards an artificial human lung: modelling organ-like complexity to aid mechanistic understanding. European Respiratory Journal, 2022, 60, 2200455.	3.1	6
3	Rapid microfluidic isolation of virally infected primary bronchial epithelial cells for single-cell RNA sequencing. BioTechniques, 2021, 71, 387-391.	0.8	0
4	A method for the generation of large numbers of dendritic cells from CD34+ hematopoietic stem cells from cord blood. Journal of Immunological Methods, 2020, 477, 112703.	0.6	8
5	Generation of Mast Cells from Murine Stem Cell Progenitors. Methods in Molecular Biology, 2020, 2163, 85-89.	0.4	1
6	Engineering multi-layered tissue constructs using acoustic levitation. Scientific Reports, 2019, 9, 9789.	1.6	28
7	Cellular crosstalk between airway epithelial and endothelial cells regulates barrier functions during exposure to doubleâ€stranded RNA. Immunity, Inflammation and Disease, 2017, 5, 45-56.	1.3	37
8	Mast cells are permissive for rhinovirus replication: potential implications for asthma exacerbations. Clinical and Experimental Allergy, 2017, 47, 351-360.	1.4	23
9	Modulation of Human Airway Barrier Functions during Burkholderia thailandensis and Francisella tularensis Infection. Pathogens, 2016, 5, 53.	1.2	5
10	IL-1Î± mediates cellular cross-talk in the airway epithelial mesenchymal trophic unit. Tissue Barriers, 2016, 4, e1206378.	1.6	16
11	Interferonâ€Î³ enhances both the antiâ€bacterial and the proâ€inflammatory response of human mast cells to Staphylococcus aureus. Immunology, 2015, 146, 470-485.	2.0	23
12	Temporal Monitoring of Differentiated Human Airway Epithelial Cells Using Microfluidics. PLoS ONE, 2015, 10, e0139872.	1.1	53
13	Biocompatibility of poly(2-alkyl-2-oxazoline) brush surfaces forÂadherent lung cell lines. Biomaterials, 2015, 61, 26-32.	5.7	11
14	The Effects on Bronchial Epithelial Mucociliary Cultures of Coarse, Fine, and Ultrafine Particulate Matter From an Underground Railway Station. Toxicological Sciences, 2015, 145, 98-107.	1.4	64
15	Low molecular weight components of pollen alter bronchial epithelial barrier functions. Tissue Barriers, 2015, 3, e1062316.	1.6	26
16	Assay of Mast Cell Mediators. Methods in Molecular Biology, 2015, 1220, 307-323.	0.4	14
17	Allergic sensitization: hostâ€immune factors. Clinical and Translational Allergy, 2014, 4, 12.	1.4	51
18	Generation of Mast Cells from Murine Stem Cell Progenitors. Methods in Molecular Biology, 2014, 1192, 63-67.	0.4	4

#	Article	IF	Citations
19	TNF-Î±â€“mediated bronchial barrier disruption and regulation by src-family kinase activation. Journal of Allergy and Clinical Immunology, 2013, 132, 665-675.e8.	1.5	97
20	Barrier responses of human bronchial epithelial cells to grass pollen exposure. European Respiratory Journal, 2013, 42, 87-97.	3.1	59
21	Barrier Disrupting Effects of Alternaria Alternata Extract on Bronchial Epithelium from Asthmatic Donors. PLoS ONE, 2013, 8, e71278.	1.1	63
22	Nitric oxide stress in sporadic inclusion body myositis muscle fibres: inhibition of inducible nitric oxide synthase prevents interleukin-1Î²-induced accumulation of Î²-amyloid and cell death. Brain, 2012, 135, 1102-1114.	3.7	58
23	Artificial airways for the study of respiratory disease. Expert Review of Respiratory Medicine, 2011, 5, 757-765.	1.0	10
24	On-chip epithelial barrier function assays using electrical impedance spectroscopy. Lab on A Chip, 2010, 10, 1611.	3.1	54
25	Breakdown in epithelial barrier function in patients with asthma: Identification of novel therapeutic approaches. Journal of Allergy and Clinical Immunology, 2009, 124, 23-34.	1.5	101
26	Effect of lipopolysaccharide (LPS) and peptidoglycan (PGN) on human mast cell numbers, cytokine production, and protease composition. BMC Immunology, 2008, 9, 45.	0.9	47
27	The Phosphoinositide 3-Kinase-Dependent Activation of Btk Is Required for Optimal Eicosanoid Production and Generation of Reactive Oxygen Species in Antigen-Stimulated Mast Cells. Journal of Immunology, 2008, 181, 7706-7712.	0.4	66
28	FcÎµRI- and FcÎ³ Receptor-Mediated Production of Reactive Oxygen Species by Mast Cells Is Lipoxygenase- and Cyclooxygenase-Dependent and NADPH Oxidase-Independent. Journal of Immunology, 2007, 179, 7059-7071.	0.4	45
29	Silica-Directed Mast Cell Activation Is Enhanced by Scavenger Receptors. American Journal of Respiratory Cell and Molecular Biology, 2007, 36, 43-52.	1.4	92
30	The role of reactive oxygen species and nitric oxide in mast cell-dependent inflammatory processes. Immunological Reviews, 2007, 217, 186-205.	2.8	176
31	Generation, Isolation, and Maintenance of Rodent Mast Cells and Mast Cell Lines. Current Protocols in Immunology, 2006, 74, Unit 3.23.	3.6	70
32	Rodent and Human Mast Cells Produce Functionally Significant Intracellular Reactive Oxygen Species but Not Nitric Oxide. Journal of Biological Chemistry, 2004, 279, 48751-48759.	1.6	95
33	Differential regulation of mast cell cytokines by both dexamethasone and the p38 mitogen-activated protein kinase (MAPK) inhibitor SB203580. Clinical and Experimental Immunology, 2004, 137, 81-87.	1.1	36
34	A Comparison of Reactive Oxygen Species Generation by Rat Peritoneal Macrophages and Mast Cells Using the Highly Sensitive Real-Time Chemiluminescent Probe Pholasin: Inhibition of Antigen-Induced Mast Cell Degranulation by Macrophage-Derived Hydrogen Peroxide. Journal of Immunology, 2002, 169, 5866-5873.	0.4	89