

# Charles W Frevert

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,770  
citations

257450

24  
h-index

289244

40  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2887  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controls for Immunohistochemistry. <i>Journal of Histochemistry and Cytochemistry</i> , 2014, 62, 693-697.	2.5	196
2	Versicanâ€”A Critical Extracellular Matrix Regulator of Immunity and Inflammation. <i>Frontiers in Immunology</i> , 2020, 11, 512.	4.8	135
3	Danger-Associated Molecular Patterns Derived From the Extracellular Matrix Provide Temporal Control of Innate Immunity. <i>Journal of Histochemistry and Cytochemistry</i> , 2018, 66, 213-227.	2.5	118
4	Binding of Interleukin-8 to Heparan Sulfate and Chondroitin Sulfate in Lung Tissue. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2003, 28, 464-472.	2.9	100
5	Proteoglycans: Key Regulators of Pulmonary Inflammation and the Innate Immune Response to Lung Infection. <i>Anatomical Record</i> , 2010, 293, 968-981.	1.4	99
6	Interplay of extracellular matrix and leukocytes in lung inflammation. <i>Cellular Immunology</i> , 2017, 312, 1-14.	3.0	89
7	Measurement of cell migration in response to an evolving radial chemokine gradient triggered by a microvalve. <i>Lab on A Chip</i> , 2006, 6, 849.	6.0	76
8	Lipidomics reveals dramatic lipid compositional changes in the maturing postnatal lung. <i>Scientific Reports</i> , 2017, 7, 40555.	3.3	67
9	A rapid increase in macrophage-derived versican and hyaluronan in infectious lung disease. <i>Matrix Biology</i> , 2014, 34, 1-12.	3.6	62
10	CFTR dysregulation drives active selection of the gut microbiome. <i>PLoS Pathogens</i> , 2020, 16, e1008251.	4.7	57
11	Airway epitheliumâ€™s shifted mast cell infiltration regulates asthmatic inflammation via IL-33 signaling. <i>Journal of Clinical Investigation</i> , 2019, 129, 4979-4991.	8.2	57
12	Neutrophil recruitment by chemokines Cxcl1/KC and Cxcl2/MIP2: Role of Cxcr2 activation and glycosaminoglycan interactions. <i>Journal of Leukocyte Biology</i> , 2021, 109, 777-791.	3.3	53
13	Increased density of intraepithelial mast cells in patients with exercise-induced bronchoconstriction regulated through epithelially derived thymic stromal lymphopoietin and IL-33. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 1448-1455.	2.9	52
14	Versican Deficiency Significantly Reduces Lung Inflammatory Response Induced by Polyinosine-Polycytidylic Acid Stimulation. <i>Journal of Biological Chemistry</i> , 2017, 292, 51-63.	3.4	52
15	Islet Interleukin-1 $\beta$ Immunoreactivity Is an Early Feature of Cystic Fibrosis That May Contribute to $\beta$ 2-Cell Failure. <i>Diabetes Care</i> , 2018, 41, 823-830.	8.6	52
16	Syndecan-4 Regulates Early Neutrophil Migration and Pulmonary Inflammation in Response to Lipopolysaccharide. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 47, 196-202.	2.9	50
17	Versican is produced by Trif- and type I interferon-dependent signaling in macrophages and contributes to fine control of innate immunity in lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 313, L1069-L1086.	2.9	50
18	East Coast Fever Caused by <i>Theileria parva</i> Is Characterized by Macrophage Activation Associated with Vasculitis and Respiratory Failure. <i>PLoS ONE</i> , 2016, 11, e0156004.	2.5	44

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19	STAT6 Regulates the Development of Eosinophilic versus Neutrophilic Asthma in Response to <i>Alternaria alternata</i> . <i>Journal of Immunology</i> , 2016, 197, 4541-4551.	0.8	42
20	Proteoglycans as Immunomodulators of the Innate Immune Response to Lung Infection. <i>Journal of Histochemistry and Cytochemistry</i> , 2018, 66, 241-259.	2.5	38
21	Serum Syndecan-4 as a Possible Biomarker in Patients With Acute Pneumonia. <i>Journal of Infectious Diseases</i> , 2015, 212, 1500-1508.	4.0	30
22	Reprint of: A rapid increase in macrophage-derived versican and hyaluronan in infectious lung disease. <i>Matrix Biology</i> , 2014, 35, 162-173.	3.6	28
23	Correlation of Versican Expression, Accumulation, and Degradation during Embryonic Development by Quantitative Immunohistochemistry. <i>Journal of Histochemistry and Cytochemistry</i> , 2015, 63, 952-967.	2.5	28
24	Subepithelial Accumulation of Versican in a Cockroach Antigen-Induced Murine Model of Allergic Asthma. <i>Journal of Histochemistry and Cytochemistry</i> , 2016, 64, 364-380.	2.5	27
25	Matrix Metalloproteinase-28 Is a Key Contributor to Emphysema Pathogenesis. <i>American Journal of Pathology</i> , 2017, 187, 1288-1300.	3.8	25
26	Syndecan-4 Inhibits the Development of Pulmonary Fibrosis by Attenuating TGF- $\beta$ 2 Signaling. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4989.	4.1	19
27	Location of eosinophils in the airway wall is critical for specific features of airway hyperresponsiveness and T2 inflammation in asthma. <i>European Respiratory Journal</i> , 2022, 60, 2101865.	6.7	18
28	Baseline serum syndecan-4 predicts prognosis after the onset of acute exacerbation of idiopathic interstitial pneumonia. <i>PLoS ONE</i> , 2017, 12, e0176789.	2.5	17
29	Quantum dots and mouse strain influence house dust mite-induced allergic airway disease. <i>Toxicology and Applied Pharmacology</i> , 2019, 368, 55-62.	2.8	13
30	Matrix metalloproteinase 28 is regulated by TRIF- and type I IFN-dependent signaling in macrophages. <i>Innate Immunity</i> , 2018, 24, 357-365.	2.4	11
31	The Effect of Endotoxin on in Vivo Rat Alveolar Macrophage Phagocytosis. <i>Experimental Lung Research</i> , 1998, 24, 745-758.	1.2	10
32	Secreted Phospholipase A2 Group X Acts as an Adjuvant for Type 2 Inflammation, Leading to an Allergen-Specific Immune Response in the Lung. <i>Journal of Immunology</i> , 2020, 204, 3097-3107.	0.8	9
33	Intranasal Influenza Infection of Mice and Methods to Evaluate Progression and Outcome. <i>Methods in Molecular Biology</i> , 2013, 1031, 177-188.	0.9	9
34	Revisiting the scientific method to improve rigor and reproducibility of immunohistochemistry in reproductive science. <i>Biology of Reproduction</i> , 2018, 99, 673-677.	2.7	7
35	Type I Interferon Signaling Increases Versican Expression and Synthesis in Lung Stromal Cells During Influenza Infection. <i>Journal of Histochemistry and Cytochemistry</i> , 2021, 69, 691-709.	2.5	7
36	Deletion of LysM in LysMCre Recombinase Homozygous Mice is Non-contributory in LPS-Induced Acute Lung Injury. <i>Lung</i> , 2019, 197, 819-823.	3.3	6

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37	Defining the versican interactome in lung health and disease. American Journal of Physiology - Cell Physiology, 2022, 323, C249-C276.	4.6	6
38	The Use of Quantitative Digital Pathology to Measure Proteoglycan and Glycosaminoglycan Expression and Accumulation in Healthy and Diseased Tissues. Journal of Histochemistry and Cytochemistry, 2021, 69, 137-155.	2.5	5
39	Evaluation of Nutritional Gel Supplementation in C57BL/6J Mice Infected with Mouse-Adapted Influenza A/PR/8/34 Virus. Comparative Medicine, 2020, 70, 471-486.	1.0	5
40	MAP2K2 Delays Recovery in Murine Models of Acute Lung Injury and Associates with ARDS Outcome. American Journal of Respiratory Cell and Molecular Biology, 2022, , .	2.9	1
41	Versican is a critical extracellular matrix protein in lung and brain during embryonic development in the mouse (1046.9). FASEB Journal, 2014, 28, 1046.9.	0.5	0
42	Regulation of versican expression by bacterial infection is TLR4â€dependent but MyD88â€independent (1046.3). FASEB Journal, 2014, 28, 1046.3.	0.5	0