

# Eric P Schmidt

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39  
papers

1,818  
citations

21  
h-index

42  
g-index

50  
ext. papers

2,348  
ext. citations

7.3  
avg, IF

5.18  
L-index

#	Paper	IF	Citations
39	The pulmonary endothelial glycocalyx regulates neutrophil adhesion and lung injury during experimental sepsis. <i>Nature Medicine</i> , <b>2012</b> , 18, 1217-23	50.5	466
38	The glycocalyx: a novel diagnostic and therapeutic target in sepsis. <i>Critical Care</i> , <b>2019</b> , 23, 16	10.8	224
37	The circulating glycosaminoglycan signature of respiratory failure in critically ill adults. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 8194-202	5.4	103
36	Heparin as a therapy for COVID-19: current evidence and future possibilities. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2020</b> , 319, L211-L217	5.8	94
35	Urinary Glycosaminoglycans Predict Outcomes in Septic Shock and Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2016</b> , 194, 439-49	10.2	93
34	Intravenous fluid resuscitation is associated with septic endothelial glycocalyx degradation. <i>Critical Care</i> , <b>2019</b> , 23, 259	10.8	67
33	Endothelial and Microcirculatory Function and Dysfunction in Sepsis. <i>Clinics in Chest Medicine</i> , <b>2016</b> , 37, 263-75	5.3	63
32	On, around, and through: neutrophil-endothelial interactions in innate immunity. <i>Physiology</i> , <b>2011</b> , 26, 334-47	9.8	63
31	The endothelial glycocalyx: an important regulator of the pulmonary vascular barrier. <i>Tissue Barriers</i> , <b>2013</b> , 1,	4.3	59
30	Analysis of Total Human Urinary Glycosaminoglycan Disaccharides by Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 6220-7	7.8	58
29	Circulating heparan sulfate fragments mediate septic cognitive dysfunction. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 1779-1784	15.9	52
28	Heparanase mediates renal dysfunction during early sepsis in mice. <i>Physiological Reports</i> , <b>2013</b> , 1, e00153.6	5.6	51
27	Fibroblast Growth Factor Signaling Mediates Pulmonary Endothelial Glycocalyx Reconstitution. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2017</b> , 56, 727-737	5.7	50
26	Heparan Sulfate in the Developing, Healthy, and Injured Lung. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2016</b> , 55, 5-11	5.7	41
25	Soluble guanylyl cyclase contributes to ventilator-induced lung injury in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2008</b> , 295, L1056-65	5.8	34
24	Circulating heparin oligosaccharides rapidly target the hippocampus in sepsis, potentially impacting cognitive functions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 9208-9213	11.5	32
23	Adhesion Molecules: Master Controllers of the Circulatory System. <i>Comprehensive Physiology</i> , <b>2016</b> , 6, 945-73	7.7	31

22	The role of heparanase in pulmonary cell recruitment in response to an allergic but not non-allergic stimulus. <i>PLoS ONE</i> , <b>2015</b> , 10, e0127032	3.7	30
21	A model-specific role of microRNA-223 as a mediator of kidney injury during experimental sepsis. <i>American Journal of Physiology - Renal Physiology</i> , <b>2017</b> , 313, F553-F559	4.3	26
20	The Pulmonary Endothelial Glycocalyx in ARDS: A Critical Role for Heparan Sulfate. <i>Current Topics in Membranes</i> , <b>2018</b> , 82, 33-52	2.2	25
19	Epithelial Heparan Sulfate Contributes to Alveolar Barrier Function and Is Shed during Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2018</b> , 59, 363-374	5.7	24
18	Safety and Outcomes of Prolonged Usual Care Prone Position Mechanical Ventilation to Treat Acute Coronavirus Disease 2019 Hypoxemic Respiratory Failure. <i>Critical Care Medicine</i> , <b>2021</b> , 49, 490-502 <sup>1.4</sup>	1.4	19
17	Rtp801 suppression of epithelial mTORC1 augments endotoxin-induced lung inflammation. <i>American Journal of Pathology</i> , <b>2014</b> , 184, 2382-9	5.8	18
16	Staphylococcus aureus adhesion in endovascular infections is controlled by the ArlRS-MgrA signaling cascade. <i>PLoS Pathogens</i> , <b>2019</b> , 15, e1007800	7.6	16
15	Chemoenzymatic synthesis of unmodified heparin oligosaccharides: cleavage of p-nitrophenyl glucuronide by alkaline and Smith degradation. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 1222-1227 <sup>3.9</sup>	3.9	13
14	More than a biomarker: the systemic consequences of heparan sulfate fragments released during endothelial surface layer degradation (2017 Grover Conference Series). <i>Pulmonary Circulation</i> , <b>2018</b> , 8, 2045893217745786	2.7	13
13	Advancing precision medicine for acute respiratory distress syndrome. <i>Lancet Respiratory Medicine</i> , <b>2021</b> ,	35.1	10
12	Alveolar heparan sulfate shedding impedes recovery from bleomycin-induced lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2020</b> , 318, L1198-L1210	5.8	10
11	Endothelial Heparan Sulfate Proteoglycans in Sepsis: The Role of the Glycocalyx. <i>Seminars in Thrombosis and Hemostasis</i> , <b>2021</b> , 47, 274-282	5.3	6
10	Update on the Features and Measurements of Experimental Acute Lung Injury in Animals: An Official American Thoracic Society Workshop Report.. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2022</b> , 66, e1-e14	5.7	5
9	Loss of endothelial sulfatase-1 after experimental sepsis attenuates subsequent pulmonary inflammatory responses. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2019</b> , 317, L667-L677	5.8	4
8	Intravital Microscopy in the Mouse Lung. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1809, 331-339	1.4	3
7	Endothelial glycocalyx degradation during sepsis: Causes and consequences.. <i>Matrix Biology Plus</i> , <b>2021</b> , 12, 100094	5.1	3
6	Direct Intrabronchial Administration to Improve the Selective Agent Deposition Within the Mouse Lung. <i>Journal of Visualized Experiments</i> , <b>2019</b> ,	1.6	2
5	The expanding appreciation of heparanase in human disease. <i>Neuroscience Letters</i> , <b>2012</b> , 511, 1-3	3.3	2

4	Endothelial glycocalyx degradation predisposes for transfusion-associated acute lung injury. <i>FASEB Journal</i> , <b>2013</b> , 27, 724.1	0.9	1
3	Grant Writing for Clinicians in Training: An Important Career Development Exercise. <i>Chest</i> , <b>2020</b> , 157, 932-935	5.3	1
2	ABO blood type: a window into the genetics of acute respiratory distress syndrome susceptibility. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	1
1	Minimal Change Disease Is Associated With Endothelial Glycocalyx Degradation and Endothelial Activation.. <i>Kidney International Reports</i> , <b>2022</b> , 7, 797-809	4.1	0