

Warren L Lee

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.

72
papers

3,808
citations

32
h-index

61
g-index

78
ext. papers

4,433
ext. citations

8.5
avg, IF

5.56
L-index

#	Paper	IF	Citations
72	Neutrophil activation and acute lung injury. <i>Current Opinion in Critical Care</i> , 2001 , 7, 1-7	3.5	333
71	Impact of diabetes on coronary artery disease in women and men: a meta-analysis of prospective studies. <i>Diabetes Care</i> , 2000 , 23, 962-8	14.6	332
70	Sepsis and endothelial permeability. <i>New England Journal of Medicine</i> , 2010 , 363, 689-91	59.2	327
69	Leukocyte elastase: physiological functions and role in acute lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 164, 896-904	10.2	260
68	Phagocytosis by neutrophils. <i>Microbes and Infection</i> , 2003 , 5, 1299-306	9.3	239
67	Broken barriers: a new take on sepsis pathogenesis. <i>Science Translational Medicine</i> , 2011 , 3, 88ps25	17.5	208
66	The ESAT-6/CFP-10 secretion system of <i>Mycobacterium marinum</i> modulates phagosome maturation. <i>Cellular Microbiology</i> , 2006 , 8, 1417-29	3.9	125
65	Contrast echocardiography remains positive after treatment of pulmonary arteriovenous malformations. <i>Chest</i> , 2003 , 123, 351-8	5.3	83
64	Transcellular vesicular transport in epithelial and endothelial cells: Challenges and opportunities. <i>Traffic</i> , 2018 , 19, 5-18	5.7	82
63	Endothelial activation, dysfunction and permeability during severe infections. <i>Current Opinion in Hematology</i> , 2011 , 18, 191-6	3.3	81
62	A novel assay uncovers an unexpected role for SR-BI in LDL transcytosis. <i>Cardiovascular Research</i> , 2015 , 108, 268-77	9.9	79
61	Influenza infects lung microvascular endothelium leading to microvascular leak: role of apoptosis and claudin-5. <i>PLoS ONE</i> , 2012 , 7, e47323	3.7	79
60	The CXCR4/CXCR7/SDF-1 pathway contributes to the pathogenesis of Shiga toxin-associated hemolytic uremic syndrome in humans and mice. <i>Journal of Clinical Investigation</i> , 2012 , 122, 759-76	15.9	79
59	Role of Transient Receptor Potential Vanilloid 4 in Neutrophil Activation and Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016 , 54, 370-83	5.7	77
58	Do viral infections mimic bacterial sepsis? The role of microvascular permeability: A review of mechanisms and methods. <i>Antiviral Research</i> , 2012 , 93, 2-15	10.8	75
57	Genome-wide RNAi screen reveals ALK1 mediates LDL uptake and transcytosis in endothelial cells. <i>Nature Communications</i> , 2016 , 7, 13516	17.4	73
56	<i>Mycobacterium tuberculosis</i> expresses methionine sulphoxide reductases A and B that protect from killing by nitrite and hypochlorite. <i>Molecular Microbiology</i> , 2009 , 71, 583-93	4.1	66

55	On, around, and through: neutrophil-endothelial interactions in innate immunity. <i>Physiology</i> , 2011 , 26, 334-47	9.8	63
54	SR-BI Mediated Transcytosis of HDL in Brain Microvascular Endothelial Cells Is Independent of Caveolin, Clathrin, and PDZK1. <i>Frontiers in Physiology</i> , 2017 , 8, 841	4.6	61
53	Endothelial activation and dysfunction in the pathogenesis of influenza A virus infection. <i>Virulence</i> , 2013 , 4, 537-42	4.7	60
52	Clathrin-dependent entry and vesicle-mediated exocytosis define insulin transcytosis across microvascular endothelial cells. <i>Molecular Biology of the Cell</i> , 2015 , 26, 740-50	3.5	54
51	Quantitative analysis of membrane remodeling at the phagocytic cup. <i>Molecular Biology of the Cell</i> , 2007 , 18, 2883-92	3.5	54
50	Caveolin-1 Regulates Atherogenesis by Attenuating Low-Density Lipoprotein Transcytosis and Vascular Inflammation Independently of Endothelial Nitric Oxide Synthase Activation. <i>Circulation</i> , 2019 , 140, 225-239	16.7	47
49	Co-regulation of transcellular and paracellular leak across microvascular endothelium by dynamin and Rac. <i>American Journal of Pathology</i> , 2012 , 180, 1308-1323	5.8	47
48	Palmitate-induced inflammatory pathways in human adipose microvascular endothelial cells promote monocyte adhesion and impair insulin transcytosis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 309, E35-44	6	46
47	Role of ubiquitin and proteasomes in phagosome maturation. <i>Molecular Biology of the Cell</i> , 2005 , 16, 2077-90	3.5	43
46	Influenza Virus Infection Induces Platelet-Endothelial Adhesion Which Contributes to Lung Injury. <i>Journal of Virology</i> , 2016 , 90, 1812-23	6.6	41
45	The Tie2-agonist Vasculotide rescues mice from influenza virus infection. <i>Scientific Reports</i> , 2015 , 5, 11030	4.9	41
44	Slit2 prevents neutrophil recruitment and renal ischemia-reperfusion injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2013 , 24, 1274-87	12.7	41
43	Long noncoding RNA integrates a DNA-PK-mediated DNA damage response and vascular senescence. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	41
42	The lung microvascular endothelium as a therapeutic target in severe influenza. <i>Antiviral Research</i> , 2013 , 99, 113-8	10.8	32
41	Immunology. The tangled webs that neutrophils weave. <i>Science</i> , 2004 , 303, 1477-8	33.3	32
40	Estrogen Inhibits LDL (Low-Density Lipoprotein) Transcytosis by Human Coronary Artery Endothelial Cells via GPER (G-Protein-Coupled Estrogen Receptor) and SR-BI (Scavenger Receptor Class B Type 1). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 2283-2294	9.4	32
39	Adhesion Molecules: Master Controllers of the Circulatory System. <i>Comprehensive Physiology</i> , 2016 , 6, 945-73	7.7	31
38	Role of CrkII in Fcγ receptor-mediated phagocytosis. <i>Journal of Biological Chemistry</i> , 2007 , 282, 11135-43	5.4	30

37	Lung-protective ventilation in the operating room: time to implement?. <i>Anesthesiology</i> , 2014 , 121, 184-84.3	4.3	30
36	Ventilator-induced lung injury and recommendations for mechanical ventilation of patients with ARDS. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2001 , 22, 269-80	3.9	28
35	Coagulation inhibitors in sepsis and disseminated intravascular coagulation. <i>Intensive Care Medicine</i> , 2000 , 26, 1701-6	14.5	28
34	Development of a zebrafish sepsis model for high-throughput drug discovery. <i>Molecular Medicine</i> , 2017 , 23, 134-148	6.2	27
33	Thrombin stimulates albumin transcytosis in lung microvascular endothelial cells via activation of acid sphingomyelinase. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 310, L720-32	5.8	25
32	Safety of pressure-volume curve measurement in acute lung injury and ARDS using a syringe technique. <i>Chest</i> , 2002 , 121, 1595-601	5.3	23
31	Influenza-Induced Priming and Leak of Human Lung Microvascular Endothelium upon Exposure to Staphylococcus aureus. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015 , 53, 459-70	5.7	18
30	CD36 mediates albumin transcytosis by dermal but not lung microvascular endothelial cells: role in fatty acid delivery. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019 , 316, L740-L750	5.8	16
29	Inflammation without Vascular Leakage. Science Fiction No Longer?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 200, 1472-1476	10.2	16
28	Transendothelial transport of lipoproteins. <i>Atherosclerosis</i> , 2020 , 315, 111-125	3.1	16
27	Endothelial HMGB1 Is a Critical Regulator of LDL Transcytosis via an SREBP2-SR-BI Axis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 200-216	9.4	14
26	Endothelial Transcytosis of Insulin: Does It Contribute to Insulin Resistance?. <i>Physiology</i> , 2016 , 31, 336-45.8	5.8	14
25	Lung Ultrasound and Microbubbles Enhance Aminoglycoside Efficacy and Delivery to the Lung in Escherichia coli-induced Pneumonia and Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 198, 404-408	10.2	13
24	Prostaglandin I2 Receptor Agonism Preserves ECell Function and Attenuates Albuminuria Through Nephrin-Dependent Mechanisms. <i>Diabetes</i> , 2016 , 65, 1398-409	0.9	13
23	Photoacoustic imaging of kidney fibrosis for assessing pretransplant organ quality. <i>JCI Insight</i> , 2020 , 5,	9.9	13
22	Lung-protective mechanical ventilation strategies in ARDS. <i>Intensive Care Medicine</i> , 2000 , 26, 1151-5	14.5	12
21	Staphylococcus aureus Leukocidins Target Endothelial DARC to Cause Lethality in Mice. <i>Cell Host and Microbe</i> , 2019 , 25, 463-470.e9	23.4	9
20	Is basic science disappearing from medicine? The decline of biomedical research in the medical literature. <i>FASEB Journal</i> , 2016 , 30, 515-8	0.9	9

19	SOAP and sepsis--analyzing what comes out in the wash. <i>Critical Care Medicine</i> , 2006 , 34, 552-4	1.4	8
18	Research projects in the Surgeon-Scientist and Clinician-Investigator programs at the University of Toronto (1987-2016): a cohort study. <i>CMAJ Open</i> , 2016 , 4, E444-E447	2.5	8
17	BMP-9 and LDL crosstalk regulates ALK-1 endocytosis and LDL transcytosis in endothelial cells. <i>Journal of Biological Chemistry</i> , 2020 , 295, 18179-18188	5.4	7
16	Interactions of Influenza and SARS-CoV-2 with the Lung Endothelium: Similarities, Differences, and Implications for Therapy. <i>Viruses</i> , 2021 , 13,	6.2	7
15	Should basic science matter to clinicians?. <i>Lancet, The</i> , 2018 , 391, 410-412	4.0	6
14	Immunotherapy for Sepsis: A Good Idea or Another Dead End?. <i>Anesthesiology</i> , 2018 , 129, 5-7	4.3	5
13	Update in critical care 2008. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009 , 179, 743-58	10.2	5
12	Tsr Chemoreceptor Interacts With IL-8 Provoking E. coli Transmigration Across Human Lung Epithelial Cells. <i>Scientific Reports</i> , 2016 , 6, 31087	4.9	4
11	Acute Hypoxemic Respiratory Failure and ARDS 2016 , 1740-1760.e7		3
10	ICU Cornerstone: changing our view of blood transfusions. <i>Critical Care</i> , 2002 , 6, 291-2	10.8	3
9	Radiation Impacts Early Atherosclerosis by Suppressing Intimal LDL Accumulation. <i>Circulation Research</i> , 2021 , 128, 530-543	15.7	3
8	Update in critical care 2007. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008 , 177, 808-19	10.2	2
7	Ultrasound and Microbubbles for Targeted Drug Delivery to the Lung Endothelium in ARDS: Cellular Mechanisms and Therapeutic Opportunities. <i>Biomedicines</i> , 2021 , 9,	4.8	2
6	Reply to Mehmood: Adrenomedullin: A Double-edged Sword in Septic Shock and Heart Failure Therapeutics?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 201, 1165	10.2	1
5	In reply. <i>Anesthesiology</i> , 2015 , 122, 473-4	4.3	
4	Mesenchymal Stromal Cell Microparticles Enhance Lung Endothelial Barrier Through CD44 and the S1P/ceramide Rheostat. <i>FASEB Journal</i> , 2018 , 32, 917.4	0.9	
3	Induction And Regulation of Endogenous DARC Expression in Primary Human Endothelial Cells. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
2	Transcytosis of insulin across microvascular endothelium. <i>FASEB Journal</i> , 2013 , 27, 1154.11	0.9	

- 1 Quantifying Endothelial Transcytosis with Total Internal Reflection Fluorescence Microscopy (TIRF).. *Methods in Molecular Biology*, **2022**, 2440, 115-124

1.4