

Warren L Lee

List of Publications by Year in descending order

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77
papers

4,979
citations

109137

35
h-index

91712

69
g-index

78
all docs

78
docs citations

78
times ranked

7647
citing authors

#	ARTICLE	IF	CITATIONS
1	Sepsis and Endothelial Permeability. <i>New England Journal of Medicine</i> , 2010, 363, 689-691.	13.9	413
2	Neutrophil activation and acute lung injury. <i>Current Opinion in Critical Care</i> , 2001, 7, 1-7.	1.6	387
3	Impact of diabetes on coronary artery disease in women and men: a meta-analysis of prospective studies. <i>Diabetes Care</i> , 2000, 23, 962-968.	4.3	385
4	Phagocytosis by neutrophils. <i>Microbes and Infection</i> , 2003, 5, 1299-1306.	1.0	305
5	Leukocyte Elastase. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001, 164, 896-904.	2.5	301
6	Broken Barriers: A New Take on Sepsis Pathogenesis. <i>Science Translational Medicine</i> , 2011, 3, 88ps25.	5.8	260
7	The ESAT-6/CFP-10 secretion system of <i>Mycobacterium marinum</i> modulates phagosome maturation. <i>Cellular Microbiology</i> , 2006, 8, 1417-1429.	1.1	149
8	Transcellular vesicular transport in epithelial and endothelial cells: Challenges and opportunities. <i>Traffic</i> , 2018, 19, 5-18.	1.3	117
9	Genome-wide RNAi screen reveals ALK1 mediates LDL uptake and transcytosis in endothelial cells. <i>Nature Communications</i> , 2016, 7, 13516.	5.8	115
10	A novel assay uncovers an unexpected role for SR-BI in LDL transcytosis. <i>Cardiovascular Research</i> , 2015, 108, 268-277.	1.8	112
11	Endothelial activation, dysfunction and permeability during severe infections. <i>Current Opinion in Hematology</i> , 2011, 18, 191-196.	1.2	106
12	Influenza Infects Lung Microvascular Endothelium Leading to Microvascular Leak: Role of Apoptosis and Claudin-5. <i>PLoS ONE</i> , 2012, 7, e47323.	1.1	101
13	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.	1.6	100
14	Contrast Echocardiography Remains Positive After Treatment of Pulmonary Arteriovenous Malformations*. <i>Chest</i> , 2003, 123, 351-358.	0.4	97
15	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, 370-383.	1.4	95
16	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.	1.9	94
17	Long noncoding RNA <i>SNHG12</i> integrates a DNA-PK ϵ -mediated DNA damage response and vascular senescence. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	91
18	Endothelial activation and dysfunction in the pathogenesis of influenza A virus infection. <i>Virulence</i> , 2013, 4, 537-542.	1.8	86

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19	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, 759-776.	3.9	86
20	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.	1.3	85
21	On, Around, and Through: Neutrophil-Endothelial Interactions in Innate Immunity. <i>Physiology</i> , 2011, 26, 334-347.	1.6	83
22	Clathrin-dependent entry and vesicle-mediated exocytosis define insulin transcytosis across microvascular endothelial cells. <i>Molecular Biology of the Cell</i> , 2015, 26, 740-750.	0.9	71
23	<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, 583-593.	1.2	70
24	Quantitative Analysis of Membrane Remodeling at the Phagocytic Cup. <i>Molecular Biology of the Cell</i> , 2007, 18, 2883-2892.	0.9	62
25	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-E44.	1.8	59
26	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.	1.1	59
27	The Tie2-agonist Vasculotide rescues mice from influenza virus infection. <i>Scientific Reports</i> , 2015, 5, 11030.	1.6	57
28	Co-Regulation of Transcellular and Paracellular Leak Across Microvascular Endothelium by Dynamin and Rac. <i>American Journal of Pathology</i> , 2012, 180, 1308-1323.	1.9	56
29	Influenza Virus Infection Induces Platelet-Endothelial Adhesion Which Contributes to Lung Injury. <i>Journal of Virology</i> , 2016, 90, 1812-1823.	1.5	53
30	Slit2 Prevents Neutrophil Recruitment and Renal Ischemia-Reperfusion Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2013, 24, 1274-1287.	3.0	52
31	Development of a Zebrafish Sepsis Model for High-Throughput Drug Discovery. <i>Molecular Medicine</i> , 2017, 23, 134-148.	1.9	51
32	Role of Ubiquitin and Proteasomes in Phagosome Maturation. <i>Molecular Biology of the Cell</i> , 2005, 16, 2077-2090.	0.9	48
33	Lung-protective Ventilation in the Operating Room. <i>Anesthesiology</i> , 2014, 121, 184-188.	1.3	47
34	Transendothelial transport of lipoproteins. <i>Atherosclerosis</i> , 2020, 315, 111-125.	0.4	45
35	IMMUNOLOGY: Enhanced: The Tangled Webs That Neutrophils Weave. <i>Science</i> , 2004, 303, 1477-1478.	6.0	39
36	Adhesion Molecules: Master Controllers of the Circulatory System. , 2016, 6, 945-973.		39

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37	Role of CrkII in Fc γ 3 Receptor-mediated Phagocytosis. <i>Journal of Biological Chemistry</i> , 2007, 282, 11135-11143.	1.6	37
38	The lung microvascular endothelium as a therapeutic target in severe influenza. <i>Antiviral Research</i> , 2013, 99, 113-118.	1.9	35
39	Ventilator-Induced Lung Injury and Recommendations for Mechanical Ventilation of Patients with ARDS. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2001, 22, 269-280.	0.8	31
40	Influenza-Induced Priming and Leak of Human Lung Microvascular Endothelium upon Exposure to <i>Staphylococcus aureus</i> . <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 53, 459-470.	1.4	31
41	Coagulation inhibitors in sepsis and disseminated intravascular coagulation. <i>Intensive Care Medicine</i> , 2000, 26, 1701-1706.	3.9	30
42	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-L732.	1.3	29
43	Inflammation without Vascular Leakage. Science Fiction No Longer?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 1472-1476.	2.5	27
44	<i>Staphylococcus aureus</i> Leukocidins Target Endothelial DARC to Cause Lethality in Mice. <i>Cell Host and Microbe</i> , 2019, 25, 463-470.e9.	5.1	26
45	Endothelial HMGB1 Is a Critical Regulator of LDL Transcytosis via an SREBP2 \rightarrow SR-BI Axis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 200-216.	1.1	26
46	Safety of Pressure-Volume Curve Measurement in Acute Lung Injury and ARDS Using a Syringe Technique. <i>Chest</i> , 2002, 121, 1595-1601.	0.4	25
47	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.	1.6	25
48	Photoacoustic imaging of kidney fibrosis for assessing pretransplant organ quality. <i>JCI Insight</i> , 2020, 5, .	2.3	24
49	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.	1.3	21
50	Endothelial Transcytosis of Insulin: Does It Contribute to Insulin Resistance?. <i>Physiology</i> , 2016, 31, 336-345.	1.6	20
51	Prostaglandin I2 Receptor Agonism Preserves β 2-Cell Function and Attenuates Albuminuria Through Nephrin-Dependent Mechanisms. <i>Diabetes</i> , 2016, 65, 1398-1409.	0.3	19
52	Lung Ultrasound and Microbubbles Enhance Aminoglycoside Efficacy and Delivery to the Lung in <i>Escherichia coli</i> -induced Pneumonia and Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 404-408.	2.5	19
53	Is nosocomial infection really the major cause of death in sepsis?. <i>Critical Care</i> , 2014, 18, 540.	2.5	18
54	Is basic science disappearing from medicine? The decline of biomedical research in the medical literature. <i>FASEB Journal</i> , 2016, 30, 515-518.	0.2	17

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55	Interactions of Influenza and SARS-CoV-2 with the Lung Endothelium: Similarities, Differences, and Implications for Therapy. <i>Viruses</i> , 2021, 13, 161.	1.5	17
56	Lung-protective mechanical ventilation strategies in ARDS. <i>Intensive Care Medicine</i> , 2000, 26, 1151-1155.	3.9	16
57	Ultrasound and Microbubbles for Targeted Drug Delivery to the Lung Endothelium in ARDS: Cellular Mechanisms and Therapeutic Opportunities. <i>Biomedicines</i> , 2021, 9, 803.	1.4	15
58	Should basic science matter to clinicians?. <i>Lancet, The</i> , 2018, 391, 410-412.	6.3	13
59	<i><i>Shuttling glucose across brain microvessels, with a little help from GLUT1 and AMP kinase</i>. Focus on AMP kinase regulation of sugar transport in brain capillary endothelial cells during acute metabolic stress</i> . <i>American Journal of Physiology - Cell Physiology</i> , 2012, 303, C803-C805.	2.1	12
60	Radiation Impacts Early Atherosclerosis by Suppressing Intimal LDL Accumulation. <i>Circulation Research</i> , 2021, 128, 530-543.	2.0	12
61	SOAP and sepsis”Analyzing what comes out in the wash*. <i>Critical Care Medicine</i> , 2006, 34, 552-554.	0.4	8
62	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.	1.1	8
63	ICU Cornerstone: changing our view of blood transfusions. <i>Critical Care</i> , 2002, 6, 291.	2.5	6
64	Update in Critical Care 2008. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 179, 743-758.	2.5	6
65	Acute Hypoxemic Respiratory Failure and ARDS. , 2016, , 1740-1760.e7.		6
66	Immunotherapy for Sepsis. <i>Anesthesiology</i> , 2018, 129, 5-7.	1.3	6
67	Tsr Chemoreceptor Interacts With IL-8 Provoking E. coli Transmigration Across Human Lung Epithelial Cells. <i>Scientific Reports</i> , 2016, 6, 31087.	1.6	5
68	Cigarette smoke augments CSF3 expression in neutrophils to compromise alveolar”capillary barrier function during influenza infection. <i>European Respiratory Journal</i> , 2022, 60, 2102049.	3.1	5
69	Update in Critical Care 2007. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 177, 808-819.	2.5	3
70	Is strengthening the endothelial barrier a therapeutic strategy for Ebola?. <i>International Journal of Infectious Diseases</i> , 2015, 36, 78-79.	1.5	2
71	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, 1165-1165.	2.5	2
72	Quantifying Endothelial Transcytosis with Total Internal Reflection Fluorescence Microscopy (TIRF). <i>Methods in Molecular Biology</i> , 2022, 2440, 115-124.	0.4	1

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73	In Reply. <i>Anesthesiology</i> , 2015, 122, 473-474.	1.3	0
74	The Endothelial Barrier Is not Rate-limiting to Insulin Action in the Myocardium of Male Mice. <i>Endocrinology</i> , 2020, 161, .	1.4	0
75	Transcytosis of insulin across microvascular endothelium. <i>FASEB Journal</i> , 2013, 27, 1154.11.	0.2	0
76	Mesenchymal Stromal Cell Microparticles Enhance Lung Endothelial Barrier Through CD44 and the S1P/ceramide Rheostat. <i>FASEB Journal</i> , 2018, 32, 917.4.	0.2	0
77	Induction And Regulation of Endogenous DARC Expression in Primary Human Endothelial Cells. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0