## Mark D Wewers

## List of Publications by Year in descending order

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124 papers 9,910 citations

41344 49 h-index 97 g-index

126 all docs

126 docs citations

126 times ranked 12960 citing authors

#	Article	IF	CITATIONS
1	Caspase-1-induced pyroptosis is an innate immune effector mechanism against intracellular bacteria. Nature Immunology, 2010, 11, 1136-1142.	14.5	1,074
2	Replacement Therapy for Alpha <sub>1</sub> -Antitrypsin Deficiency Associated with Emphysema. New England Journal of Medicine, 1987, 316, 1055-1062.	27.0	626
3	Vitamin E Acetate in Bronchoalveolar-Lavage Fluid Associated with EVALI. New England Journal of Medicine, 2020, 382, 697-705.	27.0	510
4	Inflammasome-Dependent Release of the Alarmin HMGB1 in Endotoxemia. Journal of Immunology, 2010, 185, 4385-4392.	0.8	397
5	A Novel P2X7 Receptor Activator, the Human Cathelicidin-Derived Peptide LL37, Induces IL-1Î <sup>2</sup> Processing and Release. Journal of Immunology, 2004, 172, 4987-4994.	0.8	391
6	Apigenin Blocks Lipopolysaccharide-Induced Lethality In Vivo and Proinflammatory Cytokines Expression by Inactivating NF-κB through the Suppression of p65 Phosphorylation. Journal of Immunology, 2007, 179, 7121-7127.	0.8	301
7	Immunoparalysis and nosocomial infection in children with multiple organ dysfunction syndrome. Intensive Care Medicine, 2011, 37, 525-532.	8.2	270
8	ATP-stimulated Release of Interleukin (IL)- $1\hat{l}^2$ and IL-18 Requires Priming by Lipopolysaccharide and Is Independent of Caspase-1 Cleavage. Journal of Biological Chemistry, 2001, 276, 3820-3826.	3.4	247
9	Inflammasome Priming by Lipopolysaccharide Is Dependent upon ERK Signaling and Proteasome Function. Journal of Immunology, 2014, 192, 3881-3888.	0.8	188
10	Internalization and phagosome escape required for Francisella to induce human monocyte IL-1Â processing and release. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 141-146.	7.1	181
11	Interleukin- $1\hat{l}^2$ Selectively Expands and Sustains Interleukin-22+ Immature Human Natural Killer Cells in Secondary Lymphoid Tissue. Immunity, 2010, 32, 803-814.	14.3	180
12	Autophagy stimulation by rapamycin suppresses lung inflammation and infection by <i>Burkholderia cenocepacia </i> in a model of cystic fibrosis. Autophagy, 2011, 7, 1359-1370.	9.1	180
13	Caspase-7 Activation by the NIrc4/Ipaf Inflammasome Restricts Legionella pneumophila Infection. PLoS Pathogens, 2009, 5, e1000361.	4.7	166
14	Treatment of Acute Respiratory Distress Syndrome with Recombinant Surfactant Protein C Surfactant. American Journal of Respiratory and Critical Care Medicine, 2003, 167, 1562-1566.	5.6	165
15	Caspase-11 Promotes the Fusion of Phagosomes Harboring Pathogenic Bacteria with Lysosomes by Modulating Actin Polymerization. Immunity, 2012, 37, 35-47.	14.3	164
16	Familial Idiopathic Pulmonary Fibrosis. New England Journal of Medicine, 1986, 314, 1343-1347.	27.0	162
17	A comparison of zinc metabolism, inflammation, and disease severity in critically ill infected and noninfected adults early after intensive care unit admission. American Journal of Clinical Nutrition, 2011, 93, 1356-1364.	4.7	151
18	Monocyte Derived Microvesicles Deliver a Cell Death Message via Encapsulated Caspase-1. PLoS ONE, 2009, 4, e7140.	2.5	144

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19	Lipopolysaccharide-Induced Macrophage Inflammatory Response Is Regulated by SHIP. Journal of Immunology, 2004, 173, 360-366.	0.8	142
20	Caspase-1 RegulatesEscherichia coliSepsis and Splenic B Cell Apoptosis Independently of Interleukin- $\hat{1}^2$ and Interleukin-18. American Journal of Respiratory and Critical Care Medicine, 2006, 174, 1003-1010.	5.6	142
21	Gene Expression Profiling Identifies MMP-12 and ADAMDEC1 as Potential Pathogenic Mediators of Pulmonary Sarcoidosis. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 929-938.	5.6	127
22	T cell–intrinsic ASC critically promotes TH17-mediated experimental autoimmune encephalomyelitis. Nature Immunology, 2016, 17, 583-592.	14.5	127
23	Pyrin Levels in Human Monocytes and Monocyte-Derived Macrophages Regulate IL- $\hat{\Pi}^2$ Processing and Release. Journal of Immunology, 2007, 179, 1274-1281.	0.8	125
24	Regulated Expression and Inhibitory Function of FcγRIIb in Human Monocytic Cells. Journal of Biological Chemistry, 2002, 277, 5082-5089.	3.4	120
25	ASC Directs NF-κB Activation by Regulating Receptor Interacting Protein-2 (RIP2) Caspase-1 Interactions. Journal of Immunology, 2006, 176, 4979-4986.	0.8	116
26	The Acute Respiratory Distress Syndrome. American Journal of Respiratory Cell and Molecular Biology, 2003, 28, 499-503.	2.9	115
27	Activation of the Pyrin Inflammasome by Intracellular <i>Burkholderia cenocepacia</i> Immunology, 2012, 188, 3469-3477.	0.8	115
28	Microarray Analysis of Human Monocytes Infected with Francisella tularensis Identifies New Targets of Host Response Subversion. PLoS ONE, 2008, 3, e2924.	2.5	110
29	Monocyte activation by necrotic cells is promoted by mitochondrial proteins and formyl peptide receptors. Critical Care Medicine, 2009, 37, 2000-2009.	0.9	102
30	Pathogenesis of Emphysema. Chest, 1989, 95, 190-195.	0.8	99
31	The Yersinia pestis Effector YopM Inhibits Pyrin Inflammasome Activation. PLoS Pathogens, 2016, 12, e1006035.	4.7	98
32	A Review of Pulmonary Toxicity of Electronic Cigarettes in the Context of Smoking: A Focus on Inflammation. Cancer Epidemiology Biomarkers and Prevention, 2017, 26, 1175-1191.	2.5	95
33	Pyrin Critical to Macrophage IL- $1\hat{l}^2$ Response to <i>Francisella</i> Challenge. Journal of Immunology, 2009, 182, 7982-7989.	0.8	91
34	Blood-Borne Lipopolysaccharide Is Rapidly Eliminated by Liver Sinusoidal Endothelial Cells via High-Density Lipoprotein. Journal of Immunology, 2016, 197, 2390-2399.	0.8	91
35	Respiratory Symptoms Among HIV-Seropositive Individualsa. Chest, 2003, 123, 1977-1982.	0.8	87
36	THE PATHOGENESIS OF SEPSIS. Clinics in Chest Medicine, 1996, 17, 183-197.	2.1	86

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37	Abnormal permeability of inner and outer mitochondrial membranes contributes independently to mitochondrial dysfunction in the liver during acute endotoxemia*. Critical Care Medicine, 2004, 32, 478-488.	0.9	85
38	Regulation of Monocyte Apoptosis by the Protein Kinase Cl´-dependent Phosphorylation of Caspase-3. Journal of Biological Chemistry, 2005, 280, 17371-17379.	3.4	80
39	Inflammasome mRNA Expression in Human Monocytes during Early Septic Shock. American Journal of Respiratory and Critical Care Medicine, 2008, 177, 983-988.	5.6	80
40	HIV-Associated Bronchiolitis Obliterans Organizing Pneumonia. Chest, 1989, 96, 197-198.	0.8	70
41	Macrophage Pro-Inflammatory Response to Francisella novicida Infection Is Regulated by SHIP. PLoS Pathogens, 2006, 2, e71.	4.7	67
42	Microparticulate Caspase 1 Regulates Gasdermin D and Pulmonary Vascular Endothelial Cell Injury. American Journal of Respiratory Cell and Molecular Biology, 2018, 59, 56-64.	2.9	66
43	Monocyte Caspase-1 Is Released in a Stable, Active High Molecular Weight Complex Distinct from the Unstable Cell Lysate-Activated Caspase-1. PLoS ONE, 2015, 10, e0142203.	2.5	60
44	Effects of Electronic Cigarette Constituents on the Human Lung: A Pilot Clinical Trial. Cancer Prevention Research, 2020, 13, 145-152.	1.5	60
45	Detection of IL-5 and IL-1 receptor antagonist in bronchoalveolar lavage fluid in acute eosinophilic pneumonia. Journal of Allergy and Clinical Immunology, 1996, 97, 1366-1374.	2.9	59
46	Sandwich ELISA formats designed to detect $17~\text{kDa~IL-1}\^{1}^2$ significantly underestimate $35~\text{kDa~IL-1}\^{1}^2$ . Journal of Immunological Methods, $1992$ , $148$ , $243$ - $254$ .	1.4	58
47	Apoptosis-associated Speck-like Protein (ASC) Controls Legionella pneumophila Infection in Human Monocytes. Journal of Biological Chemistry, 2011, 286, 3203-3208.	3.4	57
48	lκBζ augments IL-12– and IL-18–mediated IFN-γ production in human NK cells. Blood, 2011, 117, 2855-286	3.1.4	54
49	IL-16 Is Constitutively Present in Peripheral Blood Monocytes and Spontaneously Released During Apoptosis. Journal of Immunology, 2004, 172, 7721-7725.	0.8	52
50	Monocyte mRNA Phenotype and Adverse Outcomes From Pediatric Multiple Organ Dysfunction Syndrome. Pediatric Research, 2007, 62, 597-603.	2.3	51
51	P2X7 receptor and macrophage function. Purinergic Signalling, 2009, 5, 189-195.	2.2	50
52	IL-1Â: An endosomal exit. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10241-10242.	7.1	49
53	<i>Burkholderia cenocepacia</i> O polysaccharide chain contributes to caspase-1-dependent IL- $1\hat{l}^2$ production in macrophages. Journal of Leukocyte Biology, 2010, 89, 481-488.	3.3	48
54	Evaluation of recombinant DNA-directed E.coli produced $\hat{l}\pm 1$ -antitrypsin as an anti-neutrophil elastase for potential use as replacement therapy of $\hat{l}\pm 1$ -antitrypsin deficiency. Biochemical and Biophysical Research Communications, 1985, 130, 1177-1184.	2.1	46

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55	Supernatants from stored red blood cell (RBC) units, but not RBCâ€derived microvesicles, suppress monocyte function in vitro. Transfusion, 2015, 55, 1937-1945.	1.6	44
56	Biomarkers of Exposure and Effect in the Lungs of Smokers, Nonsmokers, and Electronic Cigarette Users. Cancer Epidemiology Biomarkers and Prevention, 2020, 29, 443-451.	2.5	43
57	Sepsis: Links between Pathogen Sensing and Organ Damage. Current Pharmaceutical Design, 2008, 14, 1840-1852.	1.9	42
58	Critical role for phosphoinositide 3-kinase gamma in parasite invasion and disease progression of cutaneous leishmaniasis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1251-1256.	7.1	42
59	Opposing Effect by Cytokines on Fas-Mediated Apoptosis in A549 Lung Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2002, 26, 58-66.	2.9	41
60	Microvesicular Caspase-1 Mediates Lymphocyte Apoptosis in Sepsis. PLoS ONE, 2014, 9, e90968.	2.5	39
61	Extracellular Regulation of Interleukin (IL)-1 $\hat{l}^2$ through Lung Epithelial Cells and Defective IL-1 Type II Receptor Expression. American Journal of Respiratory Cell and Molecular Biology, 1999, 20, 964-975.	2.9	38
62	HIV-1 Infection Does Not Impair Human Alveolar Macrophage Phagocytic Function Unless Combined With Cigarette Smoking. Chest, 2004, 125, 1071-1076.	0.8	38
63	Asc-Dependent and Independent Mechanisms Contribute to Restriction of Legionella Pneumophila Infection in Murine Macrophages. Frontiers in Microbiology, 2011, 2, 18.	3.5	37
64	Alpha-1 Antitrypsin Augmentation Therapy. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2013, 10, 64-67.	1.6	37
65	Ethanol and Other Short-Chain Alcohols Inhibit NLRP3 Inflammasome Activation through Protein Tyrosine Phosphatase Stimulation. Journal of Immunology, 2016, 197, 1322-1334.	0.8	37
66	Tumor Necrosis Factor and Endotoxin Do Not Directly Affect <i>In Vitro</i> Diaphragm Function. The American Review of Respiratory Disease, 1993, 148, 281-287.	2.9	36
67	Oxidatively Modified Low Density Lipoprotein (LDL) Inhibits TLR2 and TLR4 Cytokine Responses in Human Monocytes but Not in Macrophages. Journal of Biological Chemistry, 2012, 287, 23479-23488.	3.4	36
68	Mononuclear Phagocyte-Derived Microparticulate Caspase-1 Induces Pulmonary Vascular Endothelial Cell Injury. PLoS ONE, 2015, 10, e0145607.	2.5	36
69	Francisella Recognition by Inflammasomes: Differences between Mice and Men. Frontiers in Microbiology, $2011, 2, 11$ .	3.5	33
70	Mycobacterium tuberculosis Cell Wall Fragments Released upon Bacterial Contact with the Human Lung Mucosa Alter the Neutrophil Response to Infection. Frontiers in Immunology, 2017, 8, 307.	4.8	33
71	Cyclosporin A ameliorates mitochondrial ultrastructural injury in the ileum during acute endotoxemia*. Critical Care Medicine, 2002, 30, 2722-2728.	0.9	31
72	Mycoplasma Suppression of THP-1 Cell TLR Responses Is Corrected with Antibiotics. PLoS ONE, 2010, 5, e9900.	2.5	31

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73	BAL and Serum IgG Levels in Healthy Asymptomatic HIV-Infected Patients. Chest, 2001, 119, 196-203.	0.8	30
74	MAIL Regulates Human Monocyte IL-6 Production. Journal of Immunology, 2009, 183, 5358-5368.	0.8	30
75	Electronic versus Combustible Cigarette Effects on Inflammasome Component Release into Human Lung. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 922-925.	5.6	28
76	Lipid laden macrophages and electronic cigarettes in healthy adults. EBioMedicine, 2020, 60, 102982.	6.1	28
77	Janus Kinase 3 Down-Regulates Lipopolysaccharide-Induced IL-1β-Converting Enzyme Activation by Autocrine IL-10. Journal of Immunology, 2004, 172, 4948-4955.	0.8	26
78	Adiponectin Inhibits Superoxide Generation by Human Neutrophils. Antioxidants and Redox Signaling, 2006, 8, 2179-2186.	5.4	26
79	Virulent Type A Francisella tularensis actively suppresses cytokine responses in human monocytes. Frontiers in Cellular and Infection Microbiology, 2014, 4, 45.	3.9	26
80	House Dust Mite Allergens and the Induction of Monocyte Interleukin $1\hat{l}^2$ Production That Triggers an $\hat{l}^0$ B $\hat{l}^0$ -Dependent Granulocyte Macrophage Colony-Stimulating Factor Release from Human Lung Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 400-411.	2.9	26
81	lκBζ Regulates Human Monocyte Pro-Inflammatory Responses Induced by Streptococcus pneumoniae. PLoS ONE, 2016, 11, e0161931.	2.5	24
82	Inflammasome Priming Is Similar for Francisella Species That Differentially Induce Inflammasome Activation. PLoS ONE, 2015, 10, e0127278.	2.5	21
83	The Protease Theory of Emphysema. Annals of Internal Medicine, 1987, 107, 761.	3.9	20
84	Failure to recover somatotropic axis function is associated with mortality from pediatric sepsis-induced multiple organ dysfunction syndrome*. Pediatric Critical Care Medicine, 2010, 11, 18-25.	0.5	20
85	Regional Differences in Emphysema Scores and BAL Glutathione Levels in HIV-Infected Individuals. Chest, 2004, 126, 1439-1442.	0.8	19
86	Tyrosine phosphatase inhibition induces an ASC-dependent pyroptosis. Biochemical and Biophysical Research Communications, 2012, 425, 384-389.	2.1	19
87	Analysis of Human Bronchial Epithelial Cell Proinflammatory Response to Burkholderia cenocepacia Infection. Journal of Biological Chemistry, 2013, 288, 3691-3695.	3.4	19
88	Clinical Implications of Gene Therapy for Alpha1-Antitrypsin Deficiency. Chest, 1995, 107, 535-545.	0.8	18
89	Interleukin-4–Induced Apoptosis Entails Caspase Activation and Suppression of Extracellular Signal–Regulated Kinase Phosphorylation. American Journal of Respiratory Cell and Molecular Biology, 2003, 29, 367-374.	2.9	18
90	A synergistic role for IL-1Î <sup>2</sup> and TNFα in monocyte-derived IFNÎ <sup>3</sup> inducing activity. Cytokine, 2008, 44, 234-241.	3.2	18

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91	A Novel Role for lîºBî¶ in the Regulation of IFNî³ Production. PLoS ONE, 2009, 4, e6776.	2.5	17
92	Acute Occlusion of a Mainstem Bronchus by a Rapidly Expanding Foreign Body. Chest, 1994, 105, 1600-1602.	0.8	16
93	Sequential processing of human ProIL-1beta by caspase-1 and subsequent folding determined by a combined in vitro and in silico approach. Pharmaceutical Research, 2001, 18, 1083-1090.	3.5	16
94	ELISA Detection of IL- $\hat{\mathbb{I}}^2$ in Human Sera Needs Independent Confirmation: False Positives in Hospitalized Patients. The American Review of Respiratory Disease, 1993, 147, 139-142.	2.9	15
95	Interleukin-1 and Interferon-γ Orchestrate β-Glucan-Activated Human Dendritic Cell Programming via lκB-ζ Modulation. PLoS ONE, 2014, 9, e114516.	2.5	14
96	Processing prolL- $1\hat{l}^2$ decreases detection by a prolL- $1\hat{l}^2$ specific ELISA but increases detection by a conventional ELISA. Journal of Immunological Methods, 1993, 165, 269-278.	1.4	13
97	Complement Receptor 3-Mediated Inhibition of Inflammasome Priming by Ras GTPase-Activating Protein During Francisella tularensis Phagocytosis by Human Mononuclear Phagocytes. Frontiers in Immunology, 2018, 9, 561.	4.8	13
98	Acute myocardial infarction with cardiogenic shock during pregnancy. Critical Care Medicine, 1990, 18, 888.	0.9	12
99	Receptor Interacting Protein-2 Plays a Critical Role in Human Lung Epithelial Cells Survival in Response to Fas-Induced Cell-Death. PLoS ONE, 2014, 9, e92731.	2.5	12
100	Circulating Gasdermin-D in Critically III Patients. , 2019, 1, e0039.		11
101	Inflammasome Adaptor ASC Is Highly Elevated in Lung Over Plasma and Relates to Inflammation and Lung Diffusion in the Absence of Speck Formation. Frontiers in Immunology, 2020, 11, 461.	4.8	10
102	Tumor Necrosis Factor Increases the Elastolytic Potential of Adherent Neutrophils: A Role for Hypochlorous Acid. American Journal of Respiratory Cell and Molecular Biology, 1993, 9, 386-392.	2.9	9
103	Role of the antibody in the pathogenesis of transplant vascular sclerosis: a hypothesis. Transplant Immunology, 1997, 5, 283-288.	1.2	9
104	Lung CD4 Lymphocytes Predict Survival in Asymptomatic HIV Infection. Chest, 2005, 128, 2262-2267.	0.8	9
105	Modifications of Pseudomonas aeruginosa cell envelope in the cystic fibrosis airway alters interactions with immune cells. Scientific Reports, 2017, 7, 4761.	3.3	9
106	Alpha 1-Antitrypsin Does Not Inhibit Human Monocyte Caspase-1. PLoS ONE, 2015, 10, e0117330.	2.5	8
107	Detection of soluble type II receptor in the presence of its natural ligand IL- $1\hat{l}^2$ Quantification by sandwich ELISA. Journal of Immunological Methods, 1995, 185, 115-122.	1.4	7
108	cAbl Kinase Regulates Inflammasome Activation and Pyroptosis via ASC Phosphorylation. Journal of Immunology, 2021, 206, 1329-1336.	0.8	7

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109	Inflammasome Activation in an In Vitro Sepsis Model Recapitulates Increased Monocyte Distribution Width Seen in Patients With Sepsis., 2022, 4, e0631.		7
110	Saliva and Lung Microbiome Associations with Electronic Cigarette Use and Smoking. Cancer Prevention Research, 2022, 15, 435-446.	1.5	6
111	α 1 -Antitrypsin Deficiency. Chest, 2004, 125, 1607-1609.	0.8	5
112	Phospholipase A2 Activation by Poultry Particulate Matter is Mediated Through Extracellular Signal-Regulated Kinase in Lung Epithelial Cells: Regulation of Interleukin-8 Release. Cell Biochemistry and Biophysics, 2013, 67, 415-429.	1.8	5
113	The central inflammasome adaptor protein ASC activates the inflammasome after transition from a soluble to an insoluble state. Journal of Biological Chemistry, 2022, 298, 102024.	3.4	5
114	Haemophilus influenzae Infection of an Existing Lung Cyst. Southern Medical Journal, 1982, 75, 736-737.	0.7	3
115	Induction of Interleukin-8 Release by Lung Epithelium with Cystic Fibrosis Epithelial Lining Fluid Is Marginally Affected by Inhibitors of Interleukin- $1\hat{l}^2$ . Pharmacotherapy, 2000, 20, 64-74.	2.6	2
116	Francisella induced microparticulate caspase-1/gasdermin-D activation is regulated by NLRP3 independent of Pyrin. PLoS ONE, 2018, 13, e0209931.	2.5	2
117	Electronic Cigarettes and the Lung Proteome. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1350-1351.	5.6	1
118	INTERLEUKIN 6 (IL6) AND INDUCTION OF PROLONGED MONOCYTE DEACTIVATION (PMD). Critical Care Medicine, 2004, 32, A133.	0.9	0
119	Rare Complication of Aortic Aneurysm Repair. Chest, 2012, 142, 30A.	0.8	0
120	The Great Imitator Gets Us Again (Multiple Pulmonary Nodules in Syphilis). Chest, 2014, 146, 129A.	0.8	0
121	DISULFIRAM EXERTS DOSE-DEPENDENT ACTIVATING AND INHIBITORY EFFECTS ON THE HUMAN INFLAMMASOME. Chest, 2021, 160, A1083.	0.8	0
122	The Stage-Specific Effect of Interleukin-1 Beta (IL- $1\hat{l}^2$ ) during Human Natural Killer Cell Development. Blood, 2008, 112, 3746-3746.	1.4	0
123	Brief Report: Increased Cotinine Concentrations are Associated With Reduced Expression of Cathelicidin (LL-37) and NOD-2 in Alveolar Macrophages of PLWH Who Smoke. Journal of Acquired Immune Deficiency Syndromes (1999), 2020, 85, 670-673.	2.1	0
124	1419: BLOOD COLLECTION IN HEPARIN YIELDS HIGHER VALUES FOR MONOCYTE DISTRIBUTION WIDTH VERSUS EDTA. Critical Care Medicine, 2022, 50, 712-712.	0.9	0