

Alex F De Vos

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

3,000
citations

279798

23
h-index

182427

51
g-index

82
all docs

82
docs citations

82
times ranked

5541
citing authors

#	ARTICLE	IF	CITATIONS
1	The gut microbiota plays a protective role in the host defence against pneumococcal pneumonia. <i>Gut</i> , 2016, 65, 575-583.	12.1	601
2	Mitochondrial Dysfunction Prevents Repolarization of Inflammatory Macrophages. <i>Cell Reports</i> , 2016, 17, 684-696.	6.4	595
3	LAG-3 Inhibitory Receptor Expression Identifies Immunosuppressive Natural Regulatory Plasma Cells. <i>Immunity</i> , 2018, 49, 120-133.e9.	14.3	190
4	Myeloid-Related Protein-14 Contributes to Protective Immunity in Gram-Negative Pneumonia Derived Sepsis. <i>PLoS Pathogens</i> , 2012, 8, e1002987.	4.7	123
5	Role of Peptidylarginine Deiminase 4 in Neutrophil Extracellular Trap Formation and Host Defense during <i>Klebsiella pneumoniae</i> -Induced Pneumonia-Derived Sepsis. <i>Journal of Immunology</i> , 2018, 201, 1241-1252.	0.8	96
6	In Vivo Lipopolysaccharide Exposure of Human Blood Leukocytes Induces Cross-Tolerance to Multiple TLR Ligands. <i>Journal of Immunology</i> , 2009, 183, 533-542.	0.8	89
7	Intravenous Infusion of Human Adipose Mesenchymal Stem Cells Modifies the Host Response to Lipopolysaccharide in Humans: A Randomized, Single-Blind, Parallel Group, Placebo Controlled Trial. <i>Stem Cells</i> , 2018, 36, 1778-1788.	3.2	70
8	Antibiotic-induced gut microbiota disruption during human endotoxemia: a randomised controlled study. <i>Gut</i> , 2017, 66, 1623-1630.	12.1	69
9	Platelet glycoprotein VI aids in local immunity during pneumonia-derived sepsis caused by gram-negative bacteria. <i>Blood</i> , 2018, 131, 864-876.	1.4	66
10	STIMULATION OF α_7 CHOLINERGIC RECEPTORS INHIBITS LIPOPOLYSACCHARIDE-INDUCED NEUTROPHIL RECRUITMENT BY A TUMOR NECROSIS FACTOR α_1 -INDEPENDENT MECHANISM. <i>Shock</i> , 2007, 27, 443-447.	2.1	57
11	Investigational treatment of rheumatoid arthritis with a vibrotactile device applied to the external ear. <i>Bioelectronic Medicine</i> , 2019, 5, 4.	2.3	55
12	Btk inhibitor ibrutinib reduces inflammatory myeloid cell responses in the lung during murine pneumococcal pneumonia. <i>Molecular Medicine</i> , 2019, 25, 3.	4.4	53
13	Protease-activated receptor-2 deficient mice have reduced house dust mite-evoked allergic lung inflammation. <i>Innate Immunity</i> , 2014, 20, 618-625.	2.4	52
14	Nur77-deficiency in bone marrow-derived macrophages modulates inflammatory responses, extracellular matrix homeostasis, phagocytosis and tolerance. <i>BMC Genomics</i> , 2016, 17, 162.	2.8	38
15	Myeloid-related protein-8/14 facilitates bacterial growth during pneumococcal pneumonia. <i>Thorax</i> , 2014, 69, 1034-1042.	5.6	36
16	The gut microbiota as a modulator of innate immunity during melioidosis. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005548.	3.0	36
17	Expression and Function of S100A8/A9 (Calprotectin) in Human Typhoid Fever and the Murine Salmonella Model. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003663.	3.0	31
18	Lung epithelial MyD88 drives early pulmonary clearance of <i>Pseudomonas aeruginosa</i> by a flagellin dependent mechanism. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L219-L228.	2.9	30

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19	Human Adipose-Derived Mesenchymal Stem Cells Modify Lung Immunity and Improve Antibacterial Defense in Pneumosepsis Caused by <i>Klebsiella pneumoniae</i> . <i>Stem Cells Translational Medicine</i> , 2019, 8, 785-796.	3.3	30
20	Granzymes A and B Regulate the Local Inflammatory Response during <i>Klebsiella pneumoniae</i> ; <i>Pneumonia</i> . <i>Journal of Innate Immunity</i> , 2016, 8, 258-268.	3.8	28
21	Myeloid-related protein-14 deficiency promotes inflammation in staphylococcal pneumonia. <i>European Respiratory Journal</i> , 2015, 46, 464-473.	6.7	26
22	Receptor for Advanced Glycation End Products (RAGE) Serves a Protective Role during <i>Klebsiella pneumoniae</i> - Induced Pneumonia. <i>PLoS ONE</i> , 2016, 11, e0141000.	2.5	26
23	The Polysaccharide Capsule of <i>Streptococcus pneumoniae</i> Partially Impedes MyD88-Mediated Immunity during Pneumonia in Mice. <i>PLoS ONE</i> , 2015, 10, e0118181.	2.5	25
24	ASC and NLRP3 impair host defense during lethal pneumonia caused by serotype 3 <i>Streptococcus pneumoniae</i> in mice. <i>European Journal of Immunology</i> , 2018, 48, 66-79.	2.9	25
25	Hematopoietic but Not Endothelial Cell MyD88 Contributes to Host Defense during Gram-negative Pneumonia Derived Sepsis. <i>PLoS Pathogens</i> , 2014, 10, e1004368.	4.7	23
26	Expression and Function of Granzymes A and B in <i>Escherichia coli</i> Peritonitis and Sepsis. <i>Mediators of Inflammation</i> , 2017, 2017, 1-11.	3.0	22
27	Endoplasmic reticulum chaperone gp96 in macrophages is essential for protective immunity during Gram-negative pneumonia. <i>Journal of Pathology</i> , 2016, 238, 74-84.	4.5	21
28	Delineation of the Role of Toll-like Receptor Signaling during Peritonitis by a Gradually Growing Pathogenic <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 36603-36618.	3.4	20
29	Differential Roles of MyD88 and TRIF in Hematopoietic and Resident Cells During Murine Gram-Negative Pneumonia. <i>Journal of Infectious Diseases</i> , 2012, 206, 1415-1423.	4.0	20
30	Differential Toll-Like Receptor-Signalling of <i>Burkholderia pseudomallei</i> Lipopolysaccharide in Murine and Human Models. <i>PLoS ONE</i> , 2015, 10, e0145397.	2.5	20
31	Granzyme A impairs host defense during <i>Streptococcus pneumoniae</i> pneumonia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L507-L516.	2.9	20
32	Antibiotic-Induced Gut Microbiota Disruption Decreases TNF- α Release by Mononuclear Cells in Healthy Adults. <i>Clinical and Translational Gastroenterology</i> , 2016, 7, e186.	2.5	18
33	Neutrophils mitigate the systemic host response during endotoxemia in mice. <i>Immunology</i> , 2019, 156, 277-281.	4.4	17
34	Effect of antibiotic gut microbiota disruption on LPS-induced acute lung inflammation. <i>PLoS ONE</i> , 2020, 15, e0241748.	2.5	17
35	Activated protein C inhibits neutrophil migration in allergic asthma: a randomised trial. <i>European Respiratory Journal</i> , 2015, 46, 1636-1644.	6.7	16
36	Role of tissue factor in the procoagulant and antibacterial effects of human adipose-derived mesenchymal stem cells during pneumosepsis in mice. <i>Stem Cell Research and Therapy</i> , 2019, 10, 286.	5.5	16

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37	Triggering Receptor Expressed on Myeloid Cells (TREM)-2 Impairs Host Defense in Experimental Melioidosis. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004747.	3.0	15
38	Adherence Affects Monocyte Innate Immune Function and Metabolic Reprogramming after Lipopolysaccharide Stimulation In Vitro. <i>Journal of Immunology</i> , 2021, 206, 827-838.	0.8	15
39	CEBPD Potentiates the Macrophage Inflammatory Response but CEBPD Knock-Out Macrophages Fail to Identify CEBPD-Dependent Pro-Inflammatory Transcriptional Programs. <i>Cells</i> , 2021, 10, 2233.	4.1	15
40	Thrombocytopenia Impairs Host Defense Against <i>Burkholderia pseudomallei</i> (Melioidosis). <i>Journal of Infectious Diseases</i> , 2019, 219, 648-659.	4.0	14
41	Increased intra- and extracellular granzyme expression in patients with tuberculosis. <i>Tuberculosis</i> , 2015, 95, 575-580.	1.9	13
42	Bronchial Epithelial Tet2 Maintains Epithelial Integrity during Acute <i>Pseudomonas aeruginosa</i> Pneumonia. <i>Infection and Immunity</i> , 2020, 89, .	2.2	13
43	Toll-Like Receptor 9 Enhances Bacterial Clearance and Limits Lung Consolidation in Murine Pneumonia Caused by Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Molecular Medicine</i> , 2016, 22, 292-299.	4.4	12
44	Association of Myeloid Liver Kinase B1 Depletion With a Reduction in Alveolar Macrophage Numbers and an Impaired Host Defense During Gram-Negative Pneumonia. <i>Journal of Infectious Diseases</i> , 2022, 225, 1284-1295.	4.0	12
45	Vendor effects on murine gut microbiota and its influence on lipopolysaccharide-induced lung inflammation and Gram-negative pneumonia. <i>Intensive Care Medicine Experimental</i> , 2020, 8, 47.	1.9	12
46	Complement factor C5 inhibition reduces type 2 responses without affecting group 2 innate lymphoid cells in a house dust mite induced murine asthma model. <i>Respiratory Research</i> , 2019, 20, 165.	3.6	11
47	Caspase-11 contributes to pulmonary host defense against <i>Klebsiella pneumoniae</i> and local activation of coagulation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L105-L114.	2.9	11
48	Kinase activity is impaired in neutrophils of sepsis patients. <i>Haematologica</i> , 2019, 104, e233-e235.	3.5	10
49	Prekallikrein inhibits innate immune signaling in the lung and impairs host defense during pneumosepsis in mice. <i>Journal of Pathology</i> , 2020, 250, 95-106.	4.5	10
50	Interleukin-33 improves local immunity during Gram-negative pneumonia by a combined effect on neutrophils and inflammatory monocytes. <i>Journal of Pathology</i> , 2021, 253, 374-383.	4.5	10
51	Tenascin-C Deficiency Is Associated With Reduced Bacterial Outgrowth During <i>Klebsiella pneumoniae</i> -Evoked Pneumosepsis in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 600979.	4.8	10
52	Bronchial epithelial DNA methyltransferase 3b dampens pulmonary immune responses during <i>Pseudomonas aeruginosa</i> infection. <i>PLoS Pathogens</i> , 2021, 17, e1009491.	4.7	10
53	Human alveolar macrophages do not rely on glucose metabolism upon activation by lipopolysaccharide. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166488.	3.8	9
54	Epithelial Myeloid-Differentiation Factor 88 Is Dispensable during <i>Klebsiella</i> Pneumonia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 648-656.	2.9	8

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55	Comparison of inhibitory effects of irreversible and reversible Btk inhibitors on platelet function. <i>EJHaem</i> , 2021, 2, 685-699.	1.0	8
56	Tenascin C Has a Modest Protective Effect on Acute Lung Pathology during Methicillin-Resistant <i>Staphylococcus aureus</i> -Induced Pneumonia in Mice. <i>Microbiology Spectrum</i> , 2021, 9, e0020721.	3.0	8
57	Role of Toll-Like Receptor 5 (TLR5) in Experimental Melioidosis. <i>Infection and Immunity</i> , 2019, 87, .	2.2	7
58	Platelet-Dense Granules Worsen Pre-Infection Thrombocytopenia during Gram-Negative Pneumonia-Derived Sepsis. <i>Journal of Innate Immunity</i> , 2019, 11, 168-180.	3.8	7
59	Hypoxia-Inducible Factor-1 α in Macrophages, but Not in Neutrophils, Is Important for Host Defense during <i>Klebsiella pneumoniae</i> -Induced Pneumosepsis. <i>Mediators of Inflammation</i> , 2021, 2021, 1-12.	3.0	7
60	Role of Nucleotide-Binding Oligomerization Domain-Containing (NOD) 2 in Host Defense during Pneumococcal Pneumonia. <i>PLoS ONE</i> , 2015, 10, e0145138.	2.5	6
61	Platelet Btk is Required for Maintaining Lung Vascular Integrity during Murine Pneumococcal Pneumosepsis. <i>Thrombosis and Haemostasis</i> , 2019, 119, 930-940.	3.4	6
62	Role of Myeloid Tet Methylcytosine Dioxygenase 2 in Pulmonary and Peritoneal Inflammation Induced by Lipopolysaccharide and Peritonitis Induced by <i>Escherichia coli</i> . <i>Cells</i> , 2022, 11, 82.	4.1	6
63	The receptor for advanced glycation end products promotes bacterial growth at distant body sites in <i>Staphylococcus aureus</i> skin infection. <i>Microbes and Infection</i> , 2015, 17, 622-627.	1.9	5
64	The impact of HIV infection on blood leukocyte responsiveness to bacterial stimulation in asymptomatic patients and patients with bloodstream infection. <i>Journal of the International AIDS Society</i> , 2016, 19, 20759.	3.0	5
65	SIRP-1 α instructs alveolar macrophages to stop eating after pneumonia. <i>Nature Immunology</i> , 2020, 21, 601-603.	14.5	5
66	Post-treatment with the PPAR- γ agonist pioglitazone inhibits inflammation and bacterial growth during <i>Klebsiella pneumoniae</i> . <i>Respiratory Research</i> , 2021, 22, 230.	3.6	5
67	Bruton's Tyrosine Kinase-Mediated Signaling in Myeloid Cells Is Required for Protective Innate Immunity During Pneumococcal Pneumonia. <i>Frontiers in Immunology</i> , 2021, 12, 723967.	4.8	5
68	HIVEP1 Is a Negative Regulator of NF- κ B That Inhibits Systemic Inflammation in Sepsis. <i>Frontiers in Immunology</i> , 2021, 12, 744358.	4.8	5
69	Kininogen deficiency or depletion reduces enhanced pause independent of pulmonary inflammation in a house dust mite-induced murine asthma model. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 316, L187-L196.	2.9	4
70	Effect of C1 α inhibitor in adults with mild asthma: A randomized controlled trial. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 953-955.	5.7	4
71	Transcriptional changes in alveolar macrophages from adults with asthma after allergen challenge. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 2218-2222.	5.7	4
72	Induction of Acute or Disseminating Bacterial Pneumonia in Mice and Sampling of Infected Organs for Studying the Host Response to Bacterial Pneumonia. <i>Bio-protocol</i> , 2022, 12, e4287.	0.4	4

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73	Flagellin induces innate immune genes in bronchial epithelial cells in vivo: Role of TET2. <i>Scandinavian Journal of Immunology</i> , 2021, 94, e13046.	2.7	3
74	The PPAR- β agonist pioglitazone exerts proinflammatory effects in bronchial epithelial cells during acute <i>Pseudomonas aeruginosa</i> pneumonia. <i>Clinical and Experimental Immunology</i> , 2022, 207, 370-377.	2.6	3
75	Differences in Inflammation Patterns Induced by African and Asian <i>Burkholderia pseudomallei</i> Isolates in Mice. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017, 96, 1365-1369.	1.4	2
76	HIF-1 α Stabilization in Flagellin-Stimulated Human Bronchial Cells Impairs Barrier Function. <i>Cells</i> , 2022, 11, 391.	4.1	2
77	DNA Methyltransferase 3b in Myeloid Cells Does Not Affect the Acute Immune Response in the Airways during <i>Pseudomonas</i> Pneumonia. <i>Cells</i> , 2022, 11, 787.	4.1	1
78	Bruton's Tyrosine Kinase in Neutrophils Is Crucial for Host Defense against <i>Klebsiella pneumoniae</i> . <i>Journal of Innate Immunity</i> , 2023, 15, 1-15.	3.8	1
79	C3a signaling is not involved in eosinophil migration during experimental allergic lung inflammation in mice. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 934-936.	5.7	0
80	Intracellular expression of granzymes A, B, K and M in blood lymphocyte subsets of critically ill patients with or without sepsis. <i>Clinical and Experimental Immunology</i> , 2021, 205, 222-231.	2.6	0
81	Myeloid cell tet methylcytosine dioxygenase 2 does not affect the host response during gram-negative bacterial pneumonia and sepsis. <i>Cytokine</i> , 2022, 154, 155876.	3.2	0
82	Bruton's Tyrosine Kinase Deficiency Ameliorates Antimicrobial Host Defense during Peritonitis Induced by Pathogenic <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2022, , e0067421.	2.2	0