Alex F De Vos

List of Publications by Year
in descending order

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	Brutonâ€™s Tyrosine Kinase in Neutrophils Is Crucial for Host Defense against <i>Klebsiella pneumoniae</i>. Journal of Innate Immunity, 2023, 15, 1-15.	3.8	1
2	Association of Myeloid Liver Kinase B1 Depletion With a Reduction in Alveolar Macrophage Numbers and an Impaired Host Defense During Gram-Negative Pneumonia. Journal of Infectious Diseases, 2022, 225, 1284-1295.	4.0	12
3	The PPAR-Î³ agonist pioglitazone exerts proinflammatory effects in bronchial epithelial cells during acute Pseudomonas aeruginosa pneumonia. Clinical and Experimental Immunology, 2022, 207, 370-377.	2.6	3
4	Induction of Acute or Disseminating Bacterial Pneumonia in Mice and Sampling of Infected Organs for Studying the Host Response to Bacterial Pneumonia. Bio-protocol, 2022, 12, e4287.	0.4	4
5	HIF-1Î± Stabilization in Flagellin-Stimulated Human Bronchial Cells Impairs Barrier Function. Cells, 2022, 11, 391.	4.1	2
6	DNA Methyltransferase 3b in Myeloid Cells Does Not Affect the Acute Immune Response in the Airways during Pseudomonas Pneumonia. Cells, 2022, 11, 787.	4.1	1
7	Myeloid cell tet methylcytosine dioxygenase 2 does not affect the host response during gram-negative bacterial pneumonia and sepsis. Cytokine, 2022, 154, 155876.	3.2	0
8	Role of Myeloid Tet Methylcytosine Dioxygenase 2 in Pulmonary and Peritoneal Inflammation Induced by Lipopolysaccharide and Peritonitis Induced by Escherichia coli. Cells, 2022, 11, 82.	4.1	6
9	Brutonâ€™s Tyrosine Kinase Deficiency Ameliorates Antimicrobial Host Defense during Peritonitis Induced by Pathogenic Escherichia coli. Infection and Immunity, 2022, , e0067421.	2.2	0
10	Human alveolar macrophages do not rely on glucose metabolism upon activation by lipopolysaccharide. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166488.	3.8	9
11	Interleukinâ€33 improves local immunity during Gramâ€negative pneumonia by a combined effect on neutrophils and inflammatory monocytes. Journal of Pathology, 2021, 253, 374-383.	4.5	10
12	Adherence Affects Monocyte Innate Immune Function and Metabolic Reprogramming after Lipopolysaccharide Stimulation In Vitro. Journal of Immunology, 2021, 206, 827-838.	0.8	15
13	Tenascin-C Deficiency Is Associated With Reduced Bacterial Outgrowth During Klebsiella pneumoniae-Evoked Pneumosepsis in Mice. Frontiers in Immunology, 2021, 12, 600979.	4.8	10
14	Bronchial epithelial DNA methyltransferase 3b dampens pulmonary immune responses during Pseudomonas aeruginosa infection. PLoS Pathogens, 2021, 17, e1009491.	4.7	10
15	Flagellin induces innate immune genes in bronchial epithelial cells in vivo: Role of TET2. Scandinavian Journal of Immunology, 2021, 94, e13046.	2.7	3
16	Intracellular expression of granzymes A, B, K and M in blood lymphocyte subsets of critically ill patients with or without sepsis. Clinical and Experimental Immunology, 2021, 205, 222-231.	2.6	0
17	CEBPD Potentiates the Macrophage Inflammatory Response but CEBPD Knock-Out Macrophages Fail to Identify CEBPD-Dependent Pro-Inflammatory Transcriptional Programs. Cells, 2021, 10, 2233.	4.1	15
18	Post-treatment with the PPAR-Î³ agonist pioglitazone inhibits inflammation and bacterial growth during Klebsiella pneumonia. Respiratory Research, 2021, 22, 230.	3.6	5

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19	Comparison of inhibitory effects of irreversible and reversible Btk inhibitors on platelet function. EJHaem, 2021, 2, 685-699.	1.0	8
20	Hypoxia-Inducible Factor-1Î± in Macrophages, but Not in Neutrophils, Is Important for Host Defense during Klebsiella pneumoniae-Induced Pneumosepsis. Mediators of Inflammation, 2021, 2021, 1-12.	3.0	7
21	Brutonâ€™s Tyrosine Kinase-Mediated Signaling in Myeloid Cells Is Required for Protective Innate Immunity During Pneumococcal Pneumonia. Frontiers in Immunology, 2021, 12, 723967.	4.8	5
22	Tenascin C Has a Modest Protective Effect on Acute Lung Pathology during Methicillin-Resistant Staphylococcus aureus-Induced Pneumonia in Mice. Microbiology Spectrum, 2021, 9, e0020721.	3.0	8
23	Transcriptional changes in alveolar macrophages from adults with asthma after allergen challenge. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 2218-2222.	5.7	4
24	HIVEP1 Is a Negative Regulator of NF-ÎºB That Inhibits Systemic Inflammation in Sepsis. Frontiers in Immunology, 2021, 12, 744358.	4.8	5
25	Prekallikrein inhibits innate immune signaling in the lung and impairs host defense during pneumosepsis in mice. Journal of Pathology, 2020, 250, 95-106.	4.5	10
26	C3a signaling is not involved in eosinophil migration during experimental allergic lung inflammation in mice. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 934-936.	5.7	0
27	Effect of C1â€inhibitor in adults with mild asthma: A randomized controlled trial. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 953-955.	5.7	4
28	Bronchial Epithelial Tet2 Maintains Epithelial Integrity during Acute Pseudomonas aeruginosa Pneumonia. Infection and Immunity, 2020, 89, .	2.2	13
29	SIRP-Î± instructs alveolar macrophages to stop eating after pneumonia. Nature Immunology, 2020, 21, 601-603.	14.5	5
30	Caspase-11 contributes to pulmonary host defense against Klebsiella pneumoniae and local activation of coagulation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L105-L114.	2.9	11
31	Vendor effects on murine gut microbiota and its influence on lipopolysaccharide-induced lung inflammation and Gram-negative pneumonia. Intensive Care Medicine Experimental, 2020, 8, 47.	1.9	12
32	Effect of antibiotic gut microbiota disruption on LPS-induced acute lung inflammation. PLoS ONE, 2020, 15, e0241748.	2.5	17
33	Complement factor C5 inhibition reduces type 2 responses without affecting group 2 innate lymphoid cells in a house dust mite induced murine asthma model. Respiratory Research, 2019, 20, 165.	3.6	11
34	Role of tissue factor in the procoagulant and antibacterial effects of human adipose-derived mesenchymal stem cells during pneumosepsis in mice. Stem Cell Research and Therapy, 2019, 10, 286.	5.5	16
35	Role of Toll-Like Receptor 5 (TLR5) in Experimental Melioidosis. Infection and Immunity, 2019, 87, .	2.2	7
36	Investigational treatment of rheumatoid arthritis with a vibrotactile device applied to the external ear. Bioelectronic Medicine, 2019, 5, 4.	2.3	55

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37	Human Adipose-Derived Mesenchymal Stem Cells Modify Lung Immunity and Improve Antibacterial Defense in Pneumosepsis Caused by Klebsiella pneumoniae. Stem Cells Translational Medicine, 2019, 8, 785-796.	3.3	30
38	Platelet Btk is Required for Maintaining Lung Vascular Integrity during Murine Pneumococcal Pneumosepsis. Thrombosis and Haemostasis, 2019, 119, 930-940.	3.4	6
39	Neutrophils mitigate the systemic host response during endotoxemia in mice. Immunology, 2019, 156, 277-281.	4.4	17
40	Btk inhibitor ibrutinib reduces inflammatory myeloid cell responses in the lung during murine pneumococcal pneumonia. Molecular Medicine, 2019, 25, 3.	4.4	53
41	Platelet-Dense Granules Worsen Pre-Infection Thrombocytopenia during Gram-Negative Pneumonia-Derived Sepsis. Journal of Innate Immunity, 2019, 11, 168-180.	3.8	7
42	Kininogen deficiency or depletion reduces enhanced pause independent of pulmonary inflammation in a house dust mite-induced murine asthma model. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L187-L196.	2.9	4
43	Thrombocytopenia Impairs Host Defense AgainstBurkholderia pseudomallei(Melioidosis). Journal of Infectious Diseases, 2019, 219, 648-659.	4.0	14
44	Kinase activity is impaired in neutrophils of sepsis patients. Haematologica, 2019, 104, e233-e235.	3.5	10
45	ASC and NLRP3 impair host defense during lethal pneumonia caused by serotype 3 Streptococcus pneumoniae in mice. European Journal of Immunology, 2018, 48, 66-79.	2.9	25
46	Platelet glycoprotein VI aids in local immunity during pneumonia-derived sepsis caused by gram-negative bacteria. Blood, 2018, 131, 864-876.	1.4	66
47	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. Stem Cells, 2018, 36, 1778-1788.	3.2	70
48	Role of Peptidylarginine Deiminase 4 in Neutrophil Extracellular Trap Formation and Host Defense during Klebsiella pneumoniaeâ€“Induced Pneumonia-Derived Sepsis. Journal of Immunology, 2018, 201, 1241-1252.	0.8	96
49	LAG-3 Inhibitory Receptor Expression Identifies Immunosuppressive Natural Regulatory Plasma Cells. Immunity, 2018, 49, 120-133.e9.	14.3	190
50	Epithelial Myeloid-Differentiation Factor 88 Is Dispensable duringKlebsiellaPneumonia. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 648-656.	2.9	8
51	Antibiotic-induced gut microbiota disruption during human endotoxemia: a randomised controlled study. Gut, 2017, 66, 1623-1630.	12.1	69
52	Expression and Function of Granzymes A and B inEscherichia coliPeritonitis and Sepsis. Mediators of Inflammation, 2017, 2017, 1-11.	3.0	22
53	The gut microbiota as a modulator of innate immunity during melioidosis. PLoS Neglected Tropical Diseases, 2017, 11, e0005548.	3.0	36
54	Differences in Inflammation Patterns Induced by African and Asian Burkholderia pseudomallei Isolates in Mice. American Journal of Tropical Medicine and Hygiene, 2017, 96, 1365-1369.	1.4	2

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55	The impact of HIV infection on blood leukocyte responsiveness to bacterial stimulation in asymptomatic patients and patients with bloodstream infection. Journal of the International AIDS Society, 2016, 19, 20759.	3.0	5
56	Toll-Like Receptor 9 Enhances Bacterial Clearance and Limits Lung Consolidation in Murine Pneumonia Caused by Methicillin-Resistant Staphylococcus aureus. Molecular Medicine, 2016, 22, 292-299.	4.4	12
57	Receptor for Advanced Glycation End Products (RAGE) Serves a Protective Role during Klebsiella pneumoniae - Induced Pneumonia. PLoS ONE, 2016, 11, e0141000.	2.5	26
58	Triggering Receptor Expressed on Myeloid Cells (TREM)-2 Impairs Host Defense in Experimental Melioidosis. PLoS Neglected Tropical Diseases, 2016, 10, e0004747.	3.0	15
59	Granzymes A and B Regulate the Local Inflammatory Response during <i>Klebsiella pneumoniae</i> Pneumonia. Journal of Innate Immunity, 2016, 8, 258-268.	3.8	28
60	Mitochondrial Dysfunction Prevents Repolarization of Inflammatory Macrophages. Cell Reports, 2016, 17, 684-696.	6.4	595
61	Endoplasmic reticulum chaperone gp96 in macrophages is essential for protective immunity during Gramâ€negative pneumonia. Journal of Pathology, 2016, 238, 74-84.	4.5	21
62	Lung epithelial MyD88 drives early pulmonary clearance of Pseudomonas aeruginosa by a flagellin dependent mechanism. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L219-L228.	2.9	30
63	Antibiotic-Induced Gut Microbiota Disruption Decreases TNF-Î± Release by Mononuclear Cells in Healthy Adults. Clinical and Translational Gastroenterology, 2016, 7, e186.	2.5	18
64	Granzyme A impairs host defense duringStreptococcus pneumoniaepneumonia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L507-L516.	2.9	20
65	Nur77-deficiency in bone marrow-derived macrophages modulates inflammatory responses, extracellular matrix homeostasis, phagocytosis and tolerance. BMC Genomics, 2016, 17, 162.	2.8	38
66	The gut microbiota plays a protective role in the host defence against pneumococcal pneumonia. Gut, 2016, 65, 575-583.	12.1	601
67	The Polysaccharide Capsule of Streptococcus pneumonia Partially Impedes MyD88-Mediated Immunity during Pneumonia in Mice. PLoS ONE, 2015, 10, e0118181.	2.5	25
68	Role of Nucleotide-Binding Oligomerization Domain-Containing (NOD) 2 in Host Defense during Pneumococcal Pneumonia. PLoS ONE, 2015, 10, e0145138.	2.5	6
69	Differential Toll-Like Receptor-Signalling of Burkholderia pseudomallei Lipopolysaccharide in Murine and Human Models. PLoS ONE, 2015, 10, e0145397.	2.5	20
70	Increased intra- and extracellular granzyme expression in patients with tuberculosis. Tuberculosis, 2015, 95, 575-580.	1.9	13
71	Expression and Function of S100A8/A9 (Calprotectin) in Human Typhoid Fever and the Murine Salmonella Model. PLoS Neglected Tropical Diseases, 2015, 9, e0003663.	3.0	31
72	Myeloid-related protein-14 deficiency promotes inflammation in staphylococcal pneumonia. European Respiratory Journal, 2015, 46, 464-473.	6.7	26

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73	The receptor for advanced glycation end products promotes bacterial growth at distant body sites in Staphylococcus aureus skin infection. Microbes and Infection, 2015, 17, 622-627.	1.9	5
74	Activated protein C inhibits neutrophil migration in allergic asthma: a randomised trial. European Respiratory Journal, 2015, 46, 1636-1644.	6.7	16
75	Myeloid-related protein-8/14 facilitates bacterial growth during pneumococcal pneumonia. Thorax, 2014, 69, 1034-1042.	5.6	36
76	Hematopoietic but Not Endothelial Cell MyD88 Contributes to Host Defense during Gram-negative Pneumonia Derived Sepsis. PLoS Pathogens, 2014, 10, e1004368.	4.7	23
77	Protease-activated receptor-2 deficient mice have reduced house dust mite-evoked allergic lung inflammation. Innate Immunity, 2014, 20, 618-625.	2.4	52
78	Myeloid-Related Protein-14 Contributes to Protective Immunity in Gram-Negative Pneumonia Derived Sepsis. PLoS Pathogens, 2012, 8, e1002987.	4.7	123
79	Differential Roles of MyD88 and TRIF in Hematopoietic and Resident Cells During Murine Gram-Negative Pneumonia. Journal of Infectious Diseases, 2012, 206, 1415-1423.	4.0	20
80	Delineation of the Role of Toll-like Receptor Signaling during Peritonitis by a Gradually Growing Pathogenic Escherichia coli. Journal of Biological Chemistry, 2011, 286, 36603-36618.	3.4	20
81	In Vivo Lipopolysaccharide Exposure of Human Blood Leukocytes Induces Cross-Tolerance to Multiple TLR Ligands. Journal of Immunology, 2009, 183, 533-542.	0.8	89
82	STIMULATION OF Î±7 CHOLINERGIC RECEPTORS INHIBITS LIPOPOLYSACCHARIDE-INDUCED NEUTROPHIL RECRUITMENT BY A TUMOR NECROSIS FACTOR Î±-INDEPENDENT MECHANISM. Shock, 2007, 27, 443-447.	2.1	57