Frank L Van De Veerdonk

List of Publications by Year
in descending order

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		5574	4774
269	32,699	82	169
papers	citations	h-index	g-index

292	292	292	44589
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	mTOR- and HIF-1Î±â€“mediated aerobic glycolysis as metabolic basis for trained immunity. Science, 2014, 345, 1250684.	12.6	1,517
2	Interleukin-6 Receptor Antagonists in Critically Ill Patients with Covid-19. New England Journal of Medicine, 2021, 384, 1491-1502.	27.0	1,419
3	The immunopathology of sepsis and potential therapeutic targets. Nature Reviews Immunology, 2017, 17, 407-420.	22.7	1,183
4	A minimal common outcome measure set for COVID-19 clinical research. Lancet Infectious Diseases, The, 2020, 20, e192-e197.	9.1	1,165
5	Therapeutic Anticoagulation with Heparin in Noncritically Ill Patients with Covid-19. New England Journal of Medicine, 2021, 385, 790-802.	27.0	778
6	Differential requirement for the activation of the inflammasome for processing and release of IL-1Î² in monocytes and macrophages. Blood, 2009, 113, 2324-2335.	1.4	714
7	Therapeutic Anticoagulation with Heparin in Critically Ill Patients with Covid-19. New England Journal of Medicine, 2021, 385, 777-789.	27.0	712
8	Candida albicans morphogenesis and host defence: discriminating invasion from colonization. Nature Reviews Microbiology, 2012, 10, 112-122.	28.6	693
9	Effect of Hydrocortisone on Mortality and Organ Support in Patients With Severe COVID-19. JAMA - Journal of the American Medical Association, 2020, 324, 1317.	7.4	671
10	Invasive aspergillosis in patients admitted to the intensive care unit with severe influenza: a retrospective cohort study. Lancet Respiratory Medicine,the, 2018, 6, 782-792.	10.7	638
11	Presence of Genetic Variants Among Young Men With Severe COVID-19. JAMA - Journal of the American Medical Association, 2020, 324, 663.	7.4	626
12	STAT1Mutations in Autosomal Dominant Chronic Mucocutaneous Candidiasis. New England Journal of Medicine, 2011, 365, 54-61.	27.0	614
13	Inflammasome is a central player in the induction of obesity and insulin resistance. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15324-15329.	7.1	602
14	Glutaminolysis and Fumarate Accumulation Integrate Immunometabolic and Epigenetic Programs in Trained Immunity. Cell Metabolism, 2016, 24, 807-819.	16.2	584
15	Inflammasome activation and IL-1Î² and IL-18 processing during infection. Trends in Immunology, 2011, 32, 110-116.	6.8	577
16	A guiding map for inflammation. Nature Immunology, 2017, 18, 826-831.	14.5	506
17	Association Between Administration of IL-6 Antagonists and Mortality Among Patients Hospitalized for COVID-19. JAMA - Journal of the American Medical Association, 2021, 326, 499.	7.4	498
18	Metabolic Induction of Trained Immunity through the Mevalonate Pathway. Cell, 2018, 172, 135-146.e9.	28.9	485

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19	Heterozygous STAT1 gain-of-function mutations underlie an unexpectedly broad clinical phenotype. Blood, 2016, 127, 3154-3164.	1.4	465
20	Immune defence against Candida fungal infections. Nature Reviews Immunology, 2015, 15, 630-642.	22.7	440
21	Broad defects in the energy metabolism of leukocytes underlie immunoparalysis in sepsis. Nature Immunology, 2016, 17, 406-413.	14.5	437
22	IL-1Î² Processing in Host Defense: Beyond the Inflammasomes. PLoS Pathogens, 2010, 6, e1000661.	4.7	427
23	Aspergillus fumigatus morphology and dynamic host interactions. Nature Reviews Microbiology, 2017, 15, 661-674.	28.6	402
24	The European Society for Immunodeficiencies (ESID) Registry Working Definitions for the ClinicalÂDiagnosis of Inborn Errors of Immunity. Journal of Allergy and Clinical Immunology: in Practice, 2019, 7, 1763-1770.	3.8	381
25	Trained Immunity: a Tool for Reducing Susceptibility to and the Severity of SARS-CoV-2 Infection. Cell, 2020, 181, 969-977.	28.9	358
26	Phenotype, penetrance, and treatment of 133 cytotoxic T-lymphocyte antigen 4â€“insufficient subjects. Journal of Allergy and Clinical Immunology, 2018, 142, 1932-1946.	2.9	344
27	IL-38 binds to the IL-36 receptor and has biological effects on immune cells similar to IL-36 receptor antagonist. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3001-3005.	7.1	308
28	The Macrophage Mannose Receptor Induces IL-17 in Response to Candida albicans. Cell Host and Microbe, 2009, 5, 329-340.	11.0	294
29	IL-1 family nomenclature. Nature Immunology, 2010, 11, 973-973.	14.5	294
30	COVID-19 Associated Pulmonary Aspergillosis (CAPA)â€”From Immunology to Treatment. Journal of Fungi (Basel, Switzerland), 2020, 6, 91.	3.5	292
31	Modulation of inflammation by autophagy: Consequences for human disease. Autophagy, 2016, 12, 245-260.	9.1	287
32	Review of influenza-associated pulmonary aspergillosis in ICU patients and proposal for a case definition: an expert opinion. Intensive Care Medicine, 2020, 46, 1524-1535.	8.2	278
33	Inflammasome-Independent Regulation of IL-1-Family Cytokines. Annual Review of Immunology, 2015, 33, 49-77.	21.8	275
34	A Functional Genomics Approach to Understand Variation in Cytokine Production in Humans. Cell, 2016, 167, 1099-1110.e14.	28.9	275
35	Trained immunity, tolerance, priming and differentiation: distinct immunological processes. Nature Immunology, 2021, 22, 2-6.	14.5	274
36	IL-1 receptor blockade restores autophagy and reduces inflammation in chronic granulomatous disease in mice and in humans. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3526-3531.	7.1	273

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37	Engagement of fatty acids with tollâ€like receptor 2 drives interleukinâ€1Î² production via the ASC/caspase 1 pathway in monosodium urate monohydrate crystalâ€“induced gouty arthritis. Arthritis and Rheumatism, 2010, 62, 3237-3248.	6.7	259
38	The extended phenotype of LPS-responsive beige-like anchor protein (LRBA) deficiency. Journal of Allergy and Clinical Immunology, 2016, 137, 223-230.	2.9	247
39	IL-1Î²/IL-6/CRP and IL-18/ferritin: Distinct Inflammatory Programs in Infections. PLoS Pathogens, 2016, 12, e1005973.	4.7	237
40	Kallikrein-kinin blockade in patients with COVID-19 to prevent acute respiratory distress syndrome. ELife, 2020, 9, .	6.0	235
41	Reactive oxygen speciesâ€“independent activation of the IL-1Î² inflammasome in cells from patients with chronic granulomatous disease. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3030-3033.	7.1	226
42	Favorable Anakinra Responses in Severe Covid-19 Patients with Secondary Hemophagocytic Lymphohistiocytosis. Cell Host and Microbe, 2020, 28, 117-123.e1.	11.0	210
43	A guide to immunotherapy for COVID-19. Nature Medicine, 2022, 28, 39-50.	30.7	206
44	IL-1 receptor antagonist ameliorates inflammasome-dependent inflammation in murine and human cystic fibrosis. Nature Communications, 2016, 7, 10791.	12.8	201
45	Interferon-gamma as adjunctive immunotherapy for invasive fungal infections: a case series. BMC Infectious Diseases, 2014, 14, 166.	2.9	195
46	Disease severity-specific neutrophil signatures in blood transcriptomes stratify COVID-19 patients. Genome Medicine, 2021, 13, 7.	8.2	193
47	Aspergillus Cell Wall Melanin Blocks LC3-Associated Phagocytosis to Promote Pathogenicity. Cell Host and Microbe, 2016, 19, 79-90.	11.0	183
48	Inflammasome-Independent Modulation of Cytokine Response by Autophagy in Human Cells. PLoS ONE, 2011, 6, e18666.	2.5	182
49	Influenza-associated Aspergillosis in Critically Ill Patients. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 524-527.	5.6	176
50	Crohn's disease-associated ATG16L1 polymorphism modulates pro-inflammatory cytokine responses selectively upon activation of NOD2. Gut, 2011, 60, 1229-1235.	12.1	172
51	The dectin-1/inflammasome pathway is responsible for the induction of protective T-helper 17 responses that discriminate between yeasts and hyphae ofCandida albicans. Journal of Leukocyte Biology, 2011, 90, 357-366.	3.3	169
52	Effect of Convalescent Plasma on Organ Supportâ€“Free Days in Critically Ill Patients With COVID-19. JAMA - Journal of the American Medical Association, 2021, 326, 1690.	7.4	169
53	Autophagy Controls BCG-Induced Trained Immunity and the Response to Intravesical BCG Therapy for Bladder Cancer. PLoS Pathogens, 2014, 10, e1004485.	4.7	167
54	Human Neutrophils Use Different Mechanisms To Kill Aspergillus fumigatus Conidia and Hyphae: Evidence from Phagocyte Defects. Journal of Immunology, 2016, 196, 1272-1283.	0.8	162

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55	Diagnosing COVID-19-associated pulmonary aspergillosis. Lancet Microbe, The, 2020, 1, e53-e55.	7.3	158
56	Recognition of DHN-melanin by a C-type lectin receptor is required for immunity to Aspergillus. Nature, 2018, 555, 382-386.	27.8	157
57	The anti-CD20 antibody rituximab reduces the Th17 cell response. Arthritis and Rheumatism, 2011, 63, 1507-1516.	6.7	154
58	Two independent killing mechanisms of Candida albicans by human neutrophils: evidence from innate immunity defects. Blood, 2014, 124, 590-597.	1.4	152
59	Biology of IL-36 cytokines and their role in disease. Seminars in Immunology, 2013, 25, 458-465.	5.6	144
60	Hostâ€“microbe interactions: innate pattern recognition of fungal pathogens. Current Opinion in Microbiology, 2008, 11, 305-312.	5.1	140
61	New Insights in the Immunobiology of IL-1 Family Members. Frontiers in Immunology, 2013, 4, 167.	4.8	137
62	IL-37 Inhibits Inflammasome Activation and Disease Severity in Murine Aspergillosis. PLoS Pathogens, 2014, 10, e1004462.	4.7	136
63	The inflammasome drives protective Th1 and Th17 cellular responses in disseminated candidiasis. European Journal of Immunology, 2011, 41, 2260-2268.	2.9	126
64	Corticosteroids Block Autophagy Protein Recruitment in Aspergillus fumigatus Phagosomes via Targeting Dectin-1/Syk Kinase Signaling. Journal of Immunology, 2013, 191, 1287-1299.	0.8	124
65	In-host adaptation and acquired triazole resistance in Aspergillus fumigatus : a dilemma for clinical management. Lancet Infectious Diseases, The, 2016, 16, e251-e260.	9.1	123
66	A Polysaccharide Virulence Factor from Aspergillus fumigatus Elicits Anti-inflammatory Effects through Induction of Interleukin-1 Receptor Antagonist. PLoS Pathogens, 2014, 10, e1003936.	4.7	117
67	Antiâ€Aspergillus human host defence relies on type 1 T helper (Th1), rather than type 17 T helper (Th17), cellular immunity. Immunology, 2010, 130, 46-54.	4.4	115
68	Uric acid priming in human monocytes is driven by the AKTâ€“PRAS40 autophagy pathway. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5485-5490.	7.1	114
69	Gainâ€ofâ€function STAT1 mutations impair STAT3 activity in patients with chronic mucocutaneous candidiasis (CMC). European Journal of Immunology, 2015, 45, 2834-2846.	2.9	111
70	Towards precision medicine in sepsis: a position paper from the European Society of Clinical Microbiology and Infectious Diseases. Clinical Microbiology and Infection, 2018, 24, 1264-1272.	6.0	107
71	Taskforce report on the diagnosis and clinical management of COVID-19 associated pulmonary aspergillosis. Intensive Care Medicine, 2021, 47, 819-834.	8.2	106
72	Adult-onset autoinflammation caused by somatic mutations in UBA1: AÂDutch case series of patients with VEXAS. Journal of Allergy and Clinical Immunology, 2022, 149, 432-439.e4.	2.9	105

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73	STAT1 Hyperphosphorylation and Defective IL12R/IL23R Signaling Underlie Defective Immunity in Autosomal Dominant Chronic Mucocutaneous Candidiasis. PLoS ONE, 2011, 6, e29248.	2.5	101
74	Genetic susceptibility to Candida infections. EMBO Molecular Medicine, 2013, 5, 805-813.	6.9	100
75	Anakinra treatment in critically ill COVID-19 patients: a prospective cohort study. Critical Care, 2020, 24, 688.	5.8	100
76	Immunotherapeutic approaches to treatment of fungal diseases. Lancet Infectious Diseases, The, 2017, 17, e393-e402.	9.1	98
77	Increased Plasma Heparanase Activity in COVID-19 Patients. Frontiers in Immunology, 2020, 11, 575047.	4.8	98
78	Confronting and mitigating the risk of COVID-19 associated pulmonary aspergillosis. European Respiratory Journal, 2020, 56, 2002554.	6.7	98
79	Mycobacterium tuberculosis induces IL-17A responses through TLR4 and dectin-1 and is critically dependent on endogenous IL-1. Journal of Leukocyte Biology, 2010, 88, 227-232.	3.3	97
80	Influenza virus and factors that are associated with ICU admission, pulmonary co-infections and ICU mortality. Journal of Critical Care, 2019, 50, 59-65.	2.2	94
81	The <scp>IL</scp>â€36 receptor pathway regulates <scp>A</scp>spergillus fumigatusâ€induced <scp>T</scp>h1 and <scp>T</scp>h17 responses. European Journal of Immunology, 2013, 43, 416-426.	2.9	93
82	Th17 responses and host defense against microorganisms: an overview. BMB Reports, 2009, 42, 776-787.	2.4	91
83	Role of TLR1 and TLR6 in the host defense against disseminated candidiasis. FEMS Immunology and Medical Microbiology, 2008, 52, 118-123.	2.7	87
84	Complement Activation in the Disease Course of Coronavirus Disease 2019 and Its Effects on Clinical Outcomes. Journal of Infectious Diseases, 2021, 223, 214-224.	4.0	86
85	Inflammasome-independent Role of Apoptosis-associated Speck-like Protein Containing a CARD (ASC) in T Cell Priming Is Critical for Collagen-induced Arthritis. Journal of Biological Chemistry, 2010, 285, 12454-12462.	3.4	84
86	Skin Microbiome Imbalance in Patients with STAT1/STAT3 Defects Impairs Innate Host Defense Responses. Journal of Innate Immunity, 2014, 6, 253-262.	3.8	83
87	Effect of Antiplatelet Therapy on Survival and Organ Supportâ€"Free Days in Critically Ill Patients With COVID-19. JAMA - Journal of the American Medical Association, 2022, 327, 1247.	7.4	83
88	Multinational Observational Cohort Study of COVID-19â€"Associated Pulmonary Aspergillosis1. Emerging Infectious Diseases, 2021, 27, 2892-2898.	4.3	82
89	Biology of <scp>IL</scp>â€38 and its role in disease. Immunological Reviews, 2018, 281, 191-196.	6.0	81
90	Antifungal innate immunity: recognition and inflammatory networks. Seminars in Immunopathology, 2015, 37, 107-116.	6.1	79

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91	Candida albicans Dampens Host Defense by Downregulating IL-17 Production. Journal of Immunology, 2010, 185, 2450-2457.	0.8	78
92	Safety and COVID-19 Symptoms in Individuals Recently Vaccinated with BCG: a Retrospective Cohort Study. Cell Reports Medicine, 2020, 1, 100073.	6.5	78
93	Immunochip SNP array identifies novel genetic variants conferring susceptibility to candidaemia. Nature Communications, 2014, 5, 4675.	12.8	76
94	Blocking IL-1 to prevent respiratory failure in COVID-19. Critical Care, 2020, 24, 445.	5.8	76
95	Genetic Screening for TLR7 Variants in Young and Previously Healthy Men With Severe COVID-19. Frontiers in Immunology, 2021, 12, 719115.	4.8	76
96	Transcriptional and inflammasomeâ€mediated pathways for the induction of ILâ€1Î² production by Mycobacterium tuberculosis. European Journal of Immunology, 2009, 39, 1914-1922.	2.9	75
97	Pathogenesis of invasive candidiasis. Current Opinion in Critical Care, 2010, 16, 453-459.	3.2	75
98	Transcriptional and functional insights into the host immune response against the emerging fungal pathogen Candida auris. Nature Microbiology, 2020, 5, 1516-1531.	13.3	75
99	T-cell Subsets and Antifungal Host Defenses. Current Fungal Infection Reports, 2010, 4, 238-243.	2.6	74
100	Pathogenic NLRP3 Inflammasome Activity during Candida Infection Is Negatively Regulated by IL-22 via Activation of NLRC4 and IL-1Ra. Cell Host and Microbe, 2015, 18, 198-209.	11.0	74
101	The Candida Th17 response is dependent on mannan- and Â-glucan-induced prostaglandin E2. International Immunology, 2010, 22, 889-895.	4.0	73
102	Rewiring monocyte glucose metabolism via C-type lectin signaling protects against disseminated candidiasis. PLoS Pathogens, 2017, 13, e1006632.	4.7	73
103	Bypassing Pathogenâ€induced Inflammasome Activation for the Regulation of Interleukinâ€1Î² Production by the Fungal PathogenCandida albicans. Journal of Infectious Diseases, 2009, 199, 1087-1096.	4.0	70
104	The RIG-I-like helicase receptor MDA5 (IFIH1) is involved in the host defense against Candida infections. European Journal of Clinical Microbiology and Infectious Diseases, 2015, 34, 963-974.	2.9	69
105	Phagosomal removal of fungal melanin reprograms macrophage metabolism to promote antifungal immunity. Nature Communications, 2020, 11, 2282.	12.8	68
106	Pattern recognition pathways leading to a Th2 cytokine bias in allergic bronchopulmonary aspergillosis patients. Clinical and Experimental Allergy, 2015, 45, 423-437.	2.9	67
107	Lopinavir-ritonavir and hydroxychloroquine for critically ill patients with COVID-19: REMAP-CAP randomized controlled trial. Intensive Care Medicine, 2021, 47, 867-886.	8.2	65
108	Understanding human immune function using the resources from the Human Functional Genomics Project. Nature Medicine, 2016, 22, 831-833.	30.7	63

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109	Alpha-1-anti-trypsin-Fc fusion protein ameliorates gouty arthritis by reducing release and extracellular processing of IL-1Î² and by the induction of endogenous IL-1Ra. Annals of the Rheumatic Diseases, 2016, 75, 1219-1227.	0.9	63
110	Inhibition of caspase-1 activation in gram-negative sepsis and experimental endotoxemia. Critical Care, 2011, 15, R27.	5.8	61
111	Neutrophil-Mediated Inhibition of Proinflammatory Cytokine Responses. Journal of Immunology, 2012, 189, 4806-4815.	0.8	61
112	Dysregulated Innate and Adaptive Immune Responses Discriminate Disease Severity in COVID-19. Journal of Infectious Diseases, 2021, 223, 1322-1333.	4.0	61
113	Aspergillus Cell Wall Chitin Induces Anti- and Proinflammatory Cytokines in Human PBMCs via the Fc-Î³ Receptor/Syk/PI3K Pathway. MBio, 2016, 7, .	4.1	58
114	The role of NLRs and TLRs in the activation of the inflammasome. Expert Opinion on Biological Therapy, 2008, 8, 1867-1872.	3.1	57
115	Severe Candida spp. infections: new insights into natural immunity. International Journal of Antimicrobial Agents, 2010, 36, S58-S62.	2.5	57
116	Outcomes Associated With Use of a Kinin B2 Receptor Antagonist Among Patients With COVID-19. JAMA Network Open, 2020, 3, e2017708.	5.9	57
117	Compartmentalized Cytokine Responses in Hidradenitis Suppurativa. PLoS ONE, 2015, 10, e0130522.	2.5	57
118	Risks of Ruxolitinib in STAT1 Gain-of-Function-Associated Severe Fungal Disease. Open Forum Infectious Diseases, 2017, 4, ofx202.	0.9	56
119	COVID-19-associated Aspergillus tracheobronchitis: the interplay between viral tropism, host defence, and fungal invasion. Lancet Respiratory Medicine,the, 2021, 9, 795-802.	10.7	56
120	The potential impact of the pulmonary microbiome on immunopathogenesis of Aspergillusâ€related lung disease. European Journal of Immunology, 2014, 44, 3156-3165.	2.9	55
121	The discriminative capacity of soluble Toll-like receptor (sTLR)2 and sTLR4 in inflammatory diseases. BMC Immunology, 2014, 15, 55.	2.2	54
122	IL1B and DEFB1 Polymorphisms Increase Susceptibility to Invasive Mold Infection After Solid-Organ Transplantation. Journal of Infectious Diseases, 2015, 211, 1646-1657.	4.0	54
123	The interplay between inflammasome activation and antifungal host defense. Immunological Reviews, 2015, 265, 172-180.	6.0	53
124	IL-18 Serum Concentration Is Markedly Elevated in Acute EBV Infection and Can Serve as a Marker for Disease Severity. Journal of Infectious Diseases, 2012, 206, 197-201.	4.0	51
125	Combination of biomarkers for the discrimination between bacterial and viral lower respiratory tract infections. Journal of Infection, 2012, 65, 490-495.	3.3	51
126	Receptor Recognition of and Immune Intracellular Pathways for Veillonella parvula Lipopolysaccharide. Vaccine Journal, 2009, 16, 1804-1809.	3.1	50

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127	Aspergillus Test Profiles and Mortality in Critically Ill COVID-19 Patients. Journal of Clinical Microbiology, 2021, 59, e0122921.	3.9	50
128	Exome sequencing in routine diagnostics: a generic test for 254 patients with primary immunodeficiencies. Genome Medicine, 2019, 11, 38.	8.2	49
129	Posaconazole for prevention of invasive pulmonary aspergillosis in critically ill influenza patients (POSA-FLU): a randomised, open-label, proof-of-concept trial. Intensive Care Medicine, 2021, 47, 674-686.	8.2	49
130	Deficient autophagy unravels the ROS paradox in chronic granulomatous disease. Autophagy, 2014, 10, 1141-1142.	9.1	47
131	Cardiac function in relation to myocardial injury in hospitalised patients with COVID-19. Netherlands Heart Journal, 2020, 28, 410-417.	0.8	46
132	Impaired Breakdown of Bradykinin and Its Metabolites as a Possible Cause for Pulmonary Edema in COVID-19 Infection. Seminars in Thrombosis and Hemostasis, 2020, 46, 835-837.	2.7	46
133	The classical CD14⁺⁺CD16^{â˜'} monocytes, but not the patrolling CD14⁺CD16⁺ monocytes, promote Th17 responses to Candida albicans. European Journal of Immunology, 2011, 41, 2915-2924.	2.9	45
134	Association of esophageal candidiasis and squamous cell carcinoma. Medical Mycology Case Reports, 2012, 1, 5-8.	1.3	45
135	The Role of Dectin-2 for Host Defense Against Disseminated Candidiasis. Journal of Interferon and Cytokine Research, 2016, 36, 267-276.	1.2	45
136	The Multifaceted Role of T-Helper Responses in Host Defense against Aspergillus fumigatus. Journal of Fungi (Basel, Switzerland), 2017, 3, 55.	3.5	44
137	Rare genetic variants in interleukin-37 link this anti-inflammatory cytokine to the pathogenesis and treatment of gout. Annals of the Rheumatic Diseases, 2020, 79, 536-544.	0.9	44
138	An anti-inflammatory property of Candida albicans Î²-glucan: Induction of high levels of interleukin-1 receptor antagonist via a Dectin-1/CR3 independent mechanism. Cytokine, 2015, 71, 215-222.	3.2	42
139	LC3-associated phagocytosis: a crucial mechanism for antifungal host defence againstAspergillus fumigatus. Cellular Microbiology, 2016, 18, 1208-1216.	2.1	42
140	Differential effects of platelets and platelet inhibition by ticagrelor on TLR2- and TLR4-mediated inflammatory responses. Thrombosis and Haemostasis, 2015, 113, 1035-1045.	3.4	40
141	Invasive pulmonary aspergillosis associated with viral pneumonitis. Current Opinion in Microbiology, 2021, 62, 21-27.	5.1	39
142	Risk of candidiasis associated with interleukin-17 inhibitors: A real-world observational study of multiple independent sources. Lancet Regional Health - Europe, The, 2022, 13, 100266.	5.6	39
143	Novel strategies for the prevention and treatment ofCandidainfections: the potential of immunotherapy. FEMS Microbiology Reviews, 2010, 34, 1063-1075.	8.6	38
144	Circulating galectin-3 in infections and non-infectious inflammatory diseases. European Journal of Clinical Microbiology and Infectious Diseases, 2013, 32, 1605-1610.	2.9	38

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145	Aspergillus fumigatusâ€“Induced IL-22 Is Not Restricted to a Specific Th Cell Subset and Is Dependent on Complement Receptor 3. Journal of Immunology, 2013, 190, 5629-5639.	0.8	38
146	Genetic deficiency of NOD2 confers resistance to invasive aspergillosis. Nature Communications, 2018, 9, 2636.	12.8	38
147	A systems genomics approach identifies SIGLEC15 as a susceptibility factor in recurrent vulvovaginal candidiasis. Science Translational Medicine, 2019, 11, .	12.4	38
148	Borrelia species induce inflammasome activation and ILâ€1 production through a caspaseâ€1â€dependent mechanism. European Journal of Immunology, 2011, 41, 172-181.	2.9	37
149	DIFFERENTIAL EFFECTS OF IL-17 PATHWAY IN DISSEMINATED CANDIDIASIS AND ZYMOSAN-INDUCED MULTIPLE ORGAN FAILURE. Shock, 2010, 34, 407-411.	2.1	36
150	Moderate correlation between systemic ILâ€6 responses and CRP with trough concentrations of voriconazole. British Journal of Clinical Pharmacology, 2018, 84, 1980-1988.	2.4	36
151	Diversity: A Hallmark of Monocyte Society. Immunity, 2010, 33, 289-291.	14.3	35
152	Autophagy is redundant for the host defense against systemic Candida albicans infections. European Journal of Clinical Microbiology and Infectious Diseases, 2014, 33, 711-722.	2.9	35
153	Defective trained immunity in patients with STAT-1-dependent chronic mucocutaneaous candidiasis. Clinical and Experimental Immunology, 2015, 181, 434-440.	2.6	35
154	A higher BMI is not associated with a different immune response and disease course in critically ill COVID-19 patients. International Journal of Obesity, 2021, 45, 687-694.	3.4	35
155	Role of Interleukin-23 (IL-23) Receptor Signaling for IL-17 Responses in Human Lyme Disease. Infection and Immunity, 2011, 79, 4681-4687.	2.2	34
156	Reducing hypoxia and inflammation during invasive pulmonary aspergillosis by targeting the Interleukin-1 receptor. Scientific Reports, 2016, 6, 26490.	3.3	33
157	Milder clinical hyperimmunoglobulin E syndrome phenotype is associated with partial interleukin-17 deficiency. Clinical and Experimental Immunology, 2010, 159, 57-64.	2.6	31
158	Pattern recognition receptors and their role in invasive aspergillosis. Annals of the New York Academy of Sciences, 2012, 1273, 60-67.	3.8	31
159	Interferon gamma immunotherapy in five critically ill COVID-19 patients with impaired cellular immunity: A case series. Med, 2021, 2, 1163-1170.e2.	4.4	31
160	Adjunctive immunotherapy with recombinant cytokines for the treatment of disseminated candidiasis. Clinical Microbiology and Infection, 2012, 18, 112-119.	6.0	29
161	Iron refractory iron deficiency anemia: a heterogeneous disease that is not always iron refractory. American Journal of Hematology, 2016, 91, E482-E490.	4.1	28
162	Treatment options for chronic mucocutaneous candidiasis. Journal of Infection, 2016, 72, S56-S60.	3.3	27

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163	Tetraspanin CD82 Organizes Dectin-1 into Signaling Domains to Mediate Cellular Responses to Candida albicans. Journal of Immunology, 2019, 202, 3256-3266.	0.8	27
164	Th2 and Th9 responses in patients with chronic mucocutaneous candidiasis and hyperâ€IgE syndrome. Clinical and Experimental Allergy, 2016, 46, 1564-1574.	2.9	26
165	Basic Genetics and Immunology of Candida Infections. Infectious Disease Clinics of North America, 2016, 30, 85-102.	5.1	26
166	COVID-19 patients exhibit less pronounced immune suppression compared with bacterial septic shock patients. Critical Care, 2020, 24, 263.	5.8	26
167	Uncoupling of IL-6 signaling and LC3-associated phagocytosis drives immunoparalysis during sepsis. Cell Host and Microbe, 2021, 29, 1277-1293.e6.	11.0	26
168	Lysine methyltransferase G9a is an important modulator of trained immunity. Clinical and Translational Immunology, 2021, 10, e1253.	3.8	25
169	Differential susceptibility to lethal endotoxaemia in mice deficient in ILâ€1Î±, ILâ€1Î² or ILâ€1 receptor type I. Apmis, 2010, 118, 1000-1007.	2.0	24
170	Autoimmune Regulator Deficiency Results in a Decrease in STAT1 Levels in Human Monocytes. Frontiers in Immunology, 2017, 8, 820.	4.8	24
171	An integrative genomics approach identifies novel pathways that influence candidaemia susceptibility. PLoS ONE, 2017, 12, e0180824.	2.5	24
172	Immunotherapy. Current Opinion in Infectious Diseases, 2014, 27, 511-516.	3.1	23
173	Th17 cytokine deficiency in patients with Aspergillus skull base osteomyelitis. BMC Infectious Diseases, 2015, 15, 140.	2.9	23
174	Covid-19-Associated Pulmonary Aspergillosis: The Other Side of the Coin. Vaccines, 2020, 8, 713.	4.4	23
175	Reduced concentrations of the B cell cytokine interleukin 38 are associated with cardiovascular disease risk in overweight subjects. European Journal of Immunology, 2021, 51, 662-671.	2.9	23
176	Autophagy Modulates Borrelia burgdorferi-induced Production of Interleukin-1Î² (IL-1Î²). Journal of Biological Chemistry, 2013, 288, 8658-8666.	3.4	21
177	Protective host defense against disseminated candidiasis is impaired in mice expressing human interleukin-37. Frontiers in Microbiology, 2015, 5, 762.	3.5	21
178	Murine Borrelia arthritis is highly dependent on ASC and caspase-1, but independent of NLRP3. Arthritis Research and Therapy, 2012, 14, R247.	3.5	20
179	Host Genetic Signatures of Susceptibility to Fungal Disease. Current Topics in Microbiology and Immunology, 2018, 422, 237-263.	1.1	20
180	Influenza Coinfection: Be(a)ware of Invasive Aspergillosis. Clinical Infectious Diseases, 2020, 70, 349-350.	5.8	20

#	Article	IF	Citations
181	IL-38 prevents induction of trained immunity by inhibition of mTOR signaling. Journal of Leukocyte Biology, 2021, 110, 907-915.	3.3	20
182	Early oseltamivir reduces risk for influenza-associated aspergillosis in a double-hit murine model. Virulence, 2021, 12, 2493-2508.	4.4	20
183	The Role of Interleukin-1 Family Members in the Host Defence Against Aspergillus fumigatus. Mycopathologia, 2014, 178, 395-401.	3.1	19
184	Immunotherapy with G-CSF in patients with chronic mucocutaneous candidiasis. Immunology Letters, 2015, 167, 54-56.	2.5	19
185	Progressive multifocal leukoencephalopathy in an immunocompetent patient. Annals of Clinical and Translational Neurology, 2016, 3, 226-232.	3.7	19
186	Low Interleukin-17A Production in Response to Fungal Pathogens in Patients with Chronic Granulomatous Disease. Journal of Interferon and Cytokine Research, 2012, 32, 159-168.	1.2	18
187	MST1R mutation as a genetic cause of Lady Windermere syndrome. European Respiratory Journal, 2017, 49, 1601478.	6.7	18
188	Increased sTREM-1 plasma concentrations are associated with poor clinical outcomes in patients with COVID-19. Bioscience Reports, 2021, 41, .	2.4	18
189	Deficient interleukin-17 production in response toMycobacterium abscessusin cystic fibrosis. European Respiratory Journal, 2016, 47, 990-993.	6.7	17
190	Flucloxacillin Results in Suboptimal Plasma Voriconazole Concentrations. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	17
191	The Absence of NOD1 Enhances Killing of Aspergillus fumigatus Through Modulation of Dectin-1 Expression. Frontiers in Immunology, 2017, 8, 1777.	4.8	17
192	A Genome-Wide Functional Genomics Approach Identifies Susceptibility Pathways to Fungal Bloodstream Infection in Humans. Journal of Infectious Diseases, 2019, 220, 862-872.	4.0	17
193	Platelets Modulate IFN-Î³ Production against Candida albicans in Peripheral Blood Mononuclear Cells via Prostaglandins. Journal of Immunology, 2020, 204, 122-127.	0.8	17
194	Natural resistance against infections: focus on COVID-19. Trends in Immunology, 2022, 43, 106-116.	6.8	17
195	Differential Kinetics of Aspergillus nidulans and Aspergillus fumigatus Phagocytosis. Journal of Innate Immunity, 2018, 10, 145-160.	3.8	16
196	Human recombinant interleukin-38 suppresses inflammation in mouse models of local and systemic disease. Cytokine, 2021, 137, 155334.	3.2	16
197	Comparative host transcriptome in response to pathogenic fungi identifies common and species-specific transcriptional antifungal host response pathways. Computational and Structural Biotechnology Journal, 2021, 19, 647-663.	4.1	16
198	Deficient Candida-Specific T-Helper 17 Response During Sepsis. Journal of Infectious Diseases, 2012, 206, 1798-1802.	4.0	15

#	Article	IF	Citations
199	Exposure to Candida albicans Polarizes a T-Cell Driven Arthritis Model towards Th17 Responses, Resulting in a More Destructive Arthritis. PLoS ONE, 2012, 7, e38889.	2.5	15
200	The Association of TSH and Thyroid Hormones With Lymphopenia in Bacterial Sepsis and COVID-19. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 1994-2009.	3.6	15
201	Neuraminidase and SIGLEC15 modulate the host defense against pulmonary aspergillosis. Cell Reports Medicine, 2021, 2, 100289.	6.5	15
202	Anakinra Activates Superoxide Dismutase 2 to Mitigate Inflammasome Activity. International Journal of Molecular Sciences, 2021, 22, 6531.	4.1	15
203	Primary immunodeficiencies of pattern recognition receptors. Journal of Internal Medicine, 2012, 272, 517-527.	6.0	14
204	Borrelia- induced cytokine production is mediated by spleen tyrosine kinase (Syk) but is Dectin-1 and Dectin-2 independent. Cytokine, 2015, 76, 465-472.	3.2	14
205	Toll-like receptorÂ2 induced cytotoxic T-lymphocyte-associated proteinÂ4 regulates Aspergillus-induced regulatory T-cells with pro-inflammatory characteristics. Scientific Reports, 2017, 7, 11500.	3.3	14
206	Detection of Invasive Aspergillosis in Critically Ill Patients with Influenza: The Role of Plasma Galactomannan. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 636-638.	5.6	14
207	InvasiveAspergillusTracheobronchitis Emerging as a Highly Lethal Complication of Severe Influenza. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 646-648.	5.6	13
208	When the Fight against Fungi Goes Wrong. PLoS Pathogens, 2016, 12, e1005400.	4.7	12
209	Development of Endotoxin Tolerance Does Not Influence the Response to a Challenge with the Mucosal Live-Attenuated Influenza Vaccine in Humans In Vivo. Frontiers in Immunology, 2017, 8, 1600.	4.8	12
210	Understanding the role of host immune responses in invasive candidiasis. Intensive Care Medicine, 2018, 44, 1310-1314.	8.2	12
211	Immune Parameters for Diagnosis and Treatment Monitoring in Invasive Mold Infection. Journal of Fungi (Basel, Switzerland), 2019, 5, 116.	3.5	12
212	Comparison between myocardial function assessed by echocardiography during hospitalization for COVID-19 and at 4Âmonths follow-up. International Journal of Cardiovascular Imaging, 2021, 37, 3459-3467.	1.5	12
213	Implementation of Early Next-Generation Sequencing for Inborn Errors of Immunity: A Prospective Observational Cohort Study of Diagnostic Yield and Clinical Implications in Dutch Genome Diagnostic Centers. Frontiers in Immunology, 2021, 12, 780134.	4.8	12
214	967. Inhibition of Host Neuraminidase Increases Susceptibility to Invasive Pulmonary Aspergillosis. Open Forum Infectious Diseases, 2018, 5, S36-S36.	0.9	11
215	HDAC inhibitors modulate innate immune responses to micro-organisms relevant to chronic mucocutaneous candidiasis. Clinical and Experimental Immunology, 2018, 194, 205-219.	2.6	11
216	Antifungal immune responses: emerging hostâ€“pathogen interactions and translational implications. Genome Medicine, 2018, 10, 39.	8.2	11

#	Article	IF	Citations
217	An Exaggerated Monocyte-Derived Cytokine Response to Candida Hyphae in Patients With Recurrent Vulvovaginal Candidiasis. Journal of Infectious Diseases, 2022, 225, 1796-1806.	4.0	11
218	Does Pulmonary Aspergillosis Complicate Coronavirus Disease 2019?. , 2020, 2, e0211.		10
219	Primary immunodeficiencies in cytosolic patternâ€recognition receptor pathways: Toward hostâ€directed treatment strategies. Immunological Reviews, 2020, 297, 247-272.	6.0	10
220	Stimulating severe COVID-19: the potential role of GM-CSF antagonism. Lancet Respiratory Medicine,the, 2022, 10, 223-224.	10.7	10
221	Multi-Omics Integration Reveals Only Minor Long-Term Molecular and Functional Sequelae in Immune Cells of Individuals Recovered From COVID-19. Frontiers in Immunology, 2022, 13, 838132.	4.8	10
222	An Omics Perspective on Candida Infections: Toward Next-Generation Diagnosis and Therapy. Frontiers in Microbiology, 2016, 7, 154.	3.5	9
223	New and recurrent <scp>STAT</scp>1 mutations in seven Chinese patients with chronic mucocutaneous candidiasis. International Journal of Dermatology, 2017, 56, e30-e33.	1.0	9
224	The Challenge of Managing COVID-19 Associated Pulmonary Aspergillosis. Clinical Infectious Diseases, 2021, 73, e3615-e3616.	5.8	9
225	A Human Dectin-2 Deficiency Associated With Invasive Aspergillosis. Journal of Infectious Diseases, 2021, 224, 1219-1224.	4.0	9
226	STAT3 phosphorylation mediates the stimulatory effects of interferon alpha on B cell differentiation and activation in SLE. Rheumatology, 2020, 59, 668-677.	1.9	8
227	Borrelia burgdorferi Is a Poor Inducer of Gamma Interferon: Amplification Induced by Interleukin-12. Infection and Immunity, 2022, 90, iai0055821.	2.2	8
228	Defects of pattern recognition: primary immunodeficiencies of the innate immune system. Current Opinion in Pharmacology, 2011, 11, 412-422.	3.5	7
229	Adjuvant interferon-gamma immunotherapy in a patient with progressive cerebral Nocardia abscesses. International Journal of Infectious Diseases, 2017, 59, 25-28.	3.3	7
230	A Multidisciplinary Approach to Fungal Infections: One-Year Experiences of a Center of Expertise in Mycology. Journal of Fungi (Basel, Switzerland), 2020, 6, 274.	3.5	7
231	Anakinra restores cellular proteostasis by coupling mitochondrial redox balance to autophagy. Journal of Clinical Investigation, 2022, 132, .	8.2	7
232	A missense mutation underlies defective <scp>SOCS</scp>4 function in a family with autoimmunity. Journal of Internal Medicine, 2015, 278, 203-210.	6.0	6
233	Immunologic defects in severe mucocutaneous HSV-2 infections: Response to IFN-Î³ therapy. Journal of Allergy and Clinical Immunology, 2016, 138, 895-898.	2.9	6
234	STAT1 gain-of-function compromises skin host defense in the context of IFN-Î³ signaling. Journal of Allergy and Clinical Immunology, 2019, 143, 1626-1629.e5.	2.9	6

#	Article	IF	Citations
235	Genetic Variation in PFKFB3 Impairs Antifungal Immunometabolic Responses and Predisposes to Invasive Pulmonary Aspergillosis. MBio, 2021, 12, e0036921.	4.1	6
236	SARS-CoV-2-Induced Multisystem Inflammatory Syndrome in a Young Adult: Case Report. SN Comprehensive Clinical Medicine, 2021, 3, 1773-1779.	0.6	6
237	Managing secondary fungal infections in severe COVID-19: how to move forward?. Lancet Respiratory Medicine,the, 2022, 10, 127-128.	10.7	6
238	Legionella pneumophila DNA in serum samples during Legionnairesâ€™ disease in relation to C-reactive protein levels. European Journal of Clinical Microbiology and Infectious Diseases, 2009, 28, 371-376.	2.9	5
239	Cytokine Production Assays Reveal Discriminatory Immune Defects in Adults with Recurrent Infections and Noninfectious Inflammation. Vaccine Journal, 2014, 21, 1061-1069.	3.1	5
240	Rare variants increase the risk of severe COVID-19. ELife, 2021, 10, .	6.0	5
241	Impact of rare and common genetic variation in the interleukin-1 pathway on human cytokine responses. Genome Medicine, 2021, 13, 94.	8.2	5
242	Subtle immunodeficiencies in nodularâ€“bronchiectatic Mycobacterium avium complex lung disease. ERJ Open Research, 2020, 6, 00548-2020.	2.6	5
243	Immune defects in patients with pulmonary Mycobacterium abscessus disease without cystic fibrosis. ERJ Open Research, 2020, 6, 00590-2020.	2.6	5
244	Immunological Effects of Antiâ€'IL-17/12/23 Therapy in Patients with Psoriasis Complicated by Candida Infections. Journal of Investigative Dermatology, 2022, 142, 2929-2939.e8.	0.7	5
245	PTX3 Inhibits Complement-Driven Macrophage Activation to Restrain Granuloma Formation in Sarcoidosis. American Journal of Respiratory and Critical Care Medicine, 0, , .	5.6	5
246	The effects of in vivo B-cell depleting therapy on ex-vivo cytokine production. Transplant Immunology, 2013, 28, 183-188.	1.2	4
247	Itraconazole or Amphotericin B for Talaromycosis. New England Journal of Medicine, 2017, 377, 1402-1403.	27.0	4
248	Microbiological and immunological characteristics of a lethal pulmonary Aspergillus niger infection in a non-neutropenic patient. Medical Mycology Case Reports, 2018, 21, 4-7.	1.3	4
249	Data of common and species-specific transcriptional host responses to pathogenic fungi. Data in Brief, 2021, 35, 106928.	1.0	4
250	The Genetic Risk for COVID-19 Severity Is Associated With Defective Immune Responses. Frontiers in Immunology, 2022, 13, .	4.8	4
251	TREML4 adds fuel to the TLR7 fire. Nature Immunology, 2015, 16, 445-446.	14.5	3
252	CBLB ubiquitin ligase: a major regulator of antifungal immunity. Nature Medicine, 2016, 22, 834-835.	30.7	3

#	Article	IF	Citations
253	Personalized medicine in influenza. Current Opinion in Pulmonary Medicine, 2017, 23, 237-240.	2.6	3
254	Challenges and Opportunities in Understanding Genetics of Fungal Diseases: Towards a Functional Genomics Approach. Infection and Immunity, 2021, 89, e0000521.	2.2	3
255	SARS-CoV-2 RNA in exhaled air of hospitalized COVID-19 patients. Scientific Reports, 2022, 12, .	3.3	3
256	The effects of signal transducer and activator of transcription three mutations on human platelets. Platelets, 2018, 29, 602-609.	2.3	2
257	Diagnostic evaluation of bronchiectasis. Respiratory Medicine: X, 2019, 1, 100006.	1.4	2
258	Mimicking BehÃ§etâ€™s disease: GMâ€CSF gain of function mutation in a family suffering from a BehÃ§etâ€™s diseaseâ€like disorder marked by extreme pathergy. Clinical and Experimental Immunology, 2021, 204, 189-198.	2.6	2
259	The potential role for topical imiquimod in the treatment of chronic mucocutaneous candidiasis caused by gainâ€ofâ€function mutation in <scp>STAT1</scp> : A caseâ€report. Dermatologic Therapy, 2021, 34, e15043.	1.7	2
260	Aspergillus fumigatus-specific antibodies in patients with chronic tuberculosis. International Journal of Tuberculosis and Lung Disease, 2020, 24, 853-856.	1.2	2
261	Prevalence, risk factors, and long-term outcomes of cerebral ischemia in hospitalized COVID-19 patients â€“ study rationale and protocol of the CORONIS study: A multicentre prospective cohort study. European Stroke Journal, 0, , 239698732210925.	5.5	2
262	Are histones real pathogenic agents in sepsis?. Nature Reviews Immunology, 2018, 18, 148-148.	22.7	1
263	Editorial overview: Emerging topics in host-fungus interactions. Current Opinion in Microbiology, 2020, 58, iii-v.	5.1	1
264	Chloroquine for treatment of COVID-19 results in subtherapeutic exposure and prolonged QTc intervals. International Journal of Antimicrobial Agents, 2021, 57, 106293.	2.5	1
265	Genetic determinants of fungi-induced ROS production are associated with the risk of invasive pulmonary aspergillosis. Redox Biology, 2022, 55, 102391.	9.0	1
266	Caspase-1, but not ASC or NLRP3 inflammasome components, mediates IL-1beta activation and antifungal defense in disseminated candidiasis. Cytokine, 2009, 48, 120.	3.2	0
267	A limited role of cytokine storm and fibrogenesis in COVID-19 related liver injury. Journal of Gastrointestinal and Liver Diseases, 2021, 30, 166-168.	0.9	0
268	Clinical and immunological characteristics of patients with pulmonary Mycobacterium abscessus disease without cystic fibrosis. , 2019, , .		0
269	Late Breaking Abstract - Plasma cells and endothelitis in COVID-19 lung pathology. , 2020, , .		0