

Mahdad Noursadeghi

List of Publications by Year in descending order

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Version: 2024-02-01

120
papers

9,081
citations

50244

46
h-index

54882

84
g-index

146
all docs

146
docs citations

146
times ranked

16660
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk stratification of patients admitted to hospital with covid-19 using the ISARIC WHO Clinical Characterisation Protocol: development and validation of the 4C Mortality Score. <i>BMJ</i> , The, 2020, 370, m3339.	3.0	779
2	Estimating excess 1-year mortality associated with the COVID-19 pandemic according to underlying conditions and age: a population-based cohort study. <i>Lancet</i> , The, 2020, 395, 1715-1725.	6.3	412
3	HIV-1 Capsid-Cyclophilin Interactions Determine Nuclear Import Pathway, Integration Targeting and Replication Efficiency. <i>PLoS Pathogens</i> , 2011, 7, e1002439.	2.1	403
4	HIV-1 evades innate immune recognition through specific cofactor recruitment. <i>Nature</i> , 2013, 503, 402-405.	13.7	396
5	Antibody response to first BNT162b2 dose in previously SARS-CoV-2-infected individuals. <i>Lancet</i> , The, 2021, 397, 1057-1058.	6.3	360
6	COVID-19: PCR screening of asymptomatic health-care workers at London hospital. <i>Lancet</i> , The, 2020, 395, 1608-1610.	6.3	295
7	Prior SARS-CoV-2 infection rescues B and T cell responses to variants after first vaccine dose. <i>Science</i> , 2021, 372, 1418-1423.	6.0	286
8	Pre-existing polymerase-specific T cells expand in abortive seronegative SARS-CoV-2. <i>Nature</i> , 2022, 601, 110-117.	13.7	280
9	Immune boosting by B.1.1.529 (Omicron) depends on previous SARS-CoV-2 exposure. <i>Science</i> , 2022, 377, .	6.0	241
10	Evolution of enhanced innate immune evasion by SARS-CoV-2. <i>Nature</i> , 2022, 602, 487-495.	13.7	237
11	Pathogenesis of HIV-1 and <i>Mycobacterium tuberculosis</i> co-infection. <i>Nature Reviews Microbiology</i> , 2018, 16, 80-90.	13.6	227
12	Intracellular replication of <i>Salmonella typhimurium</i> strains in specific subsets of splenic macrophages in vivo. <i>Cellular Microbiology</i> , 2001, 3, 587-597.	1.1	210
13	Discordant neutralizing antibody and T cell responses in asymptomatic and mild SARS-CoV-2 infection. <i>Science Immunology</i> , 2020, 5, .	5.6	172
14	Quantitative imaging assay for NF- κ B nuclear translocation in primary human macrophages. <i>Journal of Immunological Methods</i> , 2008, 329, 194-200.	0.6	164
15	Development and validation of the ISARIC 4C Deterioration model for adults hospitalised with COVID-19: a prospective cohort study. <i>Lancet Respiratory Medicine</i> , the, 2021, 9, 349-359.	5.2	161
16	Spatial heterogeneity of the T cell receptor repertoire reflects the mutational landscape in lung cancer. <i>Nature Medicine</i> , 2019, 25, 1549-1559.	15.2	147
17	Systematic evaluation and external validation of 22 prognostic models among hospitalised adults with COVID-19: an observational cohort study. <i>European Respiratory Journal</i> , 2020, 56, 2003498.	3.1	145
18	SARS-CoV-2 sensing by RIG-I and MDA5 links epithelial infection to macrophage inflammation. <i>EMBO Journal</i> , 2021, 40, e107826.	3.5	144

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19	Concise whole blood transcriptional signatures for incipient tuberculosis: a systematic review and patient-level pooled meta-analysis. <i>Lancet Respiratory Medicine</i> , 2020, 8, 395-406.	5.2	128
20	Cerebrospinal Fluid Cytokine Profiles Predict Risk of Early Mortality and Immune Reconstitution Inflammatory Syndrome in HIV-Associated Cryptococcal Meningitis. <i>PLoS Pathogens</i> , 2015, 11, e1004754.	2.1	117
21	Towards host-directed therapies for tuberculosis. <i>Nature Reviews Drug Discovery</i> , 2015, 14, 511-512.	21.5	110
22	Prior infection with SARS-CoV-2 boosts and broadens Ad26.COVS immunogenicity in a variant-dependent manner. <i>Cell Host and Microbe</i> , 2021, 29, 1611-1619.e5.	5.1	106
23	Dynamic Perturbations of the T-Cell Receptor Repertoire in Chronic HIV Infection and following Antiretroviral Therapy. <i>Frontiers in Immunology</i> , 2015, 6, 644.	2.2	97
24	Does tuberculosis threaten our ageing populations?. <i>BMC Infectious Diseases</i> , 2016, 16, 119.	1.3	93
25	Excess deaths in people with cardiovascular diseases during the COVID-19 pandemic. <i>European Journal of Preventive Cardiology</i> , 2021, 28, 1599-1609.	0.8	93
26	HIV-1 infection of macrophages is dependent on evasion of innate immune cellular activation. <i>Aids</i> , 2009, 23, 2255-2263.	1.0	91
27	Heterologous infection and vaccination shapes immunity against SARS-CoV-2 variants. <i>Science</i> , 2022, 375, 183-192.	6.0	91
28	Quantitative Characterization of the T Cell Receptor Repertoire of Naïve and Memory Subsets Using an Integrated Experimental and Computational Pipeline Which Is Robust, Economical, and Versatile. <i>Frontiers in Immunology</i> , 2017, 8, 1267.	2.2	89
29	Cyclosporine H Overcomes Innate Immune Restrictions to Improve Lentiviral Transduction and Gene Editing In Human Hematopoietic Stem Cells. <i>Cell Stem Cell</i> , 2018, 23, 820-832.e9.	5.2	86
30	Blood transcriptional biomarkers for active pulmonary tuberculosis in a high-burden setting: a prospective, observational, diagnostic accuracy study. <i>Lancet Respiratory Medicine</i> , 2020, 8, 407-419.	5.2	86
31	<i>Streptococcus pneumoniae</i> Capsular Serotype Invasiveness Correlates with the Degree of Factor H Binding and Opsonization with C3b/iC3b. <i>Infection and Immunity</i> , 2013, 81, 354-363.	1.0	83
32	Blood transcriptomic diagnosis of pulmonary and extrapulmonary tuberculosis. <i>JCI Insight</i> , 2016, 1, e87238.	2.3	83
33	A GlcNAc-like state allows HIV-1 to bypass SAMHD1 restriction in macrophages. <i>EMBO Journal</i> , 2017, 36, 604-616.	3.5	82
34	Paradoxical reactions and immune reconstitution inflammatory syndrome in tuberculosis. <i>International Journal of Infectious Diseases</i> , 2015, 32, 39-45.	1.5	79
35	Changes in in-hospital mortality in the first wave of COVID-19: a multicentre prospective observational cohort study using the WHO Clinical Characterisation Protocol UK. <i>Lancet Respiratory Medicine</i> , 2021, 9, 773-785.	5.2	78
36	TLR-Mediated Inflammatory Responses to <i>Streptococcus pneumoniae</i> Are Highly Dependent on Surface Expression of Bacterial Lipoproteins. <i>Journal of Immunology</i> , 2014, 193, 3736-3745.	0.4	77

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37	Enhancement of cutaneous immunity during aging by blocking p38 mitogen-activated protein (MAP) kinase-induced inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 844-856.	1.5	75
38	Successful liposomal amphotericin B treatment of <i>Leishmania braziliensis</i> cutaneous leishmaniasis. <i>British Journal of Dermatology</i> , 2005, 153, 203-205.	1.4	71
39	Diagnostic "omics"™ for active tuberculosis. <i>BMC Medicine</i> , 2016, 14, 37.	2.3	70
40	Blood Transcriptomic Stratification of Short-term Risk in Contacts of Tuberculosis. <i>Clinical Infectious Diseases</i> , 2020, 70, 731-737.	2.9	66
41	Characterizing the genetic basis of innate immune response in TLR4-activated human monocytes. <i>Nature Communications</i> , 2014, 5, 5236.	5.8	61
42	Time series analysis and mechanistic modelling of heterogeneity and sero-reversion in antibody responses to mild SARS-CoV-2 infection. <i>EBioMedicine</i> , 2021, 65, 103259.	2.7	61
43	HIV-1 infection of mononuclear phagocytic cells: the case for bacterial innate immune deficiency in AIDS. <i>Lancet Infectious Diseases</i> , The, 2006, 6, 794-804.	4.6	58
44	Discovery and validation of a personalized risk predictor for incident tuberculosis in low transmission settings. <i>Nature Medicine</i> , 2020, 26, 1941-1949.	15.2	58
45	Cyclophilin A Levels Dictate Infection Efficiency of Human Immunodeficiency Virus Type 1 Capsid Escape Mutants A92E and G94D. <i>Journal of Virology</i> , 2009, 83, 2044-2047.	1.5	57
46	Interactions between HIV-1 and the Cell-Autonomous Innate Immune System. <i>Cell Host and Microbe</i> , 2014, 16, 10-18.	5.1	55
47	Adherent Human Alveolar Macrophages Exhibit a Transient Pro-Inflammatory Profile That Confounds Responses to Innate Immune Stimulation. <i>PLoS ONE</i> , 2012, 7, e40348.	1.1	53
48	Blood transcriptional biomarkers of acute viral infection for detection of pre-symptomatic SARS-CoV-2 infection: a nested, case-control diagnostic accuracy study. <i>Lancet Microbe</i> , The, 2021, 2, e508-e517.	3.4	52
49	Production of Granulocyte Colony-Stimulating Factor in the Nonspecific Acute Phase Response Enhances Host Resistance to Bacterial Infection. <i>Journal of Immunology</i> , 2002, 169, 913-919.	0.4	47
50	Increased Susceptibility of C1q-Deficient Mice to <i>Salmonella enterica</i> Serovar Typhimurium Infection. <i>Infection and Immunity</i> , 2002, 70, 551-557.	1.0	46
51	Microinvasion by <i>Streptococcus pneumoniae</i> induces epithelial innate immunity during colonisation at the human mucosal surface. <i>Nature Communications</i> , 2019, 10, 3060.	5.8	46
52	In Vivo Molecular Dissection of the Effects of HIV-1 in Active Tuberculosis. <i>PLoS Pathogens</i> , 2016, 12, e1005469.	2.1	46
53	Successful treatment of severe Kikuchi's disease with intravenous immunoglobulin. <i>Rheumatology</i> , 2006, 45, 235-237.	0.9	42
54	Regulation of CYP27B1 and CYP24A1 hydroxylases limits cell-autonomous activation of vitamin D in dendritic cells. <i>European Journal of Immunology</i> , 2014, 44, 1781-1790.	1.6	41

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55	Needles and the damage done: Reasons for admission and financial costs associated with injecting drug use in a Central London Teaching Hospital. <i>Journal of Infection</i> , 2013, 66, 95-102.	1.7	40
56	Rapid synchronous type 1 IFN and virus-specific T _H 1 cell responses characterize first wave non-severe SARS-CoV-2 infections. <i>Cell Reports Medicine</i> , 2022, 3, 100557.	3.3	36
57	HIV gp120 in the Lungs of Antiretroviral Therapy-treated Individuals Impairs Alveolar Macrophage Responses to Pneumococci. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 1604-1615.	2.5	33
58	vFLIP from KSHV inhibits anoikis of primary endothelial cells. <i>Journal of Cell Science</i> , 2008, 121, 450-457.	1.2	31
59	Importance of Bacterial Replication and Alveolar Macrophage-Independent Clearance Mechanisms during Early Lung Infection with <i>Streptococcus pneumoniae</i> . <i>Infection and Immunity</i> , 2015, 83, 1181-1189.	1.0	31
60	Clinical value of C-reactive protein measurements in HIV-positive patients. <i>International Journal of STD and AIDS</i> , 2005, 16, 438-441.	0.5	31
61	HIV-1 Infection of Macrophages Dysregulates Innate Immune Responses to <i>Mycobacterium tuberculosis</i> by Inhibition of Interleukin-10. <i>Journal of Infectious Diseases</i> , 2014, 209, 1055-1065.	1.9	30
62	Pathology of bone marrow in human herpes virus-8 (HHV8)-associated multicentric Castleman disease. <i>British Journal of Haematology</i> , 2004, 127, 585-591.	1.2	29
63	Error, reproducibility and sensitivity: a pipeline for data processing of Agilent oligonucleotide expression arrays. <i>BMC Bioinformatics</i> , 2010, 11, 344.	1.2	29
64	DC Priming by <i>M. vaccae</i> Inhibits Th2 Responses in Contrast to Specific TLR2 Priming and Is Associated with Selective Activation of the CREB Pathway. <i>PLoS ONE</i> , 2011, 6, e18346.	1.1	29
65	Innate immune interferon responses to Human immunodeficiency virus-1 infection. <i>Reviews in Medical Virology</i> , 2012, 22, 257-266.	3.9	29
66	Quantitative IFN- γ Release Assay and Tuberculin Skin Test Results to Predict Incident Tuberculosis. A Prospective Cohort Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 984-991.	2.5	29
67	Cell-type deconvolution with immune pathways identifies gene networks of host defense and immunopathology in leprosy. <i>JCI Insight</i> , 2016, 1, e88843.	2.3	29
68	Genome-Wide Innate Immune Responses in HIV-1-Infected Macrophages Are Preserved Despite Attenuation of the NF- κ B Activation Pathway. <i>Journal of Immunology</i> , 2009, 182, 319-328.	0.4	28
69	Transcriptional response modules characterize IL-1 β and IL-6 activity in COVID-19. <i>iScience</i> , 2021, 24, 101896.	1.9	28
70	Transcriptional profiling of innate and adaptive human immune responses to mycobacteria in the tuberculin skin test. <i>European Journal of Immunology</i> , 2011, 41, 3253-3260.	1.6	27
71	Spatial Network Mapping of Pulmonary Multidrug-Resistant Tuberculosis Cavities Using RNA Sequencing. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 370-380.	2.5	27
72	Exaggerated IL-17A activity in human in vivo recall responses discriminates active tuberculosis from latent infection and cured disease. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	27

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73	Validation of Immune Cell Modules in Multicellular Transcriptomic Data. PLoS ONE, 2017, 12, e0169271.	1.1	27
74	Tumor Necrosis Factor (TNF) Bioactivity at the Site of an Acute Cell-Mediated Immune Response Is Preserved in Rheumatoid Arthritis Patients Responding to Anti-TNF Therapy. Frontiers in Immunology, 2017, 8, 932.	2.2	25
75	Viral infection triggers interferon-induced expulsion of live <i>Cryptococcus neoformans</i> by macrophages. PLoS Pathogens, 2020, 16, e1008240.	2.1	25
76	Prospective validation of the 4C prognostic models for adults hospitalised with COVID-19 using the ISARIC WHO Clinical Characterisation Protocol. Thorax, 2022, 77, 606-615.	2.7	24
77	Cell-type-specific modulation of innate immune signalling by vitamin D in human mononuclear phagocytes. Immunology, 2017, 150, 55-63.	2.0	23
78	Anaerobe-enriched gut microbiota predicts pro-inflammatory responses in pulmonary tuberculosis. EBioMedicine, 2021, 67, 103374.	2.7	22
79	Transcriptional and functional defects of dendritic cells derived from the MUTZ-3 leukaemia line. Immunology, 2009, 127, 429-441.	2.0	21
80	Healthcare Workers Bioresource: Study outline and baseline characteristics of a prospective healthcare worker cohort to study immune protection and pathogenesis in COVID-19. Wellcome Open Research, 2020, 5, 179.	0.9	21
81	Identification of Therapeutic Targets of Inflammatory Monocyte Recruitment to Modulate the Allogeneic Injury to Donor Cornea. , 2015, 56, 7250.		20
82	Blood transcriptomic discrimination of bacterial and viral infections in the emergency department: a multi-cohort observational validation study. BMC Medicine, 2020, 18, 185.	2.3	20
83	Kikuchi's Disease: A Rare Cause of Meningitis?. Clinical Infectious Diseases, 2005, 41, e80-e82.	2.9	18
84	Vitamin D3 replacement enhances antigen-specific immunity in older adults. Immunotherapy Advances, 2021, 1, .	1.2	18
85	HLA-DR polymorphism in SARS-CoV-2 infection and susceptibility to symptomatic COVID-19. Immunology, 2022, 166, 68-77.	2.0	18
86	Transcriptional Profiling of Endobronchial Ultrasound-Guided Lymph Node Samples Aids Diagnosis of Mediastinal Lymphadenopathy. Chest, 2016, 149, 535-544.	0.4	17
87	Assessing the Impact of Sample Heterogeneity on Transcriptome Analysis of Human Diseases Using MDP Webtool. Frontiers in Genetics, 2019, 10, 971.	1.1	17
88	Discovery and validation of a three-gene signature to distinguish COVID-19 and other viral infections in emergency infectious disease presentations: a case-control and observational cohort study. Lancet Microbe, The, 2021, 2, e594-e603.	3.4	17
89	NIX-mediated mitophagy regulate metabolic reprogramming in phagocytic cells during mycobacterial infection. Tuberculosis, 2021, 126, 102046.	0.8	16
90	Kaposi's Sarcoma-Associated Herpesvirus vFLIP and Human T Cell Lymphotropic Virus Type 1 Tax Oncogenic Proteins Activate IÁB Kinase Subunit Á by Different Mechanisms Independent of the Physiological Cytokine-Induced Pathways. Journal of Virology, 2011, 85, 7444-7448.	1.5	15

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91	Persistent T _H Cell Repertoire Perturbation and T _H Cell Activation in HIV After Long Term Treatment. <i>Frontiers in Immunology</i> , 2021, 12, 634489.	2.2	15
92	Analysis tools to quantify dissemination of pathology in zebrafish larvae. <i>Scientific Reports</i> , 2020, 10, 3149.	1.6	14
93	A Linear Epitope in the N-Terminal Domain of CCR5 and Its Interaction with Antibody. <i>PLoS ONE</i> , 2015, 10, e0128381.	1.1	14
94	HIV blocking antibodies following immunisation with chimaeric peptides coding a short N-terminal sequence of the CCR5 receptor. <i>Vaccine</i> , 2008, 26, 5752-5759.	1.7	12
95	Antiviral metabolite 3 β -deoxy-3 α ,4 α -didehydro-cytidine is detectable in serum and identifies acute viral infections including COVID-19. <i>Med</i> , 2022, 3, 204-215.e6.	2.2	12
96	Vpx complementation of β -non-macrophage tropic TM R5 viruses reveals robust entry of infectious HIV-1 cores into macrophages. <i>Retrovirology</i> , 2014, 11, 25.	0.9	11
97	Tissue Metabolic Changes Drive Cytokine Responses to Mycobacterium tuberculosis. <i>Journal of Infectious Diseases</i> , 2018, 218, 165-170.	1.9	11
98	Relative Contributions of Extracellular and Internalized Bacteria to Early Macrophage Proinflammatory Responses to Streptococcus pneumoniae. <i>MBio</i> , 2019, 10, .	1.8	10
99	Evaluation of QuantiFERON-TB Gold Plus for Predicting Incident Tuberculosis among Recent Contacts: A Prospective Cohort Study. <i>Annals of the American Thoracic Society</i> , 2020, 17, 646-650.	1.5	10
100	Healthcare Workers Bioresource: Study outline and baseline characteristics of a prospective healthcare worker cohort to study immune protection and pathogenesis in COVID-19. <i>Wellcome Open Research</i> , 2020, 5, 179.	0.9	10
101	Heterologous infection and vaccination shapes immunity against SARS-CoV-2 variants. <i>Science</i> , 2021, , eabm0811.	6.0	10
102	Are the public getting the message about antimicrobial resistance?. <i>Archives of Public Health</i> , 2015, 73, 55.	1.0	9
103	Trans-activation of the murine dystrophin gene in human-mouse hybrid myotubes. <i>FEBS Letters</i> , 1993, 320, 155-159.	1.3	8
104	Lower motor neuron syndrome and HIV infection. <i>Sexually Transmitted Infections</i> , 2003, 79, 351-351.	0.8	8
105	eICID: An electronic Clinical Infection Database to support integrated clinical services and research in infectious diseases. <i>Journal of Infection</i> , 2015, 71, 402-405.	1.7	8
106	Tuberculous Pericardial Effusion After Coronary Artery Bypass Graft. <i>Annals of Thoracic Surgery</i> , 2006, 82, 1519-1521.	0.7	7
107	Asymptomatic health-care worker screening during the COVID-19 pandemic $\hat{=}$ Authors' reply. <i>Lancet</i> , The, 2020, 396, 1394-1395.	6.3	7
108	Chemical toxicity to keratinocytes triggers dendritic cell activation via an IL-1 β path. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 247-250.e3.	1.5	6

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109	Cohort study protocol: Bioresource in Adult Infectious Diseases (BioAID). Wellcome Open Research, 2018, 3, 97.	0.9	6
110	HIV-1 Vpr drives a tissue residency-like phenotype during selective infection of resting memory TÂcells. Cell Reports, 2022, 39, 110650.	2.9	6
111	Cytomegalovirus ileitis associated with goblet cell carcinoid tumour of the appendix. Journal of Infection, 2007, 54, e153-e156.	1.7	5
112	The immune system as a biomonitor: explorations in innate and adaptive immunity. Interface Focus, 2013, 3, 20120099.	1.5	5
113	Comment on "Transcription Factor FOXO3a Mediates Apoptosis in HIV-1-Infected Macrophages". Journal of Immunology, 2008, 180, 7783.1-7783.	0.4	4
114	Bacterial Disease in HIV-Infected Patients. Journal of Acquired Immune Deficiency Syndromes (1999), 2006, 41, 532-535.	0.9	3
115	New Insights into the Limitations of Host Transcriptional Biomarkers of Tuberculosis. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 1363-1365.	2.5	3
116	AIDS and the lung. Medicine, 2005, 33, 16-21.	0.2	1
117	The clinical and ecological impact of childhood pneumococcal vaccination. British Journal of Hospital Medicine (London, England: 2005), 2013, 74, 212-216.	0.2	1
118	Blood transcriptomic biomarkers for tuberculosis screening: time to redefine our target populations?. The Lancet Global Health, 2021, 9, e736-e737.	2.9	1
119	AIDS and the lung. Medicine, 2004, 32, 134-139.	0.2	0
120	Exploring a combined biomarker for tuberculosis treatment response: protocol for a prospective observational cohort study. BMJ Open, 2021, 11, e052885.	0.8	0