Deepak Kaushal

List of Publications by Year
in descending order

105 papers	6,348 citations	76326 40 h-index	82547 72 g-index
119 all docs	119 docs citations	119 times ranked	7946 citing authors

#	Article	IF	Citations
1	Antiretroviral therapy timing impacts latent tuberculosis infection reactivation in a Mycobacterium tuberculosis/SIV coinfection model. Journal of Clinical Investigation, 2022, 132, .	8.2	9
2	The immunoregulatory landscape of human tuberculosis granulomas. Nature Immunology, 2022, 23, 318-329.	14.5	110
3	Medical imaging of pulmonary disease in SARS-CoV-2-exposed non-human primates. Trends in Molecular Medicine, 2022, 28, 123-142.	6.7	10
4	Modeling SARS-CoV-2: Comparative Pathology in Rhesus Macaque and Golden Syrian Hamster Models. Toxicologic Pathology, 2022, 50, 280-293.	1.8	21
5	Myeloid cell interferon responses correlate with clearance of SARS-CoV-2. Nature Communications, 2022, 13, 679.	12.8	30
6	Assay design for unambiguous identification and quantification of circulating pathogen-derived peptide biomarkers. Theranostics, 2022, 12, 2948-2962.	10.0	3
7	Response to Hypoxia and the Ensuing Dysregulation of Inflammation Impacts <i>Mycobacterium tuberculosis</i> Pathogenicity. American Journal of Respiratory and Critical Care Medicine, 2022, , .	5.6	8
8	Animal Models of COVID-19: Nonhuman Primates. Methods in Molecular Biology, 2022, 2452, 227-258.	0.9	4
9	Peripheral Blood Markers Correlate with the Progression of Active Tuberculosis Relative to Latent Control of Mycobacterium tuberculosis Infection in Macaques. Pathogens, 2022, 11, 544.	2.8	3
10	Human M1 macrophages express unique innate immune response genes after mycobacterial infection to defend against tuberculosis. Communications Biology, 2022, 5, 480.	4.4	14
11	Mycobacterium tuberculosis infection drives a type I IFN signature in lung lymphocytes. Cell Reports, 2022, 39, 110983.	6.4	20
12	The immune landscape in tuberculosis reveals populations linked to disease and latency. Cell Host and Microbe, 2021, 29, 165-178.e8.	11.0	98
13	BNT162b vaccines protect rhesus macaques from SARS-CoV-2. Nature, 2021, 592, 283-289.	27.8	494
14	Biofilm formation in the lung contributes to virulence and drug tolerance of Mycobacterium tuberculosis. Nature Communications, 2021, 12, 1606.	12.8	99
15	IFN signaling and neutrophil degranulation transcriptional signatures are induced during SARS-CoV-2 infection. Communications Biology, 2021, 4, 290.	4.4	74
16	Visualizing the dynamics of tuberculosis pathology using molecular imaging. Journal of Clinical Investigation, 2021, 131, .	8.2	12
17	A non-canonical type 2 immune response coordinates tuberculous granuloma formation and epithelialization. Cell, 2021, 184, 1757-1774.e14.	28.9	63
18	Using genomic DNA copies to enumerate Mycobacterium tuberculosis load in macaque tissue samples. Tuberculosis, 2021, 129, 102102.	1.9	1

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19	Characterizing Early T Cell Responses in Nonhuman Primate Model of Tuberculosis. Frontiers in Immunology, 2021, 12, 706723.	4.8	9
20	Lung Epithelial Signaling Mediates Early Vaccine-Induced CD4⁺T Cell Activation and<i>Mycobacterium tuberculosis</i>Control. MBio, 2021, 12, e0146821.	4.1	11
21	Responses to acute infection with SARS-CoV-2 in the lungs of rhesus macaques, baboons and marmosets. Nature Microbiology, 2021, 6, 73-86.	13.3	156
22	Robust IgM responses following intravenous vaccination with Bacille Calmetteâ€“GuÃ©rin associate with prevention of Mycobacterium tuberculosis infection in macaques. Nature Immunology, 2021, 22, 1515-1523.	14.5	55
23	Understanding COVID-19: From Dysregulated Immunity to Vaccination Status Quo. Frontiers in Immunology, 2021, 12, 765349.	4.8	5
24	Myeloid-Derived Suppressor Cells Mediate T Cell Dysfunction in Nonhuman Primate TB Granulomas. MBio, 2021, 12, e0318921.	4.1	10
25	Isoniazid and Rifapentine Treatment Eradicates Persistent Mycobacterium tuberculosis in Macaques. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 469-477.	5.6	15
26	Mycobacterium tuberculosis HN878 Infection Induces Human-Like B-Cell Follicles in Mice. Journal of Infectious Diseases, 2020, 221, 1636-1646.	4.0	15
27	Lethality of SARS-CoV-2 infection in K18 human angiotensin-converting enzyme 2 transgenic mice. Nature Communications, 2020, 11, 6122.	12.8	304
28	sncRNA-1 Is a Small Noncoding RNA Produced by Mycobacterium tuberculosis in Infected Cells That Positively Regulates Genes Coupled to Oleic Acid Biosynthesis. Frontiers in Microbiology, 2020, 11, 1631.	3.5	3
29	Vaccine strategies for the Mtb/HIV copandemic. Npj Vaccines, 2020, 5, 95.	6.0	6
30	Chronic Immune Activation in TB/HIV Co-infection. Trends in Microbiology, 2020, 28, 619-632.	7.7	33
31	Toward a Macaque Model of HIV-1 Infection: Roadblocks, Progress, and Future Strategies. Frontiers in Microbiology, 2020, 11, 882.	3.5	18
32	Formation of Lung Inducible Bronchus Associated Lymphoid Tissue Is Regulated by Mycobacterium tuberculosis Expressed Determinants. Frontiers in Immunology, 2020, 11, 1325.	4.8	11
33	Immune correlates of tuberculosis disease and risk translate across species. Science Translational Medicine, 2020, 12, .	12.4	52
34	Pulmonary Mycobacterium tuberculosis control associates with CXCR3- and CCR6-expressing antigen-specific Th1 and Th17 cell recruitment. JCI Insight, 2020, 5, .	5.0	47
35	S100A8/A9 regulates CD11b expression and neutrophil recruitment during chronic tuberculosis. Journal of Clinical Investigation, 2020, 130, 3098-3112.	8.2	85
36	Antiretroviral therapy does not reduce tuberculosis reactivation in a tuberculosis-HIV coinfection model. Journal of Clinical Investigation, 2020, 130, 5171-5179.	8.2	31

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37	Tuberculosis-associated IFN-I induces Siglec-1 on tunneling nanotubes and favors HIV-1 spread in macrophages. ELife, 2020, 9, .	6.0	31
38	The current state of animal models and genomic approaches towards identifying and validating molecular determinants of<i>Mycobacterium tuberculosis</i>infection and tuberculosis disease. Pathogens and Disease, 2019, 77, .	2.0	32
39	Mycobacterium tuberculosis sensor kinase DosS modulates the autophagosome in a DosR-independent manner. Communications Biology, 2019, 2, 349.	4.4	19
40	Group 3 innate lymphoid cells mediate early protective immunity against tuberculosis. Nature, 2019, 570, 528-532.	27.8	153
41	Mucosal-activated invariant T cells do not exhibit significant lung recruitment and proliferation profiles in macaques in response to infection with Mycobacterium tuberculosis CDC1551. Tuberculosis, 2019, 116, S11-S18.	1.9	17
42	Friend or Foe: The Protective and Pathological Roles of Inducible Bronchus-Associated Lymphoid Tissue in Pulmonary Diseases. Journal of Immunology, 2019, 202, 2519-2526.	0.8	51
43	The Comeback Kid: BCG. Journal of Infectious Diseases, 2019, 221, 1031-1032.	4.0	12
44	Tuberculosis Exacerbates HIV-1 Infection through IL-10/STAT3-Dependent Tunneling Nanotube Formation in Macrophages. Cell Reports, 2019, 26, 3586-3599.e7.	6.4	76
45	HIV-1 and SIV Infection Are Associated with Early Loss of Lung Interstitial CD4+ T Cells and Dissemination of Pulmonary Tuberculosis. Cell Reports, 2019, 26, 1409-1418.e5.	6.4	54
46	Mechanisms of reactivation of latent tuberculosis infection due to SIV coinfection. Journal of Clinical Investigation, 2019, 129, 5254-5260.	8.2	52
47	Toward Tuberculosis Vaccine Development: Recommendations for Nonhuman Primate Study Design. Infection and Immunity, 2018, 86, .	2.2	27
48	High Turnover of Tissue Macrophages Contributes to Tuberculosis Reactivation in Simian Immunodeficiency Virus-Infected Rhesus Macaques. Journal of Infectious Diseases, 2018, 217, 1865-1874.	4.0	44
49	In vivo inhibition of tryptophan catabolism reorganizes the tuberculoma and augments immune-mediated control of<i>Mycobacterium tuberculosis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E62-E71.	7.1	150
50	A High Throughput Whole Blood Assay for Analysis of Multiple Antigen-Specific T Cell Responses in Human <i>Mycobacterium tuberculosis</i> Infection. Journal of Immunology, 2018, 200, 3008-3019.	0.8	11
51	Opening Pandoraâ€™s Box: Mechanisms of Mycobacterium tuberculosis Resuscitation. Trends in Microbiology, 2018, 26, 145-157.	7.7	44
52	Pathogenesis and Animal Models of Post-Primary (Bronchogenic) Tuberculosis, A Review. Pathogens, 2018, 7, 19.	2.8	28
53	A novel role for Câ€“C motif chemokine receptor 2 during infection with hypervirulent Mycobacterium tuberculosis. Mucosal Immunology, 2018, 11, 1727-1742.	6.0	43
54	Hypoxia Sensing and Persistence Genes Are Expressed during the Intragranulomatous Survival of <i>Mycobacterium tuberculosis</i>. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 637-647.	2.9	50

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55	Translational Research in the Nonhuman Primate Model of Tuberculosis. ILAR Journal, 2017, 58, 151-159.	1.8	41
56	Host sirtuin 1 regulates mycobacterial immunopathogenesis and represents a therapeutic target against tuberculosis. Science Immunology, 2017, 2, .	11.9	104
57	Nonpathologic Infection of Macaques by an Attenuated Mycobacterial Vaccine Is Not Reactivated in the Setting of HIV Co-Infection. American Journal of Pathology, 2017, 187, 2811-2820.	3.8	12
58	LAG-3 potentiates the survival of Mycobacterium tuberculosis in host phagocytes by modulating mitochondrial signaling in an in-vitro granuloma model. PLoS ONE, 2017, 12, e0180413.	2.5	20
59	Immunomodulatory effects of tick saliva on dermal cells exposed to Borrelia burgdorferi, the agent of Lyme disease. Parasites and Vectors, 2016, 9, 394.	2.5	31
60	CD4 ⁺ T-cellâ€“independent mechanisms suppress reactivation of latent tuberculosis in a macaque model of HIV coinfection. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5636-44.	7.1	123
61	Sequencing-relative to hybridization-based transcriptomics approaches better define Mycobacterium tuberculosis stress-response regulons. Tuberculosis, 2016, 101, S9-S17.	1.9	10
62	In-Vivo Gene Signatures of Mycobacterium tuberculosis in C3HeB/FeJ Mice. PLoS ONE, 2015, 10, e0135208.	2.5	24
63	Mycobacterium tuberculosis. Journal of Immunology Research, 2015, 2015, 1-2.	2.2	5
64	LAG3 Expression in Active Mycobacterium tuberculosis Infections. American Journal of Pathology, 2015, 185, 820-833.	3.8	70
65	The DosR Regulon Modulates Adaptive Immunity and Is Essential for <i>Mycobacterium tuberculosis</i> Persistence. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 1185-1196.	5.6	142
66	A tuberculosis ontology for host systems biology. Tuberculosis, 2015, 95, 570-574.	1.9	11
67	Mucosal vaccination with attenuated Mycobacterium tuberculosis induces strong central memory responses and protects against tuberculosis. Nature Communications, 2015, 6, 8533.	12.8	196
68	The TB-specific CD4+ T cell immune repertoire in both cynomolgus and rhesus macaques largely overlap with humans. Tuberculosis, 2015, 95, 722-735.	1.9	39
69	DosS Is Required for the Complete Virulence of <i>Mycobacterium tuberculosis</i> in Mice with Classical Granulomatous Lesions. American Journal of Respiratory Cell and Molecular Biology, 2015, 52, 708-716.	2.9	48
70	The Mycobacterium tuberculosis Clp Gene Regulator Is Required for in Vitro Reactivation from Hypoxia-induced Dormancy. Journal of Biological Chemistry, 2015, 290, 2351-2367.	3.4	52
71	The Mycobacterium tuberculosis Rv2745c Plays an Important Role in Responding to Redox Stress. PLoS ONE, 2014, 9, e93604.	2.5	39
72	Role of TNF in the Altered Interaction of Dormant Mycobacterium tuberculosis with Host Macrophages. PLoS ONE, 2014, 9, e95220.	2.5	30

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73	Identification of biomarkers for tuberculosis susceptibility via integrated analysis of gene expression and longitudinal clinical data. Frontiers in Genetics, 2014, 5, 240.	2.3	14
74	Unexpected Role for IL-17 in Protective Immunity against Hypervirulent Mycobacterium tuberculosis HN878 Infection. PLoS Pathogens, 2014, 10, e1004099.	4.7	222
75	Microdissection approaches in tuberculosis research. Journal of Medical Primatology, 2014, 43, 294-297.	0.6	8
76	Humoral and lung immune responses to Mycobacterium tuberculosis infection in a primate model of protection. Trials in Vaccinology, 2014, 3, 47-51.	1.2	20
77	Aerosol Vaccination with AERAS-402 Elicits Robust Cellular Immune Responses in the Lungs of Rhesus Macaques but Fails To Protect against High-Dose <i>Mycobacterium tuberculosis</i> Challenge. Journal of Immunology, 2014, 193, 1799-1811.	0.8	87
78	A Novel Microdissection Approach to Recovering Mycobacterium tuberculosis Specific Transcripts from Formalin Fixed Paraffin Embedded Lung Granulomas. Journal of Visualized Experiments, 2014, , .	0.3	4
79	Role of Interleukin 6 in Innate Immunity to Mycobacterium tuberculosis Infection. Journal of Infectious Diseases, 2013, 207, 1253-1261.	4.0	121
80	S100A8/A9 Proteins Mediate Neutrophilic Inflammation and Lung Pathology during Tuberculosis. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 1137-1146.	5.6	216
81	Granuloma Correlates of Protection Against Tuberculosis and Mechanisms of Immune Modulation by Mycobacterium tuberculosis. Journal of Infectious Diseases, 2013, 207, 1115-1127.	4.0	104
82	How well do you know your monkeys?. Journal of Medical Primatology, 2013, 42, 48-49.	0.6	1
83	Expression levels of 10 candidate genes in lung tissue of vaccinated and <scp>TB</scp>â€infected cynomolgus macaques. Journal of Medical Primatology, 2013, 42, 161-164.	0.6	12
84	CXCR5+ T helper cells mediate protective immunity against tuberculosis. Journal of Clinical Investigation, 2013, 123, 712-26.	8.2	203
85	The Mycobacterium tuberculosis Stress Response Factor SigH Is Required for Bacterial Burden as Well as Immunopathology in Primate Lungs. Journal of Infectious Diseases, 2012, 205, 1203-1213.	4.0	74
86	Eicosanoids, Prostaglandins, and the Progression of Tuberculosis. Journal of Infectious Diseases, 2012, 206, 1803-1805.	4.0	7
87	Increased Expression of P-Glycoprotein and Doxorubicin Chemoresistance of Metastatic Breast Cancer Is Regulated by miR-298. American Journal of Pathology, 2012, 180, 2490-2503.	3.8	236
88	The Stress-Response Factor SigH Modulates the Interaction between Mycobacterium tuberculosis and Host Phagocytes. PLoS ONE, 2012, 7, e28958.	2.5	57
89	Faithful Experimental Models of Human Mycobacterium Tuberculosis Infection. Mycobacterial Diseases: Tuberculosis & Leprosy, 2012, 02, .	0.1	12
90	Improved Xenobiotic Metabolism and Reduced Susceptibility to Cancer in Gluten-Sensitive Macaques upon Introduction of a Gluten-Free Diet. PLoS ONE, 2011, 6, e18648.	2.5	13

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91	Reactivation of latent tuberculosis in rhesus macaques by coinfection with simian immunodeficiency virus. Journal of Medical Primatology, 2011, 40, 233-243.	0.6	111
92	Interleukin-10 Alters Effector Functions of Multiple Genes Induced by Borrelia burgdorferi in Macrophages To Regulate Lyme Disease Inflammation. Infection and Immunity, 2011, 79, 4876-4892.	2.2	50
93	A Mycobacterium tuberculosis Sigma Factor Network Responds to Cell-Envelope Damage by the Promising Anti-Mycobacterial Thioridazine. PLoS ONE, 2010, 5, e10069.	2.5	84
94	Transcriptional Reprogramming in Nonhuman Primate (Rhesus Macaque) Tuberculosis Granulomas. PLoS ONE, 2010, 5, e12266.	2.5	98
95	Genetic Requirements for the Survival of Tubercle Bacilli in Primates. Journal of Infectious Diseases, 2010, 201, 1743-1752.	4.0	159
96	Mycobacterium tuberculosisMT2816 Encodes a Key Stressâ€Response Regulator. Journal of Infectious Diseases, 2010, 202, 943-953.	4.0	28
97	Functional Genomics Reveals Extended Roles of the <i>Mycobacterium tuberculosis</i> Stress Response Factor Ïƒ ^H. Journal of Bacteriology, 2009, 191, 3965-3980.	2.2	78
98	SOCS3 and ILâ€10 antiâ€inflammatory activity in Lyme disease. FASEB Journal, 2008, 22, 860.17.	0.5	1
99	An Overview of Spotfire for Geneâ€Expression Studies. Current Protocols in Human Genetics, 2005, 45, Unit 11.9.	3.5	2
100	Attenuation of Late-Stage Disease in Mice Infected bythe Mycobacterium tuberculosis Mutant Lacking theSigF Alternate Sigma Factor and Identification ofSigF-Dependent Genes by MicroarrayAnalysis. Infection and Immunity, 2004, 72, 1733-1745.	2.2	95
101	Analyzing and Visualizing Expression Data with Spotfire. Current Protocols in Bioinformatics, 2004, 7, Unit 7.9.	25.8	16
102	An Overview of Spotfire for Geneâ€Expression Studies. Current Protocols in Bioinformatics, 2004, 6, Unit 7.7.	25.8	4
103	Loading and Preparing Data for Analysis in Spotfire. Current Protocols in Bioinformatics, 2004, 6, Unit 7.8.	25.8	3
104	Reduced immunopathology and mortality despite tissue persistence in a<i>Mycobacterium tuberculosis</i>mutant lacking alternative Ïƒ factor, SigH. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8330-8335.	7.1	225
105	Tuberculosis Boosts HIV-1 Production by Macrophages Through IL-10/STAT3-Dependent Tunneling Nanotube Formation. SSRN Electronic Journal, 0, , .	0.4	1