

# Deepak A Rao

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

5,939  
citations

147566

31  
h-index

95083

68  
g-index

97  
all docs

97  
docs citations

97  
times ranked

8177  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathologically expanded peripheral T helper cell subset drives B cells in rheumatoid arthritis. <i>Nature</i> , 2017, 542, 110-114.	13.7	767
2	Defining inflammatory cell states in rheumatoid arthritis joint synovial tissues by integrating single-cell transcriptomics and mass cytometry. <i>Nature Immunology</i> , 2019, 20, 928-942.	7.0	760
3	The immune cell landscape in kidneys of patients with lupus nephritis. <i>Nature Immunology</i> , 2019, 20, 902-914.	7.0	501
4	Tissue-engineered vascular grafts transform into mature blood vessels via an inflammation-mediated process of vascular remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4669-4674.	3.3	495
5	Interleukin-17 and Interferon- $\gamma$ Are Produced Concomitantly by Human Coronary Artery-Infiltrating T Cells and Act Synergistically on Vascular Smooth Muscle Cells. <i>Circulation</i> , 2009, 119, 1424-1432.	1.6	369
6	Functionally distinct disease-associated fibroblast subsets in rheumatoid arthritis. <i>Nature Communications</i> , 2018, 9, 789.	5.8	368
7	PD-1hiCXCR5+ T peripheral helper cells promote B cell responses in lupus via MAF and IL-21. <i>JCI Insight</i> , 2019, 4, .	2.3	171
8	HBEGF+ macrophages in rheumatoid arthritis induce fibroblast invasiveness. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	143
9	T Cells That Help B Cells in Chronically Inflamed Tissues. <i>Frontiers in Immunology</i> , 2018, 9, 1924.	2.2	132
10	Adverse Effects of Low-Dose Methotrexate. <i>Annals of Internal Medicine</i> , 2020, 172, 369.	2.0	126
11	Mixed-effects association of single cells identifies an expanded effector CD4+ T cell subset in rheumatoid arthritis. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	119
12	Smooth Muscle Cell Reprogramming in Aortic Aneurysms. <i>Cell Stem Cell</i> , 2020, 26, 542-557.e11.	5.2	114
13	Extrapulmonary Manifestations of Sarcoidosis. <i>Rheumatic Disease Clinics of North America</i> , 2013, 39, 277-297.	0.8	99
14	Methods for high-dimensional analysis of cells dissociated from cryopreserved synovial tissue. <i>Arthritis Research and Therapy</i> , 2018, 20, 139.	1.6	93
15	Allele-specific expression changes dynamically during T cell activation in HLA and other autoimmune loci. <i>Nature Genetics</i> , 2020, 52, 247-253.	9.4	85
16	IL-1 $\beta$ and IL-1 $\gamma$ Are Endogenous Mediators Linking Cell Injury to the Adaptive Alloimmune Response. <i>Journal of Immunology</i> , 2007, 179, 6536-6546.	0.4	83
17	Interleukin (IL)-1 promotes allogeneic T cell intimal infiltration and IL-17 production in a model of human artery rejection. <i>Journal of Experimental Medicine</i> , 2008, 205, 3145-3158.	4.2	80
18	Granzyme K+ CD8 T cells form a core population in inflamed human tissue. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	74

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19	Immune cell profiling to guide therapeutic decisions in rheumatic diseases. <i>Nature Reviews Rheumatology</i> , 2015, 11, 541-551.	3.5	62
20	Circulating CXCR5 <sup>hi</sup> PD-1 <sup>hi</sup> peripheral T helper cells are associated with progression to type 1 diabetes. <i>Diabetologia</i> , 2019, 62, 1681-1688.	2.9	57
21	Integrated urine proteomics and renal single-cell genomics identify an IFN- $\gamma$ response gradient in lupus nephritis. <i>JCI Insight</i> , 2020, 5, .	2.3	57
22	<i>TET2</i> -mutant clonal hematopoiesis and risk of gout. <i>Blood</i> , 2022, 140, 1094-1103.	0.6	57
23	Neutralizing IL-6 Reduces Human Arterial Allograft Rejection by Allowing Emergence of CD161 <sup>+</sup> CD4 <sup>+</sup> Regulatory T Cells. <i>Journal of Immunology</i> , 2011, 187, 6268-6280.	0.4	54
24	Clarifying the boundaries between the inflammatory and dystrophic myopathies: insights from molecular diagnostics and microarrays. <i>Rheumatic Disease Clinics of North America</i> , 2002, 28, 743-757.	0.8	52
25	A molecular signature of preclinical rheumatoid arthritis triggered by dysregulated PTPN22. <i>JCI Insight</i> , 2016, 1, e90045.	2.3	50
26	Integrated genomic analyses of cutaneous T-cell lymphomas reveal the molecular bases for disease heterogeneity. <i>Blood</i> , 2021, 138, 1225-1236.	0.6	49
27	Design and application of single-cell RNA sequencing to study kidney immune cells in lupus nephritis. <i>Nature Reviews Nephrology</i> , 2020, 16, 238-250.	4.1	48
28	Arthritis flares mediated by tissue-resident memory T cells in the joint. <i>Cell Reports</i> , 2021, 37, 109902.	2.9	44
29	Th17 reprogramming of T cells in systemic juvenile idiopathic arthritis. <i>JCI Insight</i> , 2020, 5, .	2.3	43
30	Endothelial Injury, Alarmins, and Allograft Rejection. <i>Critical Reviews in Immunology</i> , 2008, 28, 229-248.	1.0	41
31	IL-1 $\beta$ -driven osteoclastogenic Tregs accelerate bone erosion in arthritis. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	40
32	T peripheral helper cells in autoimmune diseases*. <i>Immunological Reviews</i> , 2022, 307, 191-202.	2.8	39
33	Dysferlin Deficiency Shows Compensatory Induction of Rab27A/Slp2a That May Contribute to Inflammatory Onset. <i>American Journal of Pathology</i> , 2008, 173, 1476-1487.	1.9	38
34	Urine Proteomics and Renal Single-Cell Transcriptomics Implicate Interleukin-6 in Lupus Nephritis. <i>Arthritis and Rheumatology</i> , 2022, 74, 829-839.	2.9	38
35	Alloimmunity to Human Endothelial Cells Derived from Cord Blood Progenitors. <i>Journal of Immunology</i> , 2007, 179, 7488-7496.	0.4	37
36	Repertoire analyses reveal T cell antigen receptor sequence features that influence T cell fate. <i>Nature Immunology</i> , 2022, 23, 446-457.	7.0	37

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37	Discovering in vivo cytokine-eQTL interactions from a lupus clinical trial. <i>Genome Biology</i> , 2018, 19, 168.	3.8	36
38	SLAMF7 engagement superactivates macrophages in acute and chronic inflammation. <i>Science Immunology</i> , 2022, 7, eabf2846.	5.6	31
39	The Immunopathology of Giant Cell Arteritis Across Disease Spectra. <i>Frontiers in Immunology</i> , 2021, 12, 623716.	2.2	30
40	Reperfusion Injury Intensifies the Adaptive Human T Cell Alloresponse in a Human-Mouse Chimeric Artery Model. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 353-360.	1.1	25
41	Multiplexed enrichment and genomic profiling of peripheral blood cells reveal subset-specific immune signatures. <i>Science Advances</i> , 2019, 5, eaau9223.	4.7	25
42	Transforming Growth Factor Beta Expression by Human Vascular Cells Inhibits Interferon Gamma Production and Arterial Media Injury by Alloreactive Memory T Cells. <i>American Journal of Transplantation</i> , 2011, 11, 2332-2341.	2.6	24
43	Serp1b1 controls encephalitogenic T helper cells in neuroinflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20635-20643.	3.3	23
44	Effect of JAK Inhibition on the Induction of Proinflammatory HLA-DR+ CD90+ Rheumatoid Arthritis Synovial Fibroblasts by Interferon- $\beta$ . <i>Arthritis and Rheumatology</i> , 2022, 74, 441-452.	2.9	20
45	Single-cell transcriptomics reveals distinct effector profiles of infiltrating T cells in lupus skin and kidney. <i>JCI Insight</i> , 2022, 7, .	2.3	20
46	Myeloperoxidase-antineutrophil Cytoplasmic Antibodies (MPO-ANCA) and Proteinase 3-ANCA without Immunofluorescent ANCA Found by Routine Clinical Testing. <i>Journal of Rheumatology</i> , 2015, 42, 847-852.	1.0	19
47	Amelioration of Human Allograft Arterial Injury by Atorvastatin or Simvastatin Correlates With Reduction of Interferon- $\beta$ Production by Infiltrating T Cells. <i>Transplantation</i> , 2008, 86, 719-727.	0.5	18
48	Longitudinal Immune Cell Profiling in Patients With Early Systemic Lupus Erythematosus. <i>Arthritis and Rheumatology</i> , 2022, 74, 1808-1821.	2.9	18
49	CXCL12 Induction of Inducible Nitric Oxide Synthase in Human CD8 T Cells. <i>Journal of Heart and Lung Transplantation</i> , 2008, 27, 1333-1339.	0.3	17
50	Plateletpheresis-associated lymphopenia in frequent platelet donors. <i>Blood</i> , 2019, 133, 605-614.	0.6	17
51	Leveraging blood and tissue CD4+ T cell heterogeneity at the single cell level to identify mechanisms of disease in rheumatoid arthritis. <i>Current Opinion in Immunology</i> , 2017, 49, 27-36.	2.4	15
52	Ageing and interferon gamma response drive the phenotype of neutrophils in the inflamed joint. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 805-814.	0.5	11
53	Platelets signal and tumors take off. <i>Blood</i> , 2012, 120, 4667-4668.	0.6	10
54	Identification of T Peripheral Helper (Tph) Cells. <i>Methods in Molecular Biology</i> , 2022, 2380, 59-76.	0.4	10

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55	The Power of Systems Biology. <i>Rheumatic Disease Clinics of North America</i> , 2021, 47, 335-350.	0.8	9
56	Rheumatoid arthritis disease activity assessed by patient-reported outcomes and flow cytometry before and after an additional dose of COVID-19 vaccine. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 1045-1048.	0.5	9
57	Rheumatoid arthritis-associated RBPJ polymorphism alters memory CD4 <sup>+</sup> T cells. <i>Human Molecular Genetics</i> , 2016, 25, 404-417.	1.4	8
58	Patterns of T Cell Phenotypes in Rheumatic Diseases From Single Cell Studies of Tissue. <i>ACR Open Rheumatology</i> , 2021, 3, 601-613.	0.9	8
59	The rise of peripheral T helper cells in autoimmune disease. <i>Nature Reviews Rheumatology</i> , 2019, 15, 453-454.	3.5	6
60	High incidence of proliferative and membranous nephritis in SLE patients with low proteinuria in the Accelerating Medicines Partnership. <i>Rheumatology</i> , 2022, 61, 4335-4343.	0.9	6
61	Utilizing a PTPN22 gene signature to predict response to targeted therapies in rheumatoid arthritis. <i>Journal of Autoimmunity</i> , 2019, 101, 121-130.	3.0	5
62	Promise and complexity of lupus mouse models. <i>Nature Immunology</i> , 2021, 22, 683-686.	7.0	5
63	Safety of procuring research tissue during a clinically indicated kidney biopsy from patients with lupus: data from the Accelerating Medicines Partnership RA/SLE Network. <i>Lupus Science and Medicine</i> , 2021, 8, e000522.	1.1	5
64	In the Thick of It. <i>New England Journal of Medicine</i> , 2013, 368, 1732-1738.	13.9	4
65	The Association between Clonal Hematopoiesis and Gout. <i>Blood</i> , 2021, 138, 595-595.	0.6	4
66	AI-19 T peripheral helper cells are expanded in the circulation of active SLE patients and correlate with CD21 <sup>low</sup> B cells. , 2018, , .		2
67	Gray platelet syndrome: immunity goes awry. <i>Blood</i> , 2020, 136, 1898-1900.	0.6	2
68	Mass Cytometry Identifies T Cell Populations Associated with Severe Hepatotoxicity in CLL Patients on Upfront Idelalisib. <i>Blood</i> , 2018, 132, 4413-4413.	0.6	2
69	Editorial: Lymphocyte Highs and Lows With Baricitinib. <i>Arthritis and Rheumatology</i> , 2018, 70, 1897-1900.	2.9	0
70	AB1079 CHECKPOINT INHIBITOR-ASSOCIATED ARTHRITIS: PHENOTYPES AND CYTOKINE ASSOCIATIONS. , 2019, , .		0
71	AB0167 SINGLE CELL RNA EXPRESSION IN LUPUS NEPHRITIS COMPARING AFRICAN-AMERICAN AND CAUCASIAN PATIENTS IDENTIFIES DIFFERENTIAL EXPRESSION OF TYPE I INTERFERON PATHWAY. , 2019, , .		0