Deepak A Rao

List of Publications by Year
in descending order

71 papers	5,939 citations	136950 32 h-index	95266 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. Nature, 2017, 542, 110-114.	27.8	767
2	Defining inflammatory cell states in rheumatoid arthritis joint synovial tissues by integrating single-cell transcriptomics and mass cytometry. Nature Immunology, 2019, 20, 928-942.	14.5	760
3	The immune cell landscape in kidneys of patients with lupus nephritis. Nature Immunology, 2019, 20, 902-914.	14.5	501
4	Tissue-engineered vascular grafts transform into mature blood vessels via an inflammation-mediated process of vascular remodeling. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4669-4674.	7.1	495
5	Interleukin-17 and Interferon-Î³ Are Produced Concomitantly by Human Coronary Arteryâ€“Infiltrating T Cells and Act Synergistically on Vascular Smooth Muscle Cells. Circulation, 2009, 119, 1424-1432.	1.6	369
6	Functionally distinct disease-associated fibroblast subsets in rheumatoid arthritis. Nature Communications, 2018, 9, 789.	12.8	368
7	PD-1hiCXCR5â€“ T peripheral helper cells promote B cell responses in lupus via MAF and IL-21. JCI Insight, 2019, 4, .	5.0	171
8	HBEGF ⁺ macrophages in rheumatoid arthritis induce fibroblast invasiveness. Science Translational Medicine, 2019, 11, .	12.4	143
9	T Cells That Help B Cells in Chronically Inflamed Tissues. Frontiers in Immunology, 2018, 9, 1924.	4.8	132
10	Adverse Effects of Low-Dose Methotrexate. Annals of Internal Medicine, 2020, 172, 369.	3.9	126
11	Mixed-effects association of single cells identifies an expanded effector CD4 ⁺ T cell subset in rheumatoid arthritis. Science Translational Medicine, 2018, 10, .	12.4	119
12	Smooth Muscle Cell Reprogramming in Aortic Aneurysms. Cell Stem Cell, 2020, 26, 542-557.e11.	11.1	114
13	Extrapulmonary Manifestations of Sarcoidosis. Rheumatic Disease Clinics of North America, 2013, 39, 277-297.	1.9	99
14	Methods for high-dimensional analysis of cells dissociated from cryopreserved synovial tissue. Arthritis Research and Therapy, 2018, 20, 139.	3.5	93
15	Allele-specific expression changes dynamically during T cell activation in HLA and other autoimmune loci. Nature Genetics, 2020, 52, 247-253.	21.4	85
16	IL-1Î± and IL-1Î² Are Endogenous Mediators Linking Cell Injury to the Adaptive Alloimmune Response. Journal of Immunology, 2007, 179, 6536-6546.	0.8	83
17	Interleukin (IL)-1 promotes allogeneic T cell intimal infiltration and IL-17 production in a model of human artery rejection. Journal of Experimental Medicine, 2008, 205, 3145-3158.	8.5	80
18	Granzyme K ⁺ CD8 T cells form a core population in inflamed human tissue. Science Translational Medicine, 2022, 14, .	12.4	74

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19	Immune cell profiling to guide therapeutic decisions in rheumatic diseases. Nature Reviews Rheumatology, 2015, 11, 541-551.	8.0	62
20	Circulating CXCR5â^'PD-1hi peripheral T helper cells are associated with progression to type 1 diabetes. Diabetologia, 2019, 62, 1681-1688.	6.3	57
21	Integrated urine proteomics and renal single-cell genomics identify an IFN-Î³ response gradient in lupus nephritis. JCI Insight, 2020, 5, .	5.0	57
22	TET2-mutant clonal hematopoiesis and risk of gout. Blood, 2022, 140, 1094-1103.	1.4	57
23	Neutralizing IL-6 Reduces Human Arterial Allograft Rejection by Allowing Emergence of CD161+ CD4+ Regulatory T Cells. Journal of Immunology, 2011, 187, 6268-6280.	0.8	54
24	Clarifying the boundaries between the inflammatory and dystrophic myopathies: insights from molecular diagnostics and microarrays. Rheumatic Disease Clinics of North America, 2002, 28, 743-757.	1.9	52
25	A molecular signature of preclinical rheumatoid arthritis triggered by dysregulated PTPN22. JCI Insight, 2016, 1, e90045.	5.0	50
26	Integrated genomic analyses of cutaneous T-cell lymphomas reveal the molecular bases for disease heterogeneity. Blood, 2021, 138, 1225-1236.	1.4	49
27	Design and application of single-cell RNA sequencing to study kidney immune cells in lupus nephritis. Nature Reviews Nephrology, 2020, 16, 238-250.	9.6	48
28	Arthritis flares mediated by tissue-resident memory TÂcells in the joint. Cell Reports, 2021, 37, 109902.	6.4	44
29	Th17 reprogramming of T cells in systemic juvenile idiopathic arthritis. JCI Insight, 2020, 5, .	5.0	43
30	Endothelial Injury, Alarmins, and Allog raft Rejection. Critical Reviews in Immunology, 2008, 28, 229-248.	0.5	41
31	IL-1Î²â€“driven osteoclastogenic Tregs accelerate bone erosion in arthritis. Journal of Clinical Investigation, 2021, 131, .	8.2	40
32	T peripheral helper cells in autoimmune diseases*. Immunological Reviews, 2022, 307, 191-202.	6.0	39
33	Dysferlin Deficiency Shows Compensatory Induction of Rab27A/Slp2a That May Contribute to Inflammatory Onset. American Journal of Pathology, 2008, 173, 1476-1487.	3.8	38
34	Urine Proteomics and Renal <scp>Singleâ€Cell</scp> Transcriptomics Implicate Interleukinâ€16 in Lupus Nephritis. Arthritis and Rheumatology, 2022, 74, 829-839.	5.6	38
35	Alloimmunity to Human Endothelial Cells Derived from Cord Blood Progenitors. Journal of Immunology, 2007, 179, 7488-7496.	0.8	37
36	Repertoire analyses reveal T cell antigen receptor sequence features that influence T cell fate. Nature Immunology, 2022, 23, 446-457.	14.5	37

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37	Discovering in vivo cytokine-eQTL interactions from a lupus clinical trial. Genome Biology, 2018, 19, 168.	8.8	36
38	SLAMF7 engagement superactivates macrophages in acute and chronic inflammation. Science Immunology, 2022, 7, eabf2846.	11.9	31
39	The Immunopathology of Giant Cell Arteritis Across Disease Spectra. Frontiers in Immunology, 2021, 12, 623716.	4.8	30
40	Reperfusion Injury Intensifies the Adaptive Human T Cell Alloresponse in a Human-Mouse Chimeric Artery Model. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 353-360.	2.4	25
41	Multiplexed enrichment and genomic profiling of peripheral blood cells reveal subset-specific immune signatures. Science Advances, 2019, 5, eaau9223.	10.3	25
42	Transforming Growth Factor Beta Expression by Human Vascular Cells Inhibits Interferon Gamma Production and Arterial Media Injury by Alloreactive Memory T Cells. American Journal of Transplantation, 2011, 11, 2332-2341.	4.7	24
43	SerpinB1 controls encephalitogenic T helper cells in neuroinflammation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20635-20643.	7.1	23
44	Effect of <scp>JAK</scp> Inhibition on the Induction of Proinflammatory <scp>HLA</scp>â€“<scp>DR</scp>+<scp>CD90</scp>+ Rheumatoid Arthritis Synovial Fibroblasts by Interferonâ€Î³. Arthritis and Rheumatology, 2022, 74, 441-452.	5.6	20
45	Single-cell transcriptomics reveals distinct effector profiles of infiltrating T cells in lupus skin and kidney. JCI Insight, 2022, 7, .	5.0	20
46	Myeloperoxidase-antineutrophil Cytoplasmic Antibodies (MPO-ANCA) and Proteinase 3-ANCA without Immunofluorescent ANCA Found by Routine Clinical Testing. Journal of Rheumatology, 2015, 42, 847-852.	2.0	19
47	Amelioration of Human Allograft Arterial Injury by Atorvastatin or Simvastatin Correlates With Reduction of Interferon-Î³ Production by Infiltrating T Cells. Transplantation, 2008, 86, 719-727.	1.0	18
48	Longitudinal Immune Cell Profiling in Patients With Early Systemic Lupus Erythematosus. Arthritis and Rheumatology, 2022, 74, 1808-1821.	5.6	18
49	CXCL12 Induction of Inducible Nitric Oxide Synthase in Human CD8 T Cells. Journal of Heart and Lung Transplantation, 2008, 27, 1333-1339.	0.6	17
50	Plateletpheresis-associated lymphopenia in frequent platelet donors. Blood, 2019, 133, 605-614.	1.4	17
51	Leveraging blood and tissue CD4+ T cell heterogeneity at the single cell level to identify mechanisms of disease in rheumatoid arthritis. Current Opinion in Immunology, 2017, 49, 27-36.	5.5	15
52	Ageing and interferon gamma response drive the phenotype of neutrophils in the inflamed joint. Annals of the Rheumatic Diseases, 2022, 81, 805-814.	0.9	11
53	Platelets signal and tumors take off. Blood, 2012, 120, 4667-4668.	1.4	10
54	Identification of T Peripheral Helper (Tph) Cells. Methods in Molecular Biology, 2022, 2380, 59-76.	0.9	10

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55	The Power of Systems Biology. Rheumatic Disease Clinics of North America, 2021, 47, 335-350.	1.9	9
56	Rheumatoid arthritis disease activity assessed by patient-reported outcomes and flow cytometry before and after an additional dose of COVID-19 vaccine. Annals of the Rheumatic Diseases, 2022, 81, 1045-1048.	0.9	9
57	Rheumatoid arthritis-associated RBPJ polymorphism alters memory CD4⁺T cells. Human Molecular Genetics, 2016, 25, 404-417.	2.9	8
58	Patterns of Tâ€Cell Phenotypes in Rheumatic Diseases From Singleâ€Cell Studies of Tissue. ACR Open Rheumatology, 2021, 3, 601-613.	2.1	8
59	The rise of peripheral T helper cells in autoimmune disease. Nature Reviews Rheumatology, 2019, 15, 453-454.	8.0	6
60	High incidence of proliferative and membranous nephritis in SLE patients with low proteinuria in the Accelerating Medicines Partnership. Rheumatology, 2022, 61, 4335-4343.	1.9	6
61	Utilizing a PTPN22 gene signature to predict response to targeted therapies in rheumatoid arthritis. Journal of Autoimmunity, 2019, 101, 121-130.	6.5	5
62	Promise and complexity of lupus mouse models. Nature Immunology, 2021, 22, 683-686.	14.5	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. Lupus Science and Medicine, 2021, 8, e000522.	2.7	5
64	In the Thick of It. New England Journal of Medicine, 2013, 368, 1732-1738.	27.0	4
65	The Association between Clonal Hematopoiesis and Gout. Blood, 2021, 138, 595-595.	1.4	4
66	AI-19â€...T peripheral helper cells are expanded in the circulation of active SLE patients and correlate with CD21^{low} B cells. , 2018, , .		2
67	Gray platelet syndrome: immunity goes awry. Blood, 2020, 136, 1898-1900.	1.4	2
68	Mass Cytometry Identifies T Cell Populations Associated with Severe Hepatotoxicity in CLL Patients on Upfront Idelalisib. Blood, 2018, 132, 4413-4413.	1.4	2
69	Editorial: Lymphocyte Highs and Lows With Baricitinib. Arthritis and Rheumatology, 2018, 70, 1897-1900.	5.6	0
70	AB1079â€...CHECKPOINT INHIBITOR-ASSOCIATED ARTHRITIS: PHENOTYPES AND CYTOKINE ASSOCIATIONS. , 2019, , .		0
71	AB0167â€...SINGLE CELL RNA EXPRESSION IN LUPUS NEPHRITIS COMPARING AFRICAN-AMERICAN AND CAUCASIAN PATIENTS IDENTIFIES DIFFERENTIAL EXPRESSION OF TYPE I INTERFERON PATHWAY. , 2019, , .		0