

# Dinesh S Rao

## List of Publications by Citations

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80  
papers

8,792  
citations

36  
h-index

91  
g-index

91  
ext. papers

9,891  
ext. citations

9.8  
avg, IF

6.01  
L-index

#	Paper	IF	Citations
80	Physiological and pathological roles for microRNAs in the immune system. <i>Nature Reviews Immunology</i> , <b>2010</b> , 10, 111-22	36.5	1185
79	MicroRNAs: new regulators of immune cell development and function. <i>Nature Immunology</i> , <b>2008</b> , 9, 839-45	45.1	905
78	MicroRNA-155 promotes autoimmune inflammation by enhancing inflammatory T cell development. <i>Immunity</i> , <b>2010</b> , 33, 607-19	32.3	688
77	microRNA regulation of inflammatory responses. <i>Annual Review of Immunology</i> , <b>2012</b> , 30, 295-312	34.7	672
76	miR-146a is a significant brake on autoimmunity, myeloproliferation, and cancer in mice. <i>Journal of Experimental Medicine</i> , <b>2011</b> , 208, 1189-201	16.6	658
75	Inositol phosphatase SHIP1 is a primary target of miR-155. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 7113-8	11.5	644
74	Sustained expression of microRNA-155 in hematopoietic stem cells causes a myeloproliferative disorder. <i>Journal of Experimental Medicine</i> , <b>2008</b> , 205, 585-94	16.6	597
73	Antibody-based protection against HIV infection by vectored immunoprophylaxis. <i>Nature</i> , <b>2011</b> , 481, 81-4	50.4	407
72	NF-kappaB dysregulation in microRNA-146a-deficient mice drives the development of myeloid malignancies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 9184-9	11.5	306
71	MicroRNAs enriched in hematopoietic stem cells differentially regulate long-term hematopoietic output. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 14235-40	11.5	222
70	MicroRNA-34a perturbs B lymphocyte development by repressing the forkhead box transcription factor Foxp1. <i>Immunity</i> , <b>2010</b> , 33, 48-59	32.3	190
69	Vectored immunoprophylaxis protects humanized mice from mucosal HIV transmission. <i>Nature Medicine</i> , <b>2014</b> , 20, 296-300	50.5	172
68	MicroRNAs in inflammation and immune responses. <i>Leukemia</i> , <b>2012</b> , 26, 404-13	10.7	153
67	Oncomir miR-125b regulates hematopoiesis by targeting the gene Lin28A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 4233-8	11.5	128
66	MicroRNA function in myeloid biology. <i>Blood</i> , <b>2011</b> , 118, 2960-9	2.2	128
65	miR-155 promotes T follicular helper cell accumulation during chronic, low-grade inflammation. <i>Immunity</i> , <b>2014</b> , 41, 605-19	32.3	121
64	MicroRNA-146a acts as a guardian of the quality and longevity of hematopoietic stem cells in mice. <i>ELife</i> , <b>2013</b> , 2, e00537	8.9	106

63	miRNA dysregulation in cancer: towards a mechanistic understanding. <i>Frontiers in Genetics</i> , <b>2014</b> , 5, 54	4.5	88
62	Broad protection against influenza infection by vectored immunoprophylaxis in mice. <i>Nature Biotechnology</i> , <b>2013</b> , 31, 647-52	44.5	88
61	The lncRNA CASC15 regulates SOX4 expression in RUNX1-rearranged acute leukemia. <i>Molecular Cancer</i> , <b>2017</b> , 16, 126	42.1	85
60	miR-146a modulates autoreactive Th17 cell differentiation and regulates organ-specific autoimmunity. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 3702-3716	15.9	84
59	Altered receptor trafficking in Huntingtin Interacting Protein 1-transformed cells. <i>Cancer Cell</i> , <b>2003</b> , 3, 471-82	24.3	81
58	Huntingtin-interacting protein 1 is overexpressed in prostate and colon cancer and is critical for cellular survival. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 351-360	15.9	70
57	RNA-binding protein IGF2BP3 targeting of oncogenic transcripts promotes hematopoietic progenitor proliferation. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 1495-511	15.9	68
56	LncRNA Expression Discriminates Karyotype and Predicts Survival in B-Lymphoblastic Leukemia. <i>Molecular Cancer Research</i> , <b>2015</b> , 13, 839-51	6.6	67
55	Inhibitory effect of HIV-specific neutralizing IgA on mucosal transmission of HIV in humanized mice. <i>Blood</i> , <b>2012</b> , 120, 4571-82	2.2	67
54	Huntingtin interacting protein 1 is a clathrin coat binding protein required for differentiation of late spermatogenic progenitors. <i>Molecular and Cellular Biology</i> , <b>2001</b> , 21, 7796-806	4.8	66
53	MicroRNAs in B cell development and malignancy. <i>Journal of Hematology and Oncology</i> , <b>2012</b> , 5, 7	22.4	62
52	HIP1 and HIP1r stabilize receptor tyrosine kinases and bind 3-phosphoinositides via epsin N-terminal homology domains. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 14294-306	5.4	58
51	Myeloid malignancies with chromosome 5q deletions acquire a dependency on an intrachromosomal NF- $\kappa$ B gene network. <i>Cell Reports</i> , <b>2014</b> , 8, 1328-38	10.6	46
50	NCCN Guidelines Insights: Acute Myeloid Leukemia, Version 2.2021. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , <b>2021</b> , 19, 16-27	7.3	46
49	Lentiviral vector delivery of human interleukin-7 (hIL-7) to human immune system (HIS) mice expands T lymphocyte populations. <i>PLoS ONE</i> , <b>2010</b> , 5, e12009	3.7	44
48	Huntingtin-interacting protein 1 is overexpressed in prostate and colon cancer and is critical for cellular survival. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 351-60	15.9	42
47	MicroRNA-34b promoter hypermethylation induces CREB overexpression and contributes to myeloid transformation. <i>Haematologica</i> , <b>2013</b> , 98, 602-10	6.6	40
46	Primary extranodal nasal-type natural killer/T-cell lymphoma of the brain: a case report. <i>Human Pathology</i> , <b>2006</b> , 37, 769-72	3.7	40

45	miR-155 promotes FLT3-ITD-induced myeloproliferative disease through inhibition of the interferon response. <i>Blood</i> , <b>2017</b> , 129, 3074-3086	2.2	38
44	Genome-Wide CRISPR-Cas9 Screen Identifies MicroRNAs That Regulate Myeloid Leukemia Cell Growth. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153689	3.7	36
43	Determinants of plaque instability in atherosclerotic vascular disease. <i>Cardiovascular Pathology</i> , <b>2005</b> , 14, 285-93	3.8	35
42	MicroRNA-146a modulates B-cell oncogenesis by regulating Egr1. <i>Oncotarget</i> , <b>2015</b> , 6, 11023-37	3.3	32
41	Computed tomography calcium quantification as a measure of atherosclerotic plaque morphology and stability. <i>Investigative Radiology</i> , <b>2006</b> , 41, 674-80	10.1	31
40	Huntingtin Interacting Protein 1 mutations lead to abnormal hematopoiesis, spinal defects and cataracts. <i>Human Molecular Genetics</i> , <b>2004</b> , 13, 851-67	5.6	31
39	BALR-6 regulates cell growth and cell survival in B-lymphoblastic leukemia. <i>Molecular Cancer</i> , <b>2015</b> , 14, 214	42.1	21
38	The CD44(high) tumorigenic subsets in lung cancer biospecimens are enriched for low miR-34a expression. <i>PLoS ONE</i> , <b>2013</b> , 8, e73195	3.7	19
37	An inverse relation between COX-2 and E-cadherin expression correlates with aggressive histologic features in prostate cancer. <i>Applied Immunohistochemistry and Molecular Morphology</i> , <b>2006</b> , 14, 375-83	1.9	17
36	Tumor image-derived texture features are associated with CD3 T-cell infiltration status in glioblastoma. <i>Oncotarget</i> , <b>2017</b> , 8, 101244-101254	3.3	15
35	Regulation of Marginal Zone B-Cell Differentiation by MicroRNA-146a. <i>Frontiers in Immunology</i> , <b>2016</b> , 7, 670	8.4	15
34	Megakaryocytic blast crisis as a presenting manifestation of chronic myeloid leukemia. <i>Leukemia Research</i> , <b>2008</b> , 32, 1770-5	2.7	15
33	Long noncoding RNAs in hematopoietic malignancies. <i>Briefings in Functional Genomics</i> , <b>2016</b> , 15, 227-38	4.9	14
32	Small lymphoid proliferations in extranodal locations. <i>Archives of Pathology and Laboratory Medicine</i> , <b>2007</b> , 131, 383-96	5	13
31	T Cell-Expressed microRNA-155 Reduces Lifespan in a Mouse Model of Age-Related Chronic Inflammation. <i>Journal of Immunology</i> , <b>2020</b> , 204, 2064-2075	5.3	10
30	Wild-type Kras expands and exhausts hematopoietic stem cells. <i>JCI Insight</i> , <b>2018</b> , 3,	9.9	10
29	A case of pediatric B-Lymphoblastic leukemia presenting with a t(9;12)(p24;q11.2) involving JAK2 and concomitant MLL rearrangement with apparent insertion at 6q27. <i>Biomarker Research</i> , <b>2013</b> , 1, 31	8	4
28	Cough-induced hemiplegic migraine with impaired consciousness in cystic fibrosis. <i>Pediatric Pulmonology</i> , <b>2006</b> , 41, 171-6	3.5	4

27	The long non-coding RNA overexpression impacts on acute myeloid leukemia differentiation and mitochondrial dynamics. <i>iScience</i> , <b>2021</b> , 24, 103350	6.1	2
26	Focused CRISPR-Cas9 genetic screening reveals USO1 as a vulnerability in B-cell acute lymphoblastic leukemia. <i>Scientific Reports</i> , <b>2021</b> , 11, 13158	4.9	1
25	Concordance of Peripheral Blood and Bone Marrow Next-Generation Sequencing in Hematologic Neoplasms.. <i>Advances in Hematology</i> , <b>2022</b> , 2022, 8091746	1.5	1
24	Sustained expression of microRNA-155 in hematopoietic stem cells causes a myeloproliferative disorder. <i>Journal of Cell Biology</i> , <b>2008</b> , 180, i15-i15	7.3	0
23	MiR-155 Promotes FLT3-ITD-Induced Myeloproliferative Disease through Inhibition of Interferon Signaling. <i>Blood</i> , <b>2016</b> , 128, 2853-2853	2.2	0
22	Single Cell Proteomics Reveals Novel Cytokine-Producing Function of Hematopoietic Stem and Progenitor Cells. <i>Blood</i> , <b>2012</b> , 120, 26-26	2.2	0
21	Microsized inflammaging protects stem cells. <i>Blood</i> , <b>2020</b> , 135, 2204-2205	2.2	
20	Overview and Compartmentalization of the Immune System <b>2018</b> , 199-209.e1		
19	Pathology and Molecular Pathology of Hematologic Malignancies <b>2017</b> , 571-590		
18	The RNA Binding Protein IGF2BP3 Is Required for MLL-AF4 Mediated Leukemogenesis. <i>Blood</i> , <b>2020</b> , 136, 21-22	2.2	
17	Development of Notch1 Positive T-Lineage Lymphomas or Splenic Marginal Zone Lymphomas with Pan-Hematopoietic or Pro-B Cell Specific Deletion of Trp53 with Distinct Differentially Dysregulated Pathways. <i>Blood</i> , <b>2021</b> , 138, 2229-2229	2.2	
16	Synergism between IGF2BP1 and ETV6-RUNX1 in the Pathogenesis of ETV6-RUNX1 Positive B-Acute Lymphoblastic Leukaemia. <i>Blood</i> , <b>2021</b> , 138, 3483-3483	2.2	
15	MicroRNA-155 Promotes Myeloid Proliferation and Is Overexpressed in Acute Myeloid Leukemia.. <i>Blood</i> , <b>2007</b> , 110, 715-715	2.2	
14	The Long Noncoding RNA BALR2 Controls Novel Transcriptional Circuits Involved in Chemotherapy Sensitivity of Pediatric Acute Myeloid Leukemia (AML) Blasts. <i>Blood</i> , <b>2019</b> , 134, 2734-2734	2.2	
13	Conversion of Danger Signals into Cytokine Signals By Hematopoietic Stem and Progenitor Cells for Regulation of Stress-Induced Hematopoiesis. <i>Blood</i> , <b>2014</b> , 124, 2916-2916	2.2	
12	Genome-Wide Crispr-Cas9 Screen Identifies Functionally Relevant Micro-RNAs in FLT3-ITD+ AML. <i>Blood</i> , <b>2015</b> , 126, 3823-3823	2.2	
11	Identification of Novel Mir-34a Targets in a c-Myc Murine Model. <i>Blood</i> , <b>2015</b> , 126, 4826-4826	2.2	
10	Characterizing the Function of an RNA Binding Protein, IGF2BP3, in Hematopoiesis. <i>Blood</i> , <b>2015</b> , 126, 3664-3664	2.2	

- 9 Regulation of Marginal Zone B Cell Differentiation By microRNA-146a Via the Numb-Notch Pathway. *Blood*, **2016**, 128, 3701-3701 2.2
- 8 Molecular Characterization of Long Non-Coding RNA CASC15 in Leukemogenesis. *Blood*, **2016**, 128, 5103-5103
- 7 miR-146a is a significant brake on autoimmunity, myeloproliferation, and cancer in mice. *Journal of Cell Biology*, **2011**, 193, i10-i10 7.3
- 6 MicroRNA-146a Deficiency Leads to Increased Myeloid Cell Proliferation and Activation. *Blood*, **2011**, 118, 2815-2815 2.2
- 5 Role Of Insulin Like Growth Factor mRNA Binding Protein-3 (IGF2BP3) In Mixed Lineage Leukemia (MLL) Positive B-Cell Lymphomas. *Blood*, **2013**, 122, 3816-3816 2.2
- 4 SQSTM1/p62 Is a Necessary Cofactor In MDS/AML With Deletion Of Mir-146a. *Blood*, **2013**, 122, 747-747 2.2
- 3 Characterization of lincRNA BALIR-6 in MLL rearranged B-lymphoblastic leukemia. *Blood*, **2013**, 122, 3730-3730
- 2 Defining The Role Of MicroRNA-146a In B Cell Lymphomagenesis. *Blood*, **2013**, 122, 3805-3805 2.2
- 1 LincRNA Expression Discriminates Cytogenetic Subtypes In B-Lymphoblastic Leukemia and Plays a Functional Role In Leukemia Cell Survival. *Blood*, **2013**, 122, 2570-2570 2.2