

Dinesh S Rao

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

10,550
citations

94381

37
h-index

118793

62
g-index

92
all docs

92
docs citations

92
times ranked

14553
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Physiological and pathological roles for microRNAs in the immune system. <i>Nature Reviews Immunology</i> , 2010, 10, 111-122. | 10.6 | 1,391 |
| 2 | MicroRNAs: new regulators of immune cell development and function. <i>Nature Immunology</i> , 2008, 9, 839-845. | 7.0 | 1,043 |
| 3 | microRNA Regulation of Inflammatory Responses. <i>Annual Review of Immunology</i> , 2012, 30, 295-312. | 9.5 | 814 |
| 4 | MicroRNA-155 Promotes Autoimmune Inflammation by Enhancing Inflammatory T Cell Development. <i>Immunity</i> , 2010, 33, 607-619. | 6.6 | 800 |
| 5 | miR-146a is a significant brake on autoimmunity, myeloproliferation, and cancer in mice. <i>Journal of Experimental Medicine</i> , 2011, 208, 1189-1201. | 4.2 | 780 |
| 6 | 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> , 2009, 106, 7113-7118. | 3.3 | 732 |
| 7 | Sustained expression of microRNA-155 in hematopoietic stem cells causes a myeloproliferative disorder. <i>Journal of Experimental Medicine</i> , 2008, 205, 585-594. | 4.2 | 644 |
| 8 | Antibody-based protection against HIV infection by vectored immunoprophylaxis. <i>Nature</i> , 2012, 481, 81-84. | 13.7 | 488 |
| 9 | NF- κ B 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> , 2011, 108, 9184-9189. | 3.3 | 342 |
| 10 | 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> , 2010, 107, 14235-14240. | 3.3 | 250 |
| 11 | MicroRNA-34a Perturbs B Lymphocyte Development by Repressing the Forkhead Box Transcription Factor Foxp1. <i>Immunity</i> , 2010, 33, 48-59. | 6.6 | 219 |
| 12 | Vectored immunoprophylaxis protects humanized mice from mucosal HIV transmission. <i>Nature Medicine</i> , 2014, 20, 296-300. | 15.2 | 212 |
| 13 | MicroRNAs in inflammation and immune responses. <i>Leukemia</i> , 2012, 26, 404-413. | 3.3 | 198 |
| 14 | NCCN Guidelines Insights: Acute Myeloid Leukemia, Version 2.2021. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2021, 19, 16-27. | 2.3 | 170 |
| 15 | miR-155 Promotes T Follicular Helper Cell Accumulation during Chronic, Low-Grade Inflammation. <i>Immunity</i> , 2014, 41, 605-619. | 6.6 | 145 |
| 16 | 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> , 2012, 109, 4233-4238. | 3.3 | 143 |
| 17 | MicroRNA function in myeloid biology. <i>Blood</i> , 2011, 118, 2960-2969. | 0.6 | 140 |
| 18 | RNA-binding protein IGF2BP3 targeting of oncogenic transcripts promotes hematopoietic progenitor proliferation. <i>Journal of Clinical Investigation</i> , 2016, 126, 1495-1511. | 3.9 | 128 |

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|----|--|-----|-----------|
| 19 | Broad protection against influenza infection by vectored immunoprophylaxis in mice. <i>Nature Biotechnology</i> , 2013, 31, 647-652. | 9.4 | 121 |
| 20 | MicroRNA-146a acts as a guardian of the quality and longevity of hematopoietic stem cells in mice. <i>ELife</i> , 2013, 2, e00537. | 2.8 | 120 |
| 21 | miR-146a modulates autoreactive Th17 cell differentiation and regulates organ-specific autoimmunity. <i>Journal of Clinical Investigation</i> , 2017, 127, 3702-3716. | 3.9 | 112 |
| 22 | miRNA dysregulation in cancer: towards a mechanistic understanding. <i>Frontiers in Genetics</i> , 2014, 5, 54. | 1.1 | 110 |
| 23 | The lncRNA CASC15 regulates SOX4 expression in RUNX1-rearranged acute leukemia. <i>Molecular Cancer</i> , 2017, 16, 126. | 7.9 | 108 |
| 24 | Altered receptor trafficking in Huntingtin Interacting Protein 1-transformed cells. <i>Cancer Cell</i> , 2003, 3, 471-482. | 7.7 | 103 |
| 25 | LncRNA Expression Discriminates Karyotype and Predicts Survival in B-Lymphoblastic Leukemia. <i>Molecular Cancer Research</i> , 2015, 13, 839-851. | 1.5 | 81 |
| 26 | Huntingtin-interacting protein 1 is overexpressed in prostate and colon cancer and is critical for cellular survival. <i>Journal of Clinical Investigation</i> , 2002, 110, 351-360. | 3.9 | 78 |
| 27 | Inhibitory effect of HIV-specific neutralizing IgA on mucosal transmission of HIV in humanized mice. <i>Blood</i> , 2012, 120, 4571-4582. | 0.6 | 74 |
| 28 | Huntingtin Interacting Protein 1 Is a Clathrin Coat Binding Protein Required for Differentiation of late Spermatogenic Progenitors. <i>Molecular and Cellular Biology</i> , 2001, 21, 7796-7806. | 1.1 | 70 |
| 29 | MicroRNAs in B cell development and malignancy. <i>Journal of Hematology and Oncology</i> , 2012, 5, 7. | 6.9 | 69 |
| 30 | HIP1 and HIP1r Stabilize Receptor Tyrosine Kinases and Bind 3-Phosphoinositides via Epsin N-terminal Homology Domains. <i>Journal of Biological Chemistry</i> , 2004, 279, 14294-14306. | 1.6 | 67 |
| 31 | Myeloid Malignancies with Chromosome 5q Deletions Acquire a Dependency on an Intrachromosomal NF- κ B Gene Network. <i>Cell Reports</i> , 2014, 8, 1328-1338. | 2.9 | 64 |
| 32 | Lentiviral Vector Delivery of Human Interleukin-7 (hIL-7) to Human Immune System (HIS) Mice Expands T Lymphocyte Populations. <i>PLoS ONE</i> , 2010, 5, e12009. | 1.1 | 61 |
| 33 | miR-155 promotes FLT3-ITD-induced myeloproliferative disease through inhibition of the interferon response. <i>Blood</i> , 2017, 129, 3074-3086. | 0.6 | 57 |
| 34 | Huntingtin-interacting protein 1 is overexpressed in prostate and colon cancer and is critical for cellular survival. <i>Journal of Clinical Investigation</i> , 2002, 110, 351-360. | 3.9 | 54 |
| 35 | Primary extranodal nasal-type natural killer/T-cell lymphoma of the brain: a case report. <i>Human Pathology</i> , 2006, 37, 769-772. | 1.1 | 46 |
| 36 | Genome-Wide CRISPR-Cas9 Screen Identifies MicroRNAs That Regulate Myeloid Leukemia Cell Growth. <i>PLoS ONE</i> , 2016, 11, e0153689. | 1.1 | 46 |

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|----|--|-----|-----------|
| 37 | MicroRNA-34b promoter hypermethylation induces CREB overexpression and contributes to myeloid transformation. <i>Haematologica</i> , 2013, 98, 602-610. | 1.7 | 42 |
| 38 | MicroRNA-146a modulates B-cell oncogenesis by regulating Egr1. <i>Oncotarget</i> , 2015, 6, 11023-11037. | 0.8 | 39 |
| 39 | Determinants of plaque instability in atherosclerotic vascular disease. <i>Cardiovascular Pathology</i> , 2005, 14, 285-293. | 0.7 | 38 |
| 40 | Huntingtin Interacting Protein 1 mutations lead to abnormal hematopoiesis, spinal defects and cataracts. <i>Human Molecular Genetics</i> , 2004, 13, 851-867. | 1.4 | 32 |
| 41 | Computed Tomography Calcium Quantification as a Measure of Atherosclerotic Plaque Morphology and Stability. <i>Investigative Radiology</i> , 2006, 41, 674-680. | 3.5 | 32 |
| 42 | BALR-6 regulates cell growth and cell survival in B-lymphoblastic leukemia. <i>Molecular Cancer</i> , 2015, 14, 214. | 7.9 | 29 |
| 43 | Regulation of Marginal Zone B-Cell Differentiation by MicroRNA-146a. <i>Frontiers in Immunology</i> , 2017, 7, 670. | 2.2 | 25 |
| 44 | Tumor image-derived texture features are associated with CD3 T-cell infiltration status in glioblastoma. <i>Oncotarget</i> , 2017, 8, 101244-101254. | 0.8 | 25 |
| 45 | The CD44 ^{high} Tumorigenic Subsets in Lung Cancer Biospecimens Are Enriched for Low miR-34a Expression. <i>PLoS ONE</i> , 2013, 8, e73195. | 1.1 | 25 |
| 46 | 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> , 2006, 14, 375-383. | 0.6 | 21 |
| 47 | The RNA-binding protein IGF2BP3 is critical for MLL-AF4-mediated leukemogenesis. <i>Leukemia</i> , 2022, 36, 68-79. | 3.3 | 20 |
| 48 | T Cell-Expressed microRNA-155 Reduces Lifespan in a Mouse Model of Age-Related Chronic Inflammation. <i>Journal of Immunology</i> , 2020, 204, 2064-2075. | 0.4 | 18 |
| 49 | Small Lymphoid Proliferations in Extranodal Locations. <i>Archives of Pathology and Laboratory Medicine</i> , 2007, 131, 383-396. | 1.2 | 17 |
| 50 | Megakaryocytic blast crisis as a presenting manifestation of chronic myeloid leukemia. <i>Leukemia Research</i> , 2008, 32, 1770-1775. | 0.4 | 16 |
| 51 | Long noncoding RNAs in hematopoietic malignancies. <i>Briefings in Functional Genomics</i> , 2016, 15, 227-238. | 1.3 | 15 |
| 52 | Wild-type Kras expands and exhausts hematopoietic stem cells. <i>JCI Insight</i> , 2018, 3, . | 2.3 | 13 |
| 53 | Focused CRISPR-Cas9 genetic screening reveals USO1 as a vulnerability in B-cell acute lymphoblastic leukemia. <i>Scientific Reports</i> , 2021, 11, 13158. | 1.6 | 10 |
| 54 | Cough-Induced Hemiplegic Migraine with Impaired Consciousness in Cystic Fibrosis. <i>Pediatric Pulmonology</i> , 2006, 41, 171-176. | 1.0 | 7 |

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|----|--|-----|-----------|
| 55 | The long non-coding RNA CDK6-AS1 overexpression impacts on acute myeloid leukemia differentiation and mitochondrial dynamics. <i>IScience</i> , 2021, 24, 103350. | 1.9 | 6 |
| 56 | 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> , 2013, 1, 31. | 2.8 | 5 |
| 57 | Concordance of Peripheral Blood and Bone Marrow Next-Generation Sequencing in Hematologic Neoplasms. <i>Advances in Hematology</i> , 2022, 2022, 1-6. | 0.6 | 5 |
| 58 | Single Cell Proteomics Reveals Novel Cytokine-Producing Function of Hematopoietic Stem and Progenitor Cells. <i>Blood</i> , 2012, 120, 26-26. | 0.6 | 2 |
| 59 | Overview and Compartmentalization of the Immune System. , 2018, , 199-209.e1. | | 1 |
| 60 | Sustained expression of microRNA-155 in hematopoietic stem cells causes a myeloproliferative disorder. <i>Journal of Cell Biology</i> , 2008, 180, i15-i15. | 2.3 | 1 |
| 61 | MiR-155 Promotes FLT3-ITD-Induced Myeloproliferative Disease through Inhibition of Interferon Signaling. <i>Blood</i> , 2016, 128, 2853-2853. | 0.6 | 1 |
| 62 | The RNA Binding Protein IGF2BP3 Is Required for MLL-AF4 Mediated Leukemogenesis. <i>Blood</i> , 2020, 136, 21-22. | 0.6 | 1 |
| 63 | 3203 Deletion of p53 in hematopoietic progenitors leads to Notch1 dependent T-Acute Lymphoblastic Leukemia. <i>European Journal of Cancer</i> , 2015, 51, S649-S650. | 1.3 | 0 |
| 64 | The Opposing Roles of Let-7c and Mir-125-b2 in Human Hematopoietic Stem Cell Maintenance and Proliferation. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, AB12. | 1.5 | 0 |
| 65 | Does IGF2BP1 (insulin like growth factor 2 binding protein 1) drive ETV6-RUNX1 positive B-acute lymphoblastic leukemia?. <i>European Journal of Cancer</i> , 2017, 72, S99. | 1.3 | 0 |
| 66 | Rela Dynamics Regulate Developmental Pacing in Early B Lymphopoiesis. <i>Experimental Hematology</i> , 2018, 64, S81. | 0.2 | 0 |
| 67 | Nfkappab Systems Regulates Flt3-Mediated Hematopoiesis. <i>Experimental Hematology</i> , 2018, 64, S81-S82. | 0.2 | 0 |
| 68 | Microsized inflammaging protects stem cells. <i>Blood</i> , 2020, 135, 2204-2205. | 0.6 | 0 |
| 69 | 15. Interpreting TP53 variants identified by NGS in the setting of complex karyotypes: examples of potential cryptic copy number alterations and copy-neutral loss of heterozygosity. <i>Cancer Genetics</i> , 2021, 252-253, S5-S6. | 0.2 | 0 |
| 70 | MicroRNA-155 Promotes Myeloid Proliferation and Is Overexpressed in Acute Myeloid Leukemia.. <i>Blood</i> , 2007, 110, 715-715. | 0.6 | 0 |
| 71 | MicroRNA Regulation of Immune Cell Development and Function. <i>Blood</i> , 2010, 116, SCI-31-SCI-31. | 0.6 | 0 |
| 72 | miR-146ais a significant brake on autoimmunity, myeloproliferation, and cancer in mice. <i>Journal of Cell Biology</i> , 2011, 193, i10-i10. | 2.3 | 0 |

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|----|--|-----|-----------|
| 73 | MicroRNA-146a Deficiency Leads to Increased Myeloid Cell Proliferation and Activation. Blood, 2011, 118, 2815-2815. | 0.6 | 0 |
| 74 | 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. | 0.6 | 0 |
| 75 | SQSTM1/p62 Is a Necessary Cofactor In MDS/AML With Deletion Of Mir-146a. Blood, 2013, 122, 747-747. | 0.6 | 0 |
| 76 | Characterization of lincRNA BALIR-6 in MLL rearranged B-lymphoblastic leukemia. Blood, 2013, 122, 3730-3730. | 0.6 | 0 |
| 77 | Defining The Role Of Microna-146a In B Cell Lymphomagenesis. Blood, 2013, 122, 3805-3805. | 0.6 | 0 |
| 78 | LincRNA Expression Discriminates Cytogenetic Subtypes In B-Lymphoblastic Leukemia and Plays a Functional Role In Leukemia Cell Survival. Blood, 2013, 122, 2570-2570. | 0.6 | 0 |
| 79 | Conversion of Danger Signals into Cytokine Signals By Hematopoietic Stem and Progenitor Cells for Regulation of Stress-Induced Hematopoiesis. Blood, 2014, 124, 2916-2916. | 0.6 | 0 |
| 80 | Genome-Wide Crispr-Cas9 Screen Identifies Functionally Relevant Micro-RNAs in FLT3-ITD+ AML. Blood, 2015, 126, 3823-3823. | 0.6 | 0 |
| 81 | Identification of Novel Mir-34a Targets in a c-Myc Murine Model. Blood, 2015, 126, 4826-4826. | 0.6 | 0 |
| 82 | Characterizing the Function of an RNA Binding Protein, IGF2BP3, in Hematopoiesis. Blood, 2015, 126, 3664-3664. | 0.6 | 0 |
| 83 | Regulation of Marginal Zone B Cell Differentiation By microRNA-146a Via the Numb-Notch Pathway. Blood, 2016, 128, 3701-3701. | 0.6 | 0 |
| 84 | Molecular Characterization of Long Non-Coding RNA CASC15 in Leukemogenesis. Blood, 2016, 128, 5103-5103. | 0.6 | 0 |
| 85 | The Long Noncoding RNA BALR2 Controls Novel Transcriptional Circuits Involved in Chemotherapy Sensitivity of Pediatric Acute Myeloid Leukemia (AML) Blasts. Blood, 2019, 134, 2734-2734. | 0.6 | 0 |
| 86 | 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. Blood, 2021, 138, 2229-2229. | 0.6 | 0 |
| 87 | Synergism between IGF2BP1 and ETV6-RUNX1 in the Pathogenesis of ETV6-RUNX1 Positive B-Acute Lymphoblastic Leukaemia. Blood, 2021, 138, 3483-3483. | 0.6 | 0 |