

# Ravindra Majeti

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110  
papers

13,387  
citations

46  
h-index

115  
g-index

118  
ext. papers

16,877  
ext. citations

14.8  
avg, IF

6.47  
L-index

#	Paper	IF	Citations
110	CD47 is an adverse prognostic factor and therapeutic antibody target on human acute myeloid leukemia stem cells. <i>Cell</i> , <b>2009</b> , 138, 286-99	56.2	1011
109	CD47 is upregulated on circulating hematopoietic stem cells and leukemia cells to avoid phagocytosis. <i>Cell</i> , <b>2009</b> , 138, 271-85	56.2	952
108	The CD47-signal regulatory protein alpha (SIRPa) interaction is a therapeutic target for human solid tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 6662-7	17.5	886
107	Anti-CD47 antibody synergizes with rituximab to promote phagocytosis and eradicate non-Hodgkin lymphoma. <i>Cell</i> , <b>2010</b> , 142, 699-713	56.2	672
106	Lineage-specific and single-cell chromatin accessibility charts human hematopoiesis and leukemia evolution. <i>Nature Genetics</i> , <b>2016</b> , 48, 1193-203	36.3	555
105	Clonal evolution of preleukemic hematopoietic stem cells precedes human acute myeloid leukemia. <i>Science Translational Medicine</i> , <b>2012</b> , 4, 149ra118	17.5	517
104	Preleukemic mutations in human acute myeloid leukemia affect epigenetic regulators and persist in remission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 2548-53	11.5	509
103	CRISPR/Cas9 $\beta$ globin gene targeting in human haematopoietic stem cells. <i>Nature</i> , <b>2016</b> , 539, 384-389	50.4	503
102	CD47 Blockade by Hu5F9-G4 and Rituximab in Non-Hodgkin's Lymphoma. <i>New England Journal of Medicine</i> , <b>2018</b> , 379, 1711-1721	59.2	456
101	Calreticulin is the dominant pro-phagocytic signal on multiple human cancers and is counterbalanced by CD47. <i>Science Translational Medicine</i> , <b>2010</b> , 2, 63ra94	17.5	436
100	Identification of a hierarchy of multipotent hematopoietic progenitors in human cord blood. <i>Cell Stem Cell</i> , <b>2007</b> , 1, 635-45	18	395
99	The CD47-SIRP $\alpha$ pathway in cancer immune evasion and potential therapeutic implications. <i>Current Opinion in Immunology</i> , <b>2012</b> , 24, 225-32	7.8	362
98	Isocitrate dehydrogenase 1 and 2 mutations induce BCL-2 dependence in acute myeloid leukemia. <i>Nature Medicine</i> , <b>2015</b> , 21, 178-84	50.5	341
97	Integrated Single-Cell Analysis Maps the Continuous Regulatory Landscape of Human Hematopoietic Differentiation. <i>Cell</i> , <b>2018</b> , 173, 1535-1548.e16	56.2	292
96	Pre-Clinical Development of a Humanized Anti-CD47 Antibody with Anti-Cancer Therapeutic Potential. <i>PLoS ONE</i> , <b>2015</b> , 10, e0137345	3.7	257
95	Identification of the Human Skeletal Stem Cell. <i>Cell</i> , <b>2018</b> , 175, 43-56.e21	56.2	257
94	Therapeutic antibody targeting of CD47 eliminates human acute lymphoblastic leukemia. <i>Cancer Research</i> , <b>2011</b> , 71, 1374-84	10.1	255

93	Association of a leukemic stem cell gene expression signature with clinical outcomes in acute myeloid leukemia. <i>JAMA - Journal of the American Medical Association</i> , <b>2010</b> , 304, 2706-15	27.4	254
92	Targeting Cancer Stemness in the Clinic: From Hype to Hope. <i>Cell Stem Cell</i> , <b>2019</b> , 24, 25-40	18	223
91	CD47-blocking immunotherapies stimulate macrophage-mediated destruction of small-cell lung cancer. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 2610-20	15.9	220
90	Dysregulated gene expression networks in human acute myelogenous leukemia stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 3396-401	11.5	219
89	Biology and relevance of human acute myeloid leukemia stem cells. <i>Blood</i> , <b>2017</b> , 129, 1577-1585	2.2	202
88	First-in-Human, First-in-Class Phase I Trial of the Anti-CD47 Antibody Hu5F9-G4 in Patients With Advanced Cancers. <i>Journal of Clinical Oncology</i> , <b>2019</b> , 37, 946-953	2.2	196
87	Prospective separation of normal and leukemic stem cells based on differential expression of TIM3, a human acute myeloid leukemia stem cell marker. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 5009-14	11.5	191
86	Antibody therapy targeting the CD47 protein is effective in a model of aggressive metastatic leiomyosarcoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 6656-61	11.5	183
85	Programmed cell removal: a new obstacle in the road to developing cancer. <i>Nature Reviews Cancer</i> , <b>2011</b> , 12, 58-67	31.3	170
84	Macrophages as mediators of tumor immunosurveillance. <i>Trends in Immunology</i> , <b>2010</b> , 31, 212-9	14.4	168
83	Epigenetic and in vivo comparison of diverse MSC sources reveals an endochondral signature for human hematopoietic niche formation. <i>Blood</i> , <b>2015</b> , 125, 249-60	2.2	167
82	Macrophage de novo NAD synthesis specifies immune function in aging and inflammation. <i>Nature Immunology</i> , <b>2019</b> , 20, 50-63	19.1	160
81	A humanized bone marrow ossicle xenotransplantation model enables improved engraftment of healthy and leukemic human hematopoietic cells. <i>Nature Medicine</i> , <b>2016</b> , 22, 812-21	50.5	148
80	Monoclonal antibody therapy directed against human acute myeloid leukemia stem cells. <i>Oncogene</i> , <b>2011</b> , 30, 1009-19	9.2	129
79	Single-cell multiomic analysis identifies regulatory programs in mixed-phenotype acute leukemia. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 1458-1465	44.5	128
78	Leukemia-Associated Cohesin Mutants Dominantly Enforce Stem Cell Programs and Impair Human Hematopoietic Progenitor Differentiation. <i>Cell Stem Cell</i> , <b>2015</b> , 17, 675-688	18	127
77	Extranodal dissemination of non-Hodgkin lymphoma requires CD47 and is inhibited by anti-CD47 antibody therapy. <i>Blood</i> , <b>2011</b> , 118, 4890-901	2.2	126
76	Single-cell analysis reveals the continuum of human lympho-myeloid progenitor cells. <i>Nature Immunology</i> , <b>2018</b> , 19, 85-97	19.1	116

75	Tuning cytokine receptor signaling by re-orienting dimer geometry with surrogate ligands. <i>Cell</i> , <b>2015</b> , 160, 1196-208	56.2	102
74	Therapeutic Targeting of the Macrophage Immune Checkpoint CD47 in Myeloid Malignancies. <i>Frontiers in Oncology</i> , <b>2019</b> , 9, 1380	5.3	87
73	Role of DNMT3A, TET2, and IDH1/2 mutations in pre-leukemic stem cells in acute myeloid leukemia. <i>International Journal of Hematology</i> , <b>2013</b> , 98, 648-57	2.3	85
72	ASH1L Links Histone H3 Lysine 36 Dimethylation to MLL Leukemia. <i>Cancer Discovery</i> , <b>2016</b> , 6, 770-83	24.4	80
71	An LSC epigenetic signature is largely mutation independent and implicates the HOXA cluster in AML pathogenesis. <i>Nature Communications</i> , <b>2015</b> , 6, 8489	17.4	79
70	A bispecific antibody targeting CD47 and CD20 selectively binds and eliminates dual antigen expressing lymphoma cells. <i>MABs</i> , <b>2015</b> , 7, 946-56	6.6	79
69	Superenhancer Analysis Defines Novel Epigenomic Subtypes of Non-APL AML, Including an RAR $\alpha$ Dependency Targetable by SY-1425, a Potent and Selective RAR $\alpha$ Agonist. <i>Cancer Discovery</i> , <b>2017</b> , 7, 1136-1153	24.4	72
68	Human AML-iPSCs Reacquire Leukemic Properties after Differentiation and Model Clonal Variation of Disease. <i>Cell Stem Cell</i> , <b>2017</b> , 20, 329-344.e7	18	69
67	Transient expression of Bcl6 is sufficient for oncogenic function and induction of mature B-cell lymphoma. <i>Nature Communications</i> , <b>2014</b> , 5, 3904	17.4	64
66	Multiplexed genetic engineering of human hematopoietic stem and progenitor cells using CRISPR/Cas9 and AAV6. <i>ELife</i> , <b>2017</b> , 6,	8.9	60
65	Single-cell lineage tracing by endogenous mutations enriched in transposase accessible mitochondrial DNA. <i>ELife</i> , <b>2019</b> , 8,	8.9	56
64	Biology and Clinical Relevance of Acute Myeloid Leukemia Stem Cells. <i>Seminars in Hematology</i> , <b>2015</b> , 52, 150-64	4	46
63	Generation and use of a humanized bone-marrow-ossicle niche for hematopoietic xenotransplantation into mice. <i>Nature Protocols</i> , <b>2017</b> , 12, 2169-2188	18.8	45
62	Single-cell phospho-specific flow cytometric analysis demonstrates biochemical and functional heterogeneity in human hematopoietic stem and progenitor compartments. <i>Blood</i> , <b>2011</b> , 117, 4226-33	2.2	45
61	Reprogramming of primary human Philadelphia chromosome-positive B cell acute lymphoblastic leukemia cells into nonleukemic macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 4074-9	11.5	40
60	In vivo evaluation of human hematopoiesis through xenotransplantation of purified hematopoietic stem cells from umbilical cord blood. <i>Nature Protocols</i> , <b>2008</b> , 3, 1932-40	18.8	40
59	Integrated analysis of patient samples identifies biomarkers for venetoclax efficacy and combination strategies in acute myeloid leukemia. <i>Nature Cancer</i> , <b>2020</b> , 1, 826-839	15.4	38
58	Systematic discovery of mutation-specific synthetic lethals by mining pan-cancer human primary tumor data. <i>Nature Communications</i> , <b>2017</b> , 8, 15580	17.4	36

57	Mutant WT1 is associated with DNA hypermethylation of PRC2 targets in AML and responds to EZH2 inhibition. <i>Blood</i> , <b>2015</b> , 125, 316-26	2.2	35
56	SIRP $\alpha$ Antibody Fusion Proteins Selectively Bind and Eliminate Dual Antigen-Expressing Tumor Cells. <i>Clinical Cancer Research</i> , <b>2016</b> , 22, 5109-5119	12.9	31
55	Burning Fat Fuels Leukemic Stem Cell Heterogeneity. <i>Cell Stem Cell</i> , <b>2016</b> , 19, 1-2	18	29
54	Single-cell mutational profiling enhances the clinical evaluation of AML MRD. <i>Blood Advances</i> , <b>2020</b> , 4, 943-952	7.8	28
53	Preleukemic Hematopoietic Stem Cells in Human Acute Myeloid Leukemia. <i>Frontiers in Oncology</i> , <b>2017</b> , 7, 263	5.3	27
52	Accumulation of JAK activation loop phosphorylation is linked to type I JAK inhibitor withdrawal syndrome in myelofibrosis. <i>Science Advances</i> , <b>2018</b> , 4, eaat3834	14.3	23
51	IL-6 blockade reverses bone marrow failure induced by human acute myeloid leukemia. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	22
50	Clonal evolution of preleukemic hematopoietic stem cells in acute myeloid leukemia. <i>Experimental Hematology</i> , <b>2015</b> , 43, 989-92	3.1	21
49	Targeting macrophage checkpoint inhibitor SIRP $\alpha$ for anticancer therapy. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	18
48	Proposed Terminology and Classification of Pre-Malignant Neoplastic Conditions: A Consensus Proposal. <i>EBioMedicine</i> , <b>2017</b> , 26, 17-24	8.8	17
47	Human acute myelogenous leukemia stem cells revisited: there's more than meets the eye. <i>Cancer Cell</i> , <b>2011</b> , 19, 9-10	24.3	17
46	Enasidenib drives human erythroid differentiation independently of isocitrate dehydrogenase 2. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 1843-1849	15.9	17
45	The role of mutations in the cohesin complex in acute myeloid leukemia. <i>International Journal of Hematology</i> , <b>2017</b> , 105, 31-36	2.3	16
44	Clonal evolution of pre-leukemic hematopoietic stem cells precedes human acute myeloid leukemia. <i>Best Practice and Research in Clinical Haematology</i> , <b>2014</b> , 27, 229-34	4.2	14
43	Gene replacement of $\beta$ globin with $\beta$ globin restores hemoglobin balance in $\beta$ thalassemia-derived hematopoietic stem and progenitor cells. <i>Nature Medicine</i> , <b>2021</b> , 27, 677-687	50.5	13
42	Interaction of TIF-90 and filamin A in the regulation of rRNA synthesis in leukemic cells. <i>Blood</i> , <b>2014</b> , 124, 579-89	2.2	12
41	The phosphatidylethanolamine biosynthesis pathway provides a new target for cancer chemotherapy. <i>Journal of Hepatology</i> , <b>2020</b> , 72, 746-760	13.4	12
40	A first-in-class, first-in-human phase 1 pharmacokinetic (PK) and pharmacodynamic (PD) study of Hu5F9-G4, an anti-CD47 monoclonal antibody (mAb), in patients with advanced solid tumors.. <i>Journal of Clinical Oncology</i> , <b>2018</b> , 36, 3002-3002	2.2	11

39	Data mining for mutation-specific targets in acute myeloid leukemia. <i>Leukemia</i> , <b>2019</b> , 33, 826-843	10.7	10
38	Venetoclax and hypomethylating agent therapy in high risk myelodysplastic syndromes: a retrospective evaluation of a real-world experience. <i>Leukemia and Lymphoma</i> , <b>2020</b> , 61, 2700-2707	1.9	10
37	Optimizing Next-Generation AML Therapy: Activity of Mutant IDH2 Inhibitor AG-221 in Preclinical Models. <i>Cancer Discovery</i> , <b>2017</b> , 7, 459-461	24.4	9
36	A Dysregulated DNA Methylation Landscape Linked to Gene Expression in MLL-Rearranged AML. <i>Epigenetics</i> , <b>2020</b> , 15, 841-858	5.7	7
35	Response: mechanisms of targeting CD47-SIRP $\alpha$ in hematologic malignancies. <i>Blood</i> , <b>2012</b> , 119, 4334-4335.	2	7
34	Monocytic differentiation and AHR signaling as Primary Nodes of BET Inhibitor Response in Acute Myeloid Leukemia. <i>Blood Cancer Discovery</i> , <b>2021</b> , 2, 518-531	7	7
33	The TRACE-Seq method tracks recombination alleles and identifies clonal reconstitution dynamics of gene targeted human hematopoietic stem cells. <i>Nature Communications</i> , <b>2021</b> , 12, 472	17.4	7
32	Anti-GD2 synergizes with CD47 blockade to mediate tumor eradication.. <i>Nature Medicine</i> , <b>2022</b> ,	50.5	6
31	Early Mortality in Acute Promyelocytic Leukemia May Be Higher Than Previously Reported.. <i>Blood</i> , <b>2009</b> , 114, 1015-1015	2.2	6
30	Sticking It to the Niche: CD98 Mediates Critical Adhesive Signals in AML. <i>Cancer Cell</i> , <b>2016</b> , 30, 662-664	24.3	5
29	Centrosome-kinase fusions promote oncogenic signaling and disrupt centrosome function in myeloproliferative neoplasms. <i>PLoS ONE</i> , <b>2014</b> , 9, e92641	3.7	5
28	Mebendazole for Differentiation Therapy of Acute Myeloid Leukemia Identified by a Lineage Maturation Index. <i>Scientific Reports</i> , <b>2019</b> , 9, 16775	4.9	5
27	Use of polyvinyl alcohol for chimeric antigen receptor T-cell expansion. <i>Experimental Hematology</i> , <b>2019</b> , 80, 16-20	3.1	5
26	Induced pluripotent stem cell modeling of malignant hematopoiesis. <i>Experimental Hematology</i> , <b>2019</b> , 71, 68-76	3.1	4
25	Sufficiency for inducible Caspase-9 safety switch in human pluripotent stem cells and disease cells. <i>Gene Therapy</i> , <b>2019</b> , 27, 525-534	4	3
24	Clonal Hematopoiesis: From Mechanisms to Clinical Intervention. <i>Cancer Discovery</i> , <b>2021</b> ,	24.4	3
23	NOT-Gated CD93 CAR T Cells Effectively Target AML with Minimized Endothelial Cross-Reactivity. <i>Blood Cancer Discovery</i> , <b>2021</b> , 2, 648-665	7	3
22	No Matter How You Splice It, RBM39 Inhibition Targets Spliceosome Mutant AML. <i>Cancer Cell</i> , <b>2019</b> , 35, 337-339	24.3	2

21	Targeting LSCs: Peeling Back the Curtain on the Metabolic Complexities of AML. <i>Cell Stem Cell</i> , <b>2020</b> , 27, 693-695	18	2
20	Author response: Multiplexed genetic engineering of human hematopoietic stem and progenitor cells using CRISPR/Cas9 and AAV6 <b>2017</b> ,		2
19	Alkylator-Induced and Patient-Derived Xenograft Mouse Models of Therapy-Related Myeloid Neoplasms Model Clinical Disease and Suggest the Presence of Multiple Cell Subpopulations with Leukemia Stem Cell Activity. <i>PLoS ONE</i> , <b>2016</b> , 11, e0159189	3.7	2
18	Reply to FiBr et al.: Myeloid reprogramming of Ph+ B-ALL: A potential therapeutic strategy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E3456	11.5	1
17	CD34 expression does not correlate with immunophenotypic stem cell or progenitor content in human cord blood products. <i>Blood Advances</i> , <b>2020</b> , 4, 5357-5361	7.8	1
16	CD47 Is An Independent Prognostic Factor and Therapeutic Antibody Target on Human Acute Myeloid Leukemia Stem Cells. <i>Blood</i> , <b>2008</b> , 112, 766-766	2.2	1
15	Therapeutic Antibody Targeting of CD47 Synergizes with Rituximab to Completely Eradicate Human B-Cell Lymphoma Xenografts.. <i>Blood</i> , <b>2009</b> , 114, 2716-2716	2.2	1
14	Quantitation of Leukemic Stem Cell Populations Predicts Clinical Outcome in Acute Myeloid Leukaemia. <i>Blood</i> , <b>2011</b> , 118, 638-638	2.2	1
13	Clonal architecture predicts clinical outcomes and drug sensitivity in acute myeloid leukemia.. <i>Nature Communications</i> , <b>2021</b> , 12, 7244	17.4	1
12	CytofIn enables integrated analysis of public mass cytometry datasets using generalized anchors.. <i>Nature Communications</i> , <b>2022</b> , 13, 934	17.4	0
11	Germline mutations in mitochondrial complex I reveal genetic and targetable vulnerability in IDH1-mutant acute myeloid leukaemia.. <i>Nature Communications</i> , <b>2022</b> , 13, 2614	17.4	0
10	Cytokine Rescue and Targeting of Inflammation-Sensitive RUNX1 Deficient Human CD34+ Hematopoietic Stem and Progenitor Cells. <i>Blood</i> , <b>2020</b> , 136, 14-15	2.2	
9	Single-Cell Mutational Profiling of Clonal Evolution in De Novo AML during Therapy and Relapse. <i>Blood</i> , <b>2018</b> , 132, 1469-1469	2.2	
8	IDH1 Mutant AML Is Susceptible to Targeting De Novo Lipid Synthesis Independent of 2-Hydroxyglutarate and Has a Distinct Metabolic Profile from IDH2 Mutant AML. <i>Blood</i> , <b>2018</b> , 132, 440-440	2.2	
7	Accumulation of JAK Activation-Loop Phosphorylation Promotes Type I JAK Inhibitor Withdrawal Syndrome in Myelofibrosis. <i>Blood</i> , <b>2018</b> , 132, 1787-1787	2.2	
6	Human Acute Myeloid Leukemia Inhibits Normal Erythroid Differentiation through the Paracrine Effects of IL-6. <i>Blood</i> , <b>2018</b> , 132, 911-911	2.2	
5	Reprogramming Leukemia Cells into Antigen Presenting Cells As a Novel Cancer Vaccination Immunotherapy. <i>Blood</i> , <b>2019</b> , 134, 3217-3217	2.2	
4	Enasidenib Drives Maturation of Human Erythroid Precursors Independently of IDH2. <i>Blood</i> , <b>2019</b> , 134, 540-540	2.2	

- 3 Is Time of the Essence in Adult Acute Myeloid Leukemia (AML)? Time to Blast Clearance and Time to Induction Therapy Fail to Predict Overall Survival (OS).. *Blood*, **2009**, 114, 1617-1617 2.2
- 2 Single Cell Phospho-Flow Analysis of Cytokine Stimulation in Human Hematopoietic Progenitors Reveals That G-CSF Acts Directly On Human Hematopoietic Stem Cells.. *Blood*, **2009**, 114, 3617-3617 2.2
- 1 Clonal Evolution of Pre-Leukemic Hematopoietic Stem Cells Precedes Human Acute Myeloid Leukemia. *Blood*, **2011**, 118, 4-4 2.2