Ramesh A Shivdasani

List of Publications by Year
in descending order

103 papers	11,002 citations	41344 49 h-index	34986 98 g-index
108 all docs	108 docs citations	108 times ranked	14289 citing authors

#	Article	IF	Citations
1	Absence of blood formation in mice lacking the T-cell leukaemia oncoprotein tal-1/SCL. Nature, 1995, 373, 432-434.	27.8	880
2	Transcription factor NF-E2 is required for platelet formation independent of the actions of thrombopoeitin/MGDF in megakaryocyte development. Cell, 1995, 81, 695-704.	28.9	690
3	A lineage-selective knockout establishes the critical role of transcription factor GATA-1 in megakaryocyte growth and platelet development. EMBO Journal, 1997, 16, 3965-3973.	7.8	637
4	The transcriptional control of hematopoiesis [see comments]. Blood, 1996, 87, 4025-4039.	1.4	590
5	Blood Platelets Are Assembled Principally at the Ends of Proplatelet Processes Produced by Differentiated Megakaryocytes. Journal of Cell Biology, 1999, 147, 1299-1312.	5.2	464
6	MicroRNAs: regulators of gene expression and cell differentiation. Blood, 2006, 108, 3646-3653.	1.4	450
7	The androgen receptor cistrome is extensively reprogrammed in human prostate tumorigenesis. Nature Genetics, 2015, 47, 1346-1351.	21.4	363
8	Consequences of GATA-1 Deficiency in Megakaryocytes and Platelets. Blood, 1999, 93, 2867-2875.	1.4	291
9	Somatic mutation of CDKN1B in small intestine neuroendocrine tumors. Nature Genetics, 2013, 45, 1483-1486.	21.4	275
10	ARID1A loss impairs enhancer-mediated gene regulation and drives colon cancer in mice. Nature Genetics, 2017, 49, 296-302.	21.4	260
11	Challenges and emerging directions in single-cell analysis. Genome Biology, 2017, 18, 84.	8.8	258
12	Gastrointestinal Adenocarcinomas of the Esophagus, Stomach, and Colon Exhibit Distinct Patterns of Genome Instability and Oncogenesis. Cancer Research, 2012, 72, 4383-4393.	0.9	242
13	A lineage-restricted and divergent Î²-tubulin isoform is essential for the biogenesis, structure and function of blood platelets. Current Biology, 2001, 11, 579-586.	3.9	230
14	Distinct Mesenchymal Cell Populations Generate the Essential Intestinal BMP Signaling Gradient. Cell Stem Cell, 2020, 26, 391-402.e5.	11.1	211
15	Intact function of Lgr5 receptor-expressing intestinal stem cells in the absence of Paneth cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3932-3937.	7.1	207
16	Broadly permissive intestinal chromatin underlies lateral inhibition and cell plasticity. Nature, 2014, 506, 511-515.	27.8	207
17	Differentiation-Specific Histone Modifications Reveal Dynamic Chromatin Interactions and Partners for the Intestinal Transcription Factor CDX2. Developmental Cell, 2010, 19, 713-726.	7.0	192
18	Dynamic Reorganization of Chromatin Accessibility Signatures during Dedifferentiation of Secretory Precursors into Lgr5+ Intestinal Stem Cells. Cell Stem Cell, 2017, 21, 65-77.e5.	11.1	190

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19	The Stomach Mesenchymal Transcription Factor Barx1 Specifies Gastric Epithelial Identity through Inhibition of Transient Wnt Signaling. Developmental Cell, 2005, 8, 611-622.	7.0	178
20	Hematopoietic-specific Î²1 tubulin participates in a pathway of platelet biogenesis dependent on the transcription factor NF-E2. Blood, 2000, 96, 1366-1373.	1.4	163
21	Mice Lacking Transcription Factor NF-E2 Provide In Vivo Validation of the Proplatelet Model of Thrombocytopoiesis and Show a Platelet Production Defect That Is Intrinsic to Megakaryocytes. Blood, 1998, 92, 1608-1616.	1.4	160
22	Molecular and Transcriptional Regulation of Megakaryocyte Differentiation. Stem Cells, 2001, 19, 397-407.	3.2	159
23	Ascl2-Dependent Cell Dedifferentiation Drives Regeneration of Ablated Intestinal Stem Cells. Cell Stem Cell, 2020, 26, 377-390.e6.	11.1	152
24	Hedgehog signaling controls mesenchymal growth in the developing mammalian digestive tract. Development (Cambridge), 2010, 137, 1721-1729.	2.5	149
25	Cellular and molecular architecture of the intestinal stem cell niche. Nature Cell Biology, 2020, 22, 1033-1041.	10.3	126
26	Enhancer signatures stratify and predict outcomes of non-functional pancreatic neuroendocrine tumors. Nature Medicine, 2019, 25, 1260-1265.	30.7	120
27	Reprogrammed Stomach Tissue as a Renewable Source of Functional Î² Cells for Blood Glucose Regulation. Cell Stem Cell, 2016, 18, 410-421.	11.1	119
28	Stomach development, stem cells and disease. Development (Cambridge), 2016, 143, 554-565.	2.5	116
29	Phases of Canonical Wnt Signaling During the Development of Mouse Intestinal Epithelium. Gastroenterology, 2007, 133, 529-538.	1.3	101
30	Highâ€resolution analysis of genetic alterations in small bowel carcinoid tumors reveals areas of recurrent amplification and loss. Genes Chromosomes and Cancer, 2008, 47, 591-603.	2.8	101
31	Acquired Tissue-Specific Promoter Bivalency Is a Basis for PRC2 Necessity in Adult Cells. Cell, 2016, 165, 1389-1400.	28.9	101
32	Wnt Secretion from Epithelial Cells and Subepithelial Myofibroblasts Is Not Required in the Mouse Intestinal Stem Cell Niche InÂVivo. Stem Cell Reports, 2014, 2, 127-134.	4.8	99
33	The use of murineâ€derived fundic organoids in studies of gastric physiology. Journal of Physiology, 2015, 593, 1809-1827.	2.9	98
34	RORÎ±-expressing T regulatory cells restrain allergic skin inflammation. Science Immunology, 2018, 3, .	11.9	97
35	Pathophysiology of Thrombocytopenia and Anemia in Mice Lacking Transcription Factor NF-E2. Blood, 1999, 94, 3037-3047.	1.4	95
36	Essential and Redundant Functions of Caudal Family Proteins in Activating Adult Intestinal Genes. Molecular and Cellular Biology, 2011, 31, 2026-2039.	2.3	94

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37	Notch signaling in stomach epithelial stem cell homeostasis. Journal of Experimental Medicine, 2011, 208, 677-688.	8.5	92
38	Intestinal Master Transcription Factor CDX2 Controls Chromatin Access for Partner Transcription Factor Binding. Molecular and Cellular Biology, 2013, 33, 281-292.	2.3	76
39	A dynamic expression survey identifies transcription factors relevant in mouse digestive tract development. Development (Cambridge), 2006, 133, 4119-4129.	2.5	73
40	TCF4 and CDX2, major transcription factors for intestinal function, converge on the same <i>cis</i> -regulatory regions. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15157-15162.	7.1	73
41	Barx1-Mediated Inhibition of Wnt Signaling in the Mouse Thoracic Foregut Controls Tracheo-Esophageal Septation and Epithelial Differentiation. PLoS ONE, 2011, 6, e22493.	2.5	72
42	Role of the Homeodomain Transcription Factor Bapx1 in Mouse Distal Stomach Development. Gastroenterology, 2009, 136, 1701-1710.	1.3	71
43	Single-Cell Transcript Profiles Reveal Multilineage Priming in Early Progenitors Derived from Lgr5 + Intestinal Stem Cells. Cell Reports, 2016, 16, 2053-2060.	6.4	69
44	Regulation of the Serum Concentration of Thrombopoietin in Thrombocytopenic NF-E2 Knockout Mice. Blood, 1997, 90, 1821-1827.	1.4	68
45	Extensive Recovery of Embryonic Enhancer and Gene Memory Stored in Hypomethylated Enhancer DNA. Molecular Cell, 2019, 74, 542-554.e5.	9.7	65
46	Transcription Factors GATA4 and HNF4A Control Distinct Aspects of Intestinal Homeostasis in Conjunction with Transcription Factor CDX2. Journal of Biological Chemistry, 2015, 290, 1850-1860.	3.4	64
47	Chromatin immunoprecipitation from fixed clinical tissues reveals tumor-specific enhancer profiles. Nature Medicine, 2016, 22, 685-691.	30.7	64
48	Characterization of the Hematopoietic Transcription Factor NF-E2 in Primary Murine Megakaryocytes. Journal of Biological Chemistry, 1998, 273, 7572-7578.	3.4	62
49	Erythroid Maturation and Globin Gene Expression in Mice With Combined Deficiency of NF-E2 and Nrf-2. Blood, 1998, 91, 3459-3466.	1.4	61
50	Sox2 Suppresses Gastric Tumorigenesis in Mice. Cell Reports, 2016, 16, 1929-1941.	6.4	61
51	Independent functions and mechanisms for homeobox gene<i>Barx1</i>in patterning mouse stomach and spleen. Development (Cambridge), 2007, 134, 3603-3613.	2.5	57
52	Boundaries, junctions and transitions in the gastrointestinal tract. Experimental Cell Research, 2011, 317, 2711-2718.	2.6	52
53	Replicational Dilution of H3K27me3 in Mammalian Cells and the Role of Poised Promoters. Molecular Cell, 2020, 78, 141-151.e5.	9.7	52
54	The lineage-specific transcription factor CDX2 navigates dynamic chromatin to control distinct stages of intestine development. Development (Cambridge), 2019, 146, .	2.5	50

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55	Transcription Factor Foxq1 Controls Mucin Gene Expression and Granule Content in Mouse Stomach Surface Mucous Cells. Gastroenterology, 2008, 135, 591-600.	1.3	49
56	TRPS1 Is a Lineage-Specific Transcriptional Dependency in Breast Cancer. Cell Reports, 2018, 25, 1255-1267.e5.	6.4	46
57	Tissue regeneration: Reserve or reverse?. Science, 2021, 371, 784-786.	12.6	46
58	Downregulation of Hedgehog Signaling Is Required for Organogenesis of the Small Intestine in Xenopus. Developmental Biology, 2001, 229, 188-202.	2.0	45
59	Requirement of the Epithelium-specific Ets Transcription Factor Spdef for Mucous Gland Cell Function in the Gastric Antrum. Journal of Biological Chemistry, 2010, 285, 35047-35055.	3.4	42
60	Indian Hedgehog Mediates Gastrin-Induced Proliferation in Stomach of Adult Mice. Gastroenterology, 2014, 147, 655-666.e9.	1.3	39
61	Hedgehog-Activated Fat4 and PCP Pathways Mediate Mesenchymal Cell Clustering and Villus Formation in Gut Development. Developmental Cell, 2020, 52, 647-658.e6.	7.0	39
62	Active enhancers are delineated de novo during hematopoiesis, with limited lineage fidelity among specified primary blood cells. Genes and Development, 2014, 28, 1827-1839.	5.9	38
63	Control of stomach smooth muscle development and intestinal rotation by transcription factor BARX1. Developmental Biology, 2015, 405, 21-32.	2.0	36
64	Distinct Processes and Transcriptional Targets Underlie CDX2 Requirements in Intestinal Stem Cells and Differentiated Villus Cells. Stem Cell Reports, 2015, 5, 673-681.	4.8	35
65	Overlapping Gene Expression in Fetal Mouse Intestine Development and Human Colorectal Cancer. Cancer Research, 2005, 65, 8715-8722.	0.9	34
66	Transcription factor-dependent â€˜anti-repressiveâ€™ mammalian enhancers exclude H3K27me3 from extended genomic domains. Genes and Development, 2017, 31, 2391-2404.	5.9	34
67	Enhancer, transcriptional, and cell fate plasticity precedes intestinal determination during endoderm development. Genes and Development, 2018, 32, 1430-1442.	5.9	34
68	Culture, Expansion, and Differentiation of Murine Megakaryocytes. Current Protocols in Immunology, 2005, 67, Unit 22F.6.	3.6	32
69	Requirement of the Tissue-Restricted Homeodomain Transcription Factor Nkx6.3 in Differentiation of Gastrin-Producing G Cells in the Stomach Antrum. Molecular and Cellular Biology, 2008, 28, 3208-3218.	2.3	31
70	Endodermal Hedgehog signals modulate Notch pathway activity in the developing digestive tract mesenchyme. Development (Cambridge), 2011, 138, 3225-3233.	2.5	31
71	SATB2 preserves colon stem cell identity and mediates ileum-colon conversion via enhancer remodeling. Cell Stem Cell, 2022, 29, 101-115.e10.	11.1	31
72	Creb5 establishes the competence for Prg4 expression in articular cartilage. Communications Biology, 2021, 4, 332.	4.4	30

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73	Somatic copy number alterations in gastric adenocarcinomas among Asian and Western patients. PLoS ONE, 2017, 12, e0176045.	2.5	28
74	KrÃ¼ppel-like Factor 5 Regulates Stemness, Lineage Specification, and Regeneration of Intestinal Epithelial Stem Cells. Cellular and Molecular Gastroenterology and Hepatology, 2020, 9, 587-609.	4.5	26
75	Adaptation of pancreatic cancer cells to nutrient deprivation is reversible and requires glutamine synthetase stabilization by mTORC1. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	26
76	Regulation of mouse stomach development and Barx1 expression by specific microRNAs. Development (Cambridge), 2011, 138, 1081-1086.	2.5	21
77	Transcriptional Regulator CNOT3 Defines an Aggressive Colorectal Cancer Subtype. Cancer Research, 2017, 77, 766-779.	0.9	21
78	Hybrid Stomach-Intestinal Chromatin States Underlie Human Barrettâ€™s Metaplasia. Gastroenterology, 2021, 161, 924-939.e11.	1.3	18
79	The Role of Transcription Factor NF‐E2 in Megakaryocyte Maturation and Platelet Production. Stem Cells, 1996, 14, 112-115.	3.2	17
80	SOX15 Governs Transcription in Human Stratified Epithelia and a Subset of Esophageal Adenocarcinomas. Cellular and Molecular Gastroenterology and Hepatology, 2015, 1, 598-609.e6.	4.5	14
81	Structure and expression of a novel frizzled gene isolated from the developing mouse gut. Biochemical Journal, 2000, 349, 829-834.	3.7	13
82	Epigenetic regulation of intestinal stem cell differentiation. American Journal of Physiology - Renal Physiology, 2020, 319, G189-G196.	3.4	11
83	Transcription factor-mediated intestinal metaplasia and the role of a shadow enhancer. Genes and Development, 2022, 36, 38-52.	5.9	11
84	Cell and chromatin transitions in intestinal stem cell regeneration. Genes and Development, 2022, 36, 684-698.	5.9	9
85	An animal model for myelofibrosis. Blood, 2002, 100, 1109-1110.	1.4	7
86	Co-culture of Gastric Organoids and Immortalized Stomach Mesenchymal Cells. Methods in Molecular Biology, 2016, 1422, 23-31.	0.9	7
87	Epigenetic Signatures and Plasticity of Intestinal and Other Stem Cells. Annual Review of Physiology, 2021, 83, 405-427.	13.1	6
88	Limited gut cell repertoire for multiple hormones. Nature Cell Biology, 2018, 20, 865-867.	10.3	5
89	Stem cell responses to stretch and strain. Trends in Cell Biology, 2022, 32, 4-7.	7.9	5
90	The intestinalâ€“crypt casino. Nature, 2010, 467, 1055-1056.	27.8	4

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91	Radiation Redux: Reserve Intestinal Stem Cells Miss the Call to Duty. Cell Stem Cell, 2014, 14, 135-136.	11.1	4
92	Dissecting Cell Lineages: From Microscope to Kaleidoscope. Cell, 2019, 176, 949-951.	28.9	4
93	Lonely in Paris: when one gene copy isnâ€™t enough. Journal of Clinical Investigation, 2004, 114, 17-19.	8.2	3
94	Race to the bottom: Darwinian competition in early intestinal tumorigenesis. Cell Stem Cell, 2021, 28, 1340-1342.	11.1	2
95	GEFs on the RhoAd to a Colossal Nucleus. Developmental Cell, 2012, 22, 471-472.	7.0	1
96	Progastrin production transitions from Bmi1+/Prox1+ to Lgr5high cells during early intestinal tumorigenesis. Translational Oncology, 2021, 14, 101001.	3.7	1
97	A Fli in the ointment. Blood, 2005, 105, 9-10.	1.4	0
98	Erratum for Verzi et al., Intestinal Master Transcription Factor CDX2 Controls Chromatin Access for Partner Transcription Factor Binding. Molecular and Cellular Biology, 2015, 35, 496-496.	2.3	0
99	The Alimentary Canal. , 2016, , 77-84.		0
100	Natural Selection, Crypt Fitness, and Pol III Dependency in theÂIntestine. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 714-715.	4.5	0
101	Phosphatidyl Inositol (4,5)P2 Marks Megakaryocyte Internal Membranes and Is Associated with Megakaryocyte Maturation and Platelet Release.. Blood, 2005, 106, 732-732.	1.4	0
102	Loss of Non-Muscle Myosin Heavy Chain IIA Function Does Not Restrict Megakaryocyte Maturation or Spontaneous Platelet Release and Likely Affects Non-Cell-Autonomous Aspects of Thrombopoiesis.. Blood, 2006, 108, 701-701.	1.4	0
103	The hens guarding epithelial cancer fox-houses. Cell Research, 2021, , .	12.0	0