Thomas Mercher

List of Publications by Year
in descending order

67 papers	9,220 citations	134610 34 h-index	116156 66 g-index
76 all docs	76 docs citations	76 times ranked	11456 citing authors

#	Article	IF	Citations
1	Screening of ETO2-GLIS2â€“induced Super Enhancers identifies targetable cooperative dependencies in acute megakaryoblastic leukemia. Science Advances, 2022, 8, eabg9455.	4.7	9
2	Stepwise GATA1 and SMC3 mutations alter megakaryocyte differentiation in a Down syndrome leukemia model. Journal of Clinical Investigation, 2022, 132, .	3.9	11
3	Molecular Landscapes and Models of Acute Erythroleukemia. HemaSphere, 2021, 5, e558.	1.2	2
4	Human erythroleukemia genetics and transcriptomes identify master transcription factors as functional disease drivers. Blood, 2020, 136, 698-714.	0.6	28
5	Nuclear interacting SET domain protein 1 inactivation impairs GATA1-regulated erythroid differentiation and causes erythroleukemia. Nature Communications, 2020, 11, 2807.	5.8	18
6	Nfkbie-deficiency leads to increased susceptibility to develop B-cell lymphoproliferative disorders in aged mice. Blood Cancer Journal, 2020, 10, 38.	2.8	7
7	The Pediatric Acute Leukemia Fusion Oncogene ETO2â€GLIS2 Increases Selfâ€Renewal and Alters Differentiation in a Human Induced Pluripotent Stem Cellsâ€Derived Model. HemaSphere, 2020, 4, e319.	1.2	8
8	Constitutive Activation of RAS/MAPK Pathway Cooperates with Trisomy 21 and Is Therapeutically Exploitable in Down Syndrome B-cell Leukemia. Clinical Cancer Research, 2020, 26, 3307-3318.	3.2	28
9	SPEN integrates transcriptional and epigenetic control of X-inactivation. Nature, 2020, 578, 455-460.	13.7	146
10	Pediatric Acute Myeloid Leukemia (AML): From Genes to Models Toward Targeted Therapeutic Intervention. Frontiers in Pediatrics, 2019, 7, 401.	0.9	27
11	A Recurrent Activating Missense Mutation in WaldenstrÃ¶m Macroglobulinemia Affects the DNA Binding of the ETS Transcription Factor SPI1 and Enhances Proliferation. Cancer Discovery, 2019, 9, 796-811.	7.7	30
12	Ontogenic Changes in Hematopoietic Hierarchy Determine Pediatric Specificity and Disease Phenotype in Fusion Oncogeneâ€“Driven Myeloid Leukemia. Cancer Discovery, 2019, 9, 1736-1753.	7.7	37
13	Transformation Mechanisms of the Nfia-ETO2 Fusion Gene Associated with Pediatric Pure Acute Erythroleukemia. Blood, 2019, 134, 532-532.	0.6	1
14	AIF loss deregulates hematopoiesis and reveals different adaptive metabolic responses in bone marrow cells and thymocytes. Cell Death and Differentiation, 2018, 25, 983-1001.	5.0	49
15	B-cell tumor development in Tet2-deficient mice. Blood Advances, 2018, 2, 703-714.	2.5	37
16	Chromosomal Translocation Formation Is Sufficient to Produce Fusion Circular RNAs Specific to Patient Tumor Cells. IScience, 2018, 5, 19-29.	1.9	15
17	Partial trisomy 21 contributes to T-cell malignancies induced by JAK3-activating mutations in murine models. Blood Advances, 2018, 2, 1616-1627.	2.5	9
18	Crispri-Based Screening of Clustered Regulatory Elements Reveals Novel Leukemia Dependencies. Blood, 2018, 132, 654-654.	0.6	0

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19	ETO2-GLIS2 Hijacks Transcriptional Complexes to Drive Cellular Identity and Self-Renewal in Pediatric Acute Megakaryoblastic Leukemia. Cancer Cell, 2017, 31, 452-465.	7.7	60
20	Pediatric Acute Megakaryoblastic Leukemia: Multitasking Fusion Proteins and Oncogenic Cooperations. Trends in Cancer, 2017, 3, 631-642.	3.8	18
21	Molecular pathways driven by ETO2-GLIS2 in aggressive pediatric leukemia. Molecular and Cellular Oncology, 2017, 4, e1345351.	0.3	10
22	Acute megakaryoblastic leukemia (excluding Down syndrome) remains an acute myeloid subgroup with inferior outcome in the French ELAM02 trial. Pediatric Hematology and Oncology, 2017, 34, 425-427.	0.3	14
23	DNMT3AR882H mutant and Tet2 inactivation cooperate in the deregulation of DNA methylation control to induce lymphoid malignancies in mice. Leukemia, 2016, 30, 1388-1398.	3.3	67
24	ETO2-GLIS2 Controls Differentiation Arrest and Self-Renewal through Aberrant Enhancers Regulation in Pediatric Leukemia. Blood, 2016, 128, 572-572.	0.6	0
25	Recurrent TET2 mutations in adult T cell leukemia. Retrovirology, 2014, 11, .	0.9	1
26	JAK3 deregulation by activating mutations confers invasive growth advantage in extranodal nasal-type natural killer cell lymphoma. Leukemia, 2014, 28, 338-348.	3.3	137
27	Acquired Initiating Mutations in Early Hematopoietic Cells of CLL Patients. Cancer Discovery, 2014, 4, 1088-1101.	7.7	213
28	TET2 Deficiency Inhibits Mesoderm and Hematopoietic Differentiation in Human Embryonic Stem Cells. Stem Cells, 2014, 32, 2084-2097.	1.4	34
29	STAT5 Is Crucial to Maintain Leukemic Stem Cells in Acute Myelogenous Leukemias Induced by MOZ-TIF2. Cancer Research, 2013, 73, 373-384.	0.4	30
30	Ikaros inhibits megakaryopoiesis through functional interaction with GATA-1 and NOTCH signaling. Blood, 2013, 121, 2440-2451.	0.6	48
31	Developmental changes in human megakaryopoiesis. Journal of Thrombosis and Haemostasis, 2013, 11, 1730-1741.	1.9	68
32	TET2 and TET3 regulate GlcNAcylation and H3K4 methylation through OGT and SET1/COMPASS. EMBO Journal, 2013, 32, 645-655.	3.5	411
33	STAT3 mutations identified in human hematologic neoplasms induce myeloid malignancies in a mouse bone marrow transplantation model. Haematologica, 2013, 98, 1748-1752.	1.7	50
34	RUNX1-induced silencing of non-muscle myosin heavy chain IIB contributes to megakaryocyte polyploidization. Nature Communications, 2012, 3, 717.	5.8	122
35	Characterization of novel genomic alterations and therapeutic approaches using acute megakaryoblastic leukemia xenograft models. Journal of Experimental Medicine, 2012, 209, 2017-2031.	4.2	87
36	In aggressive forms of mastocytosis, TET2 loss cooperates with c-KITD816V to transform mast cells. Blood, 2012, 120, 4846-4849.	0.6	89

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37	Identification of Regulators of Polyploidization Presents Therapeutic Targets for Treatment of AMKL. Cell, 2012, 150, 575-589.	13.5	136
38	A functional role for the histone demethylase UTX in normal and malignant hematopoietic cells. Experimental Hematology, 2012, 40, 487-498.e3.	0.2	22
39	TET2, a tumor suppressor in hematological disorders. Biochimica Et Biophysica Acta: Reviews on Cancer, 2012, 1825, 173-177.	3.3	16
40	Crosstalk between NOTCH and AKT signaling during murine megakaryocyte lineage specification. Blood, 2011, 118, 1264-1273.	0.6	61
41	TET2 Inactivation Results in Pleiotropic Hematopoietic Abnormalities in Mouse and IsÂa Recurrent Event during Human Lymphomagenesis. Cancer Cell, 2011, 20, 25-38.	7.7	792
42	TET2 Inactivation Results in Pleiotropic Hematopoietic Abnormalities in Mouse and IsÂa Recurrent Event during Human Lymphomagenesis. Cancer Cell, 2011, 20, 276.	7.7	3
43	RUNX1-Induced Silencing of Non-Muscle Myosin Iib (MYH10) Is Required for Megakaryocyte Polyploidization. Blood, 2011, 118, 1308-1308.	0.6	0
44	TET2 Favors Mesoderm and Hematopoietic Differentiation in Human Embryonic Stem Cells. Blood, 2011, 118, 2418-2418.	0.6	0
45	Physiological Jak2V617F Expression Causes a Lethal Myeloproliferative Neoplasm with Differential Effects on Hematopoietic Stem and Progenitor Cells. Cancer Cell, 2010, 17, 584-596.	7.7	324
46	Activating mutation in the TSLPR gene in B-cell precursor lymphoblastic leukemia. Leukemia, 2010, 24, 642-645.	3.3	58
47	Cdx4 is dispensable for murine adult hematopoietic stem cells but promotes MLL-AF9-mediated leukemogenesis. Haematologica, 2010, 95, 1642-1650.	1.7	14
48	JAK3: A two-faced player in hematological disorders. International Journal of Biochemistry and Cell Biology, 2009, 41, 2376-2379.	1.2	76
49	Constitutive JAK3 activation induces lymphoproliferative syndromes in murine bone marrow transplantation models. Blood, 2009, 113, 2746-2754.	0.6	76
50	The OTT-MAL fusion oncogene activates RBPJ-mediated transcription and induces acute megakaryoblastic leukemia in a knockin mouse model. Journal of Clinical Investigation, 2009, 119, 852-64.	3.9	80
51	Notch Signaling Specifies Megakaryocyte Development from Hematopoietic Stem Cells. Cell Stem Cell, 2008, 3, 314-326.	5.2	117
52	OTT-MAL Is a Deregulated Activator of Serum Response Factor-Dependent Gene Expression. Molecular and Cellular Biology, 2008, 28, 6171-6181.	1.1	38
53	Ott1(Rbm15) has pleiotropic roles in hematopoietic development. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6001-6006.	3.3	72
54	A novel fusion of RBM6 to CSF1R in acute megakaryoblastic leukemia. Blood, 2007, 110, 323-333.	0.6	44

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55	Notch Signaling Induces Megakaryocytic Cell Fate.. Blood, 2007, 110, 200-200.	0.6	0
56	Expression of Jak2V617F causes a polycythemia veraâ€“like disease with associated myelofibrosis in a murine bone marrow transplant model. Blood, 2006, 107, 4274-4281.	0.6	448
57	JAK2T875N is a novel activating mutation that results in myeloproliferative disease with features of megakaryoblastic leukemia in a murine bone marrow transplantation model. Blood, 2006, 108, 2770-2779.	0.6	104
58	CEBPA dosage in leukemogenesis. Blood, 2006, 108, 3234-3234.	0.6	0
59	Activating alleles of JAK3 in acute megakaryoblastic leukemia. Cancer Cell, 2006, 10, 65-75.	7.7	295
60	MPLW515L Is a Novel Somatic Activating Mutation in Myelofibrosis with Myeloid Metaplasia. PLoS Medicine, 2006, 3, e270.	3.9	1,222
61	Ott1(Rbm15) Is Essential for Pre-B Differentiation and Has an Inhibitory Role in Myeloid and Megakaryocytic Lineages.. Blood, 2006, 108, 784-784.	0.6	0
62	Activating mutation in the tyrosine kinase JAK2 in polycythemia vera, essential thrombocythemia, and myeloid metaplasia with myelofibrosis. Cancer Cell, 2005, 7, 387-397.	7.7	2,695
63	Interaction of the Epstein-Barr Virus mRNA Export Factor EB2 with Human Spen Proteins SHARP, OTT1, and a Novel Member of the Family, OTT3, Links Spen Proteins with Splicing Regulation and mRNA Export. Journal of Biological Chemistry, 2005, 280, 36935-36945.	1.6	70
64	A novel real-time RT-PCR assay for quantification of OTT-MAL fusion transcript reliable for diagnosis of t(1;22) and minimal residual disease (MRD) detection. Leukemia, 2003, 17, 1193-1196.	3.3	21
65	Recurrence ofOTT-MALfusion in t(1;22) of infant AML-M7. Genes Chromosomes and Cancer, 2002, 33, 22-28.	1.5	56
66	A new recurrent and specific cryptic translocation, t(5;14)(q35;q32), is associated with expression of the Hox11L2 gene in T acute lymphoblastic leukemia. Leukemia, 2001, 15, 1495-1504.	3.3	230
67	Involvement of a human gene related to the Drosophila spen gene in the recurrent t(1;22) translocation of acute megakaryocytic leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 5776-5779.	3.3	213