

Aparna Vasanthakumar

List of Publications by Year in descending order

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papers

7,341
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#	ARTICLE	IF	CITATIONS
1	Leukemic IDH1 and IDH2 Mutations Result in a Hypermethylation Phenotype, Disrupt TET2 Function, and Impair Hematopoietic Differentiation. <i>Cancer Cell</i> , 2010, 18, 553-567.	16.8	2,328
2	Tet2 Loss Leads to Increased Hematopoietic Stem Cell Self-Renewal and Myeloid Transformation. <i>Cancer Cell</i> , 2011, 20, 11-24.	16.8	1,105
3	Dnmt3a is essential for hematopoietic stem cell differentiation. <i>Nature Genetics</i> , 2012, 44, 23-31.	21.4	916
4	5-hmC-mediated epigenetic dynamics during postnatal neurodevelopment and aging. <i>Nature Neuroscience</i> , 2011, 14, 1607-1616.	14.8	746
5	Recurrent somatic TET2 mutations in normal elderly individuals with clonal hematopoiesis. <i>Nature Genetics</i> , 2012, 44, 1179-1181.	21.4	692
6	DNA Hydroxymethylation Profiling Reveals that WT1 Mutations Result in Loss of TET2 Function in Acute Myeloid Leukemia. <i>Cell Reports</i> , 2014, 9, 1841-1855.	6.4	237
7	Inhibition of TET2-mediated conversion of 5-methylcytosine to 5-hydroxymethylcytosine disturbs erythroid and granulomonocytic differentiation of human hematopoietic progenitors. <i>Blood</i> , 2011, 118, 2551-2555.	1.4	163
8	TET1-Mediated Hydroxymethylation Facilitates Hypoxic Gene Induction in Neuroblastoma. <i>Cell Reports</i> , 2014, 7, 1343-1352.	6.4	146
9	DNA methyltransferase 1 and DNA methylation patterning contribute to germinal center B-cell differentiation. <i>Blood</i> , 2011, 118, 3559-3569.	1.4	123
10	Effects of TET2 mutations on DNA methylation in chronic myelomonocytic leukemia. <i>Epigenetics</i> , 2012, 7, 201-207.	2.7	110
11	Hydroxymethylation at Gene Regulatory Regions Directs Stem/Early Progenitor Cell Commitment during Erythropoiesis. <i>Cell Reports</i> , 2014, 6, 231-244.	6.4	93
12	Iron-responsive degradation of iron-regulatory protein 1 does not require the Fe-S cluster. <i>EMBO Journal</i> , 2006, 25, 544-553.	7.8	87
13	DNA Methylation Dynamics of Germinal Center B Cells Are Mediated by AID. <i>Cell Reports</i> , 2015, 12, 2086-2098.	6.4	87
14	TET2 Mutations Affect Non-CpG Island DNA Methylation at Enhancers and Transcription Factor Binding Sites in Chronic Myelomonocytic Leukemia. <i>Cancer Research</i> , 2015, 75, 2833-2843.	0.9	80
15	5-hydroxymethylcytosine in cancer: significance in diagnosis and therapy. <i>Cancer Genetics</i> , 2015, 208, 167-177.	0.4	77
16	Genome-wide hydroxymethylation tested using the HELP-GT assay shows redistribution in cancer. <i>Nucleic Acids Research</i> , 2013, 41, e157-e157.	14.5	69
17	DNMT3B7, a Truncated DNMT3B Isoform Expressed in Human Tumors, Disrupts Embryonic Development and Accelerates Lymphomagenesis. <i>Cancer Research</i> , 2010, 70, 5840-5850.	0.9	56
18	Dnmt3b is a haploinsufficient tumor suppressor gene in Myc-induced lymphomagenesis. <i>Blood</i> , 2013, 121, 2059-2063.	1.4	44

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19	Brca1 deficiency causes bone marrow failure and spontaneous hematologic malignancies in mice. <i>Blood</i> , 2016, 127, 310-313.	1.4	39
20	Truncated DNMT3B Isoform DNMT3B7 Suppresses Growth, Induces Differentiation, and Alters DNA Methylation in Human Neuroblastoma. <i>Cancer Research</i> , 2012, 72, 4714-4723.	0.9	35
21	Selective inhibition of the citrate-to-isocitrate reaction of cytosolic aconitase by phosphomimetic mutation of serine-711. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10907-10912.	7.1	26
22	Evidence That Phosphorylation of Iron Regulatory Protein 1 at Serine 138 Destabilizes the [4Fe-4S] Cluster in Cytosolic Aconitase by Enhancing 4Fe-3Fe Cycling. <i>Journal of Biological Chemistry</i> , 2009, 284, 12701-12709.	3.4	26
23	2-Hydroxyglutarate in IDH mutant acute myeloid leukemia: predicting patient responses, minimal residual disease and correlations with methylcytosine and hydroxymethylcytosine levels. <i>Leukemia and Lymphoma</i> , 2013, 54, 408-410.	1.3	21
24	Perturbations of 5-Hydroxymethylcytosine Patterning in Hematologic Malignancies. <i>Seminars in Hematology</i> , 2013, 50, 61-69.	3.4	14
25	Dnmt3a Is Essential for Hematopoietic Stem Cell Differentiation. <i>Blood</i> , 2011, 118, 386-386.	1.4	7
26	Epigenetic Control of Apolipoprotein E Expression Mediates Gender-Specific Hematopoietic Regulation. <i>Stem Cells</i> , 2015, 33, 3643-3654.	3.2	6
27	On the Origin of Leukemic Species. <i>Cell Stem Cell</i> , 2014, 14, 421-422.	11.1	4
28	Limited Effect of TET2 Mutations on Promoter DNA Methylation in Chronic Myelomonocytic Leukemia. <i>Blood</i> , 2011, 118, 1365-1365.	1.4	1
29	Myc-Mediated Lymphomagenesis Is Driven by DNA Methylation Changes Induced by DNMT3B7 Expression and Dnmt3b Heterozygosity. <i>Blood</i> , 2011, 118, 225-225.	1.4	0
30	Dynamic Regulation of 5-Hydroxymethylcytosine At the $\hat{\gamma}$ -Globin Promoter During Erythroid Differentiation. <i>Blood</i> , 2012, 120, 824-824.	1.4	0
31	Hematopoietic Stem Cell Function Is Regulated By Hormonal and Epigenetic Factors. <i>Blood</i> , 2013, 122, 1194-1194.	1.4	0
32	Brca1 Deficiency Causes Bone Marrow Failure and Spontaneous Hematologic Malignancies in Mice. <i>Blood</i> , 2015, 126, 295-295.	1.4	0