Anindita Roy

List of Publications by Year
in descending order

38 papers	1,853 citations	394421 19 h-index	395702 33 g-index
45 all docs	45 docs citations	45 times ranked	3135 citing authors

#	Article	IF	Citations
1	Decoding human fetal liver haematopoiesis. Nature, 2019, 574, 365-371.	27.8	392
2	GATA1-mutant clones are frequent and often unsuspected in babies with Down syndrome: identification of a population at risk of leukemia. Blood, 2013, 122, 3908-3917.	1.4	162
3	Abnormalities in the myeloid progenitor compartment in Down syndrome fetal liver precede acquisition of GATA1 mutations. Blood, 2008, 112, 4507-4511.	1.4	143
4	Perturbation of fetal liver hematopoietic stem and progenitor cell development by trisomy 21. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17579-17584.	7.1	138
5	Single-cell profiling of human megakaryocyte-erythroid progenitors identifies distinct megakaryocyte and erythroid differentiation pathways. Genome Biology, 2016, 17, 83.	8.8	124
6	Acute megakaryoblastic leukaemia (AMKL) and transient myeloproliferative disorder (TMD) in Down syndrome: a multiâ€step model of myeloid leukaemogenesis. British Journal of Haematology, 2009, 147, 3-12.	2.5	115
7	Unraveling the cellular origin and clinical prognostic markers of infant B-cell acute lymphoblastic leukemia using genome-wide analysis. Haematologica, 2019, 104, 1176-1188.	3.5	76
8	Blood and immune development in human fetal bone marrow and Down syndrome. Nature, 2021, 598, 327-331.	27.8	73
9	MLL-AF4 Spreading Identifies Binding Sites that Are Distinct from Super-Enhancers and that Govern Sensitivity to DOT1L Inhibition in Leukemia. Cell Reports, 2017, 18, 482-495.	6.4	69
10	Biology and management of transient abnormal myelopoiesis (TAM) in children with Down syndrome. Seminars in Fetal and Neonatal Medicine, 2012, 17, 196-201.	2.3	62
11	Discovery of a CD10-negative B-progenitor in human fetal life identifies unique ontogeny-related developmental programs. Blood, 2019, 134, 1059-1071.	1.4	62
12	Stem and progenitor cell dysfunction in human trisomies. EMBO Reports, 2015, 16, 44-62.	4.5	38
13	Transitions in lineage specification and gene regulatory networks in hematopoietic stem/progenitor cells over human development. Cell Reports, 2021, 36, 109698.	6.4	38
14	H3K79me2/3 controls enhancerâ€“promoter interactions and activation of the pan-cancer stem cell marker PROM1/CD133 in MLL-AF4 leukemia cells. Leukemia, 2021, 35, 90-106.	7.2	35
15	The genome-wide impact of trisomy 21 on DNA methylation and its implications for hematopoiesis. Nature Communications, 2021, 12, 821.	12.8	32
16	Single-cell profiling of human bone marrow progenitors reveals mechanisms of failing erythropoiesis in Diamond-Blackfan anemia. Science Translational Medicine, 2021, 13, eabf0113.	12.4	32
17	A human fetal liver-derived infant MLL-AF4 acute lymphoblastic leukemia model reveals a distinct fetal gene expression program. Nature Communications, 2021, 12, 6905.	12.8	28
18	Impaired human hematopoiesis due to a cryptic intronic GATA1 splicing mutation. Journal of Experimental Medicine, 2019, 216, 1050-1060.	8.5	27

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19	In utero origin of myelofibrosis presenting in adult monozygotic twins. Nature Medicine, 2022, 28, 1207-1211.	30.7	26
20	Heterogeneous disease-propagating stem cells in juvenile myelomonocytic leukemia. Journal of Experimental Medicine, 2021, 218, .	8.5	25
21	The Origin of B-cells: Human Fetal B Cell Development and Implications for the Pathogenesis of Childhood Acute Lymphoblastic Leukemia. Frontiers in Immunology, 2021, 12, 637975.	4.8	22
22	The impact of trisomy 21 on foetal haematopoiesis. Blood Cells, Molecules, and Diseases, 2013, 51, 277-281.	1.4	21
23	Single-cell analysis of bone marrowâ€"derived CD34+ cells from children with sickle cell disease and thalassemia. Blood, 2019, 134, 2111-2115.	1.4	21
24	The BET inhibitor CPI203 promotes ex vivo expansion of cord blood long-term repopulating HSCs and megakaryocytes. Blood, 2020, 136, 2410-2415.	1.4	18
25	A KMT2A-AFF1 gene regulatory network highlights the role of core transcription factors and reveals the regulatory logic of key downstream target genes. Genome Research, 2021, 31, 1159-1173.	5.5	16
26	High resolution IgH repertoire analysis reveals fetal liver as the likely origin of life-long, innate B lymphopoiesis in humans. Clinical Immunology, 2017, 183, 8-16.	3.2	15
27	MLL-rearranged infant leukaemia: A â€˜thorn in the sideâ€™ of a remarkable success story. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2020, 1863, 194564.	1.9	13
28	The impact of trisomy 21 on early human hematopoiesis. Cell Cycle, 2013, 12, 533-534.	2.6	8
29	Germline variants in predisposition genes in children with Down syndrome and acute lymphoblastic leukemia. Blood Advances, 2020, 4, 672-675.	5.2	5
30	Processing single-cell RNA-seq datasets using SingCellaR. STAR Protocols, 2022, 3, 101266.	1.2	5
31	A â€œgut feelingâ€•about precursor B-ALL. Blood, 2020, 136, 1995-1996.	1.4	2
32	Trilineage Perturbation of Hematopoiesis In Neonates with Down Syndrome. Blood, 2010, 116, 876-876.	1.4	1
33	Developmental Stage Specific B-Progenitor Expansion in Normal Fetal Bone Marrow Is Absent in Down Syndrome: Implications for Infant ALL. Blood, 2014, 124, 4331-4331.	1.4	1
34	Epigenome-wide association study of acute lymphoblastic leukemia in children with Down syndrome. Blood Advances, 2022, 6, 4132-4136.	5.2	1
35	Clinical and Hematologic Impact of Fetal and Perinatal Variables on Mutant GATA1 Clone Size in Neonates with Down Syndrome. Blood, 2014, 124, 2349-2349.	1.4	0
36	Trisomy 21-Associated Abnormalities in IGF Signalling and the Fetal Microenvironment Both Contribute to Disruption of Fetal Hematopoiesis in Down Syndrome. Blood, 2014, 124, 1885-1885.	1.4	0

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37	High Resolution Igh Repertoire Analysis Reveals the Human Fetal Liver As the Origin of Life-Long, Innate B Lymphopoiesis. Blood, 2016, 128, 127-127.	1.4	0
38	Base Editing Repairs the HbE Mutation Restoring the Production of Normal Globin Chains in Severe HbE/Î²-Thalassemia Patient Hematopoietic Stem Cells and Erythroid Cells. Blood, 2021, 138, 2935-2935.	1.4	0