

# Eric E Bouhassira

## List of Publications by Year in descending order

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95  
papers

7,234  
citations

76294

40  
h-index

62565

80  
g-index

99  
all docs

99  
docs citations

99  
times ranked

10094  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutations in a member of the ADAMTS gene family cause thrombotic thrombocytopenic purpura. <i>Nature</i> , 2001, 413, 488-494.	13.7	1,623
2	Correction of Sickle Cell Disease in Transgenic Mouse Models by Gene Therapy. <i>Science</i> , 2001, 294, 2368-2371.	6.0	536
3	Histone H1 Depletion in Mammals Alters Global Chromatin Structure but Causes Specific Changes in Gene Regulation. <i>Cell</i> , 2005, 123, 1199-1212.	13.5	493
4	Polymerase chain reaction amplification applied to the determination of $\beta$ -like globin gene cluster haplotypes. <i>American Journal of Hematology</i> , 1989, 32, 66-69.	2.0	289
5	Differentiation of Human Embryonic Stem Cells into Bipotent Mesenchymal Stem Cells. <i>Stem Cells</i> , 2006, 24, 1914-1922.	1.4	200
6	Site-specific chromosomal integration in mammalian cells: highly efficient CRE recombinase-mediated cassette exchange. <i>Journal of Molecular Biology</i> , 1999, 292, 779-785.	2.0	190
7	Permanent and panerythroid correction of murine $\beta$ thalassemia by multiple lentiviral integration in hematopoietic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14380-14385.	3.3	185
8	ADAMTS13 is expressed in hepatic stellate cells. <i>Laboratory Investigation</i> , 2005, 85, 780-788.	1.7	181
9	Transferrin therapy ameliorates disease in $\beta$ -thalassemic mice. <i>Nature Medicine</i> , 2010, 16, 177-182.	15.2	178
10	Transcriptional Interference by Independently Regulated Genes Occurs in Any Relative Arrangement of the Genes and Is Influenced by Chromosomal Integration Position. <i>Molecular and Cellular Biology</i> , 2002, 22, 469-479.	1.1	159
11	Large-scale production of embryonic red blood cells from human embryonic stem cells. <i>Experimental Hematology</i> , 2006, 34, 1635-1642.	0.2	153
12	Genomic Targeting of Methylated DNA: Influence of Methylation on Transcription, Replication, Chromatin Structure, and Histone Acetylation. <i>Molecular and Cellular Biology</i> , 2000, 20, 9103-9112.	1.1	147
13	Globin switches in yolk sac-like primitive and fetal-like definitive red blood cells produced from human embryonic stem cells. <i>Blood</i> , 2008, 111, 2400-2408.	0.6	141
14	High-resolution genome-wide cytosine methylation profiling with simultaneous copy number analysis and optimization for limited cell numbers. <i>Nucleic Acids Research</i> , 2009, 37, 3829-3839.	6.5	141
15	Human embryonic stem cells in culture possess primary cilia with hedgehog signaling machinery. <i>Journal of Cell Biology</i> , 2008, 180, 897-904.	2.3	135
16	Differentiation of human embryonic stem cells into hematopoietic cells by coculture with human fetal liver cells recapitulates the globin switch that occurs early in development. <i>Experimental Hematology</i> , 2005, 33, 1450-1458.	0.2	125
17	Autophagy Driven by a Master Regulator of Hematopoiesis. <i>Molecular and Cellular Biology</i> , 2012, 32, 226-239.	1.1	119
18	Predictable dynamic program of timing of DNA replication in human cells. <i>Genome Research</i> , 2009, 19, 2288-2299.	2.4	107

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19	High-Resolution Mapping of H1 Linker Histone Variants in Embryonic Stem Cells. <i>PLoS Genetics</i> , 2013, 9, e1003417.	1.5	106
20	Efficient generation of lens progenitor cells and lentoid bodies from human embryonic stem cells in chemically defined conditions. <i>FASEB Journal</i> , 2010, 24, 3274-3283.	0.2	98
21	Mammalian linker-histone subtypes differentially affect gene expression in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5920-5925.	3.3	96
22	Zinc-finger nuclease-mediated correction of $\beta$ -thalassemia in iPS cells. <i>Blood</i> , 2012, 120, 3906-3914.	0.6	90
23	Small RNAs derived from lncRNA RNase MRP have gene-silencing activity relevant to human cartilage hair hypoplasia. <i>Human Molecular Genetics</i> , 2014, 23, 368-382.	1.4	83
24	Gene Length and Proximity to Neighbors Affect Genome-Wide Expression Levels. <i>Genome Research</i> , 2003, 13, 2602-2608.	2.4	77
25	CG dinucleotide clustering is a species-specific property of the genome. <i>Nucleic Acids Research</i> , 2007, 35, 6798-6807.	6.5	74
26	Position Effects Are Influenced by the Orientation of a Transgene with Respect to Flanking Chromatin. <i>Molecular and Cellular Biology</i> , 2001, 21, 298-309.	1.1	73
27	Methylation protects cytidines from AID-mediated deamination. <i>Molecular Immunology</i> , 2005, 42, 599-604.	1.0	71
28	Histone H1.3 Suppresses <i>H19</i> Noncoding RNA Expression and Cell Growth of Ovarian Cancer Cells. <i>Cancer Research</i> , 2014, 74, 6463-6473.	0.4	68
29	Targeted deletion of 5 $\alpha$ -HS1 and 5 $\alpha$ -HS4 of the $\beta$ -globin locus control region reveals additive activity of the DNaseI hypersensitive sites. <i>Blood</i> , 2001, 98, 2022-2027.	0.6	67
30	Amelioration of Hyperbilirubinemia in Gunn Rats after Transplantation of Human Induced Pluripotent Stem Cell-Derived Hepatocytes. <i>Stem Cell Reports</i> , 2015, 5, 22-30.	2.3	64
31	Production of Embryonic and Fetal-Like Red Blood Cells from Human Induced Pluripotent Stem Cells. <i>PLoS ONE</i> , 2011, 6, e25761.	1.1	60
32	The Chicken $\beta$ -Globin 5 $\alpha$ -HS4 Boundary Element Blocks Enhancer-Mediated Suppression of Silencing. <i>Molecular and Cellular Biology</i> , 1999, 19, 3714-3726.	1.1	58
33	Dynamic Alterations of Replication Timing in Mammalian Cells. <i>Current Biology</i> , 2003, 13, 1019-1028.	1.8	58
34	The exosome complex establishes a barricade to erythroid maturation. <i>Blood</i> , 2014, 124, 2285-2297.	0.6	58
35	Allele-Specific Genome-wide Profiling in Human Primary Erythroblasts Reveal Replication Program Organization. <i>PLoS Genetics</i> , 2014, 10, e1004319.	1.5	54
36	DNA Methylation Supports Intrinsic Epigenetic Memory in Mammalian Cells. <i>PLoS Genetics</i> , 2006, 2, e65.	1.5	51

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37	Sequences Flanking Hypersensitive Sites of the $\beta$ -Globin Locus Control Region Are Required for Synergistic Enhancement. <i>Molecular and Cellular Biology</i> , 2001, 21, 2969-2980.	1.1	49
38	Enzymatically Active ADAMTS13 Variants Are Not Inhibited by Anti-ADAMTS13 Autoantibodies. <i>Journal of Biological Chemistry</i> , 2005, 280, 39934-39941.	1.6	48
39	Distinct epigenetic features of differentiation-regulated replication origins. <i>Epigenetics and Chromatin</i> , 2016, 9, 18.	1.8	47
40	Decreased replication origin activity in temporal transition regions. <i>Journal of Cell Biology</i> , 2009, 187, 623-635.	2.3	43
41	Allele-specific analysis of DNA replication origins in mammalian cells. <i>Nature Communications</i> , 2015, 6, 7051.	5.8	40
42	Preventing gene silencing with human replicators. <i>Nature Biotechnology</i> , 2006, 24, 572-576.	9.4	37
43	Exogenous iron increases hemoglobin in $\beta$ -thalassemic mice. <i>Experimental Hematology</i> , 2009, 37, 172-183.	0.2	34
44	The Human $\beta$ -Globin Locus Control Region Can Silence as Well as Activate Gene Expression. <i>Molecular and Cellular Biology</i> , 2005, 25, 3864-3874.	1.1	33
45	Concise Review: Production of Cultured Red Blood Cells from Stem Cells. <i>Stem Cells Translational Medicine</i> , 2012, 1, 927-933.	1.6	32
46	Novel, High-Yield Red Blood Cell Production Methods from CD34-Positive Cells Derived from Human Embryonic Stem, Yolk Sac, Fetal Liver, Cord Blood, and Peripheral Blood. <i>Stem Cells Translational Medicine</i> , 2012, 1, 604-614.	1.6	31
47	Transcriptional interference among the murine $\beta$ -like globin genes. <i>Blood</i> , 2007, 109, 2210-2216.	0.6	29
48	PSC-RED and MNC-RED: Albumin-free and low-transferrin robust erythroid differentiation protocols to produce human enucleated red blood cells. <i>Experimental Hematology</i> , 2019, 75, 31-52.e15.	0.2	25
49	GenPlay, a multipurpose genome analyzer and browser. <i>Bioinformatics</i> , 2011, 27, 1889-1893.	1.8	23
50	Anti- $\beta$ -Ribozyme Reduces $\beta$ s mRNA Levels in Transgenic Mice: Potential Application to the Gene Therapy of Sickle Cell Anemia. <i>Blood Cells, Molecules, and Diseases</i> , 1999, 25, 110-119.	0.6	22
51	Enhancer-Dependent Transcriptional Oscillations in Mouse Erythroleukemia Cells. <i>Molecular and Cellular Biology</i> , 1999, 19, 4907-4917.	1.1	20
52	Translesion polymerase eta both facilitates DNA replication and promotes increased human genetic variation at common fragile sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	20
53	Gene Specificity of Suppression of Transgene-Mediated Insertional Transcriptional Activation by the Chicken HS4 Insulator. <i>PLoS ONE</i> , 2009, 4, e5956.	1.1	19
54	Lentiviral globin gene therapy with reduced-intensity conditioning in adults with $\beta$ -thalassemia: a phase 1 trial. <i>Nature Medicine</i> , 2022, 28, 63-70.	15.2	18

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55	Transgenic Mice and Hemoglobinopathies. , 2003, 82, 213-241.		16
56	Developmentally regulated extended domains of DNA hypomethylation encompass highly transcribed genes of the human $\beta^2$ -globin locus. Experimental Hematology, 2009, 37, 807-813.e2.	0.2	15
57	Variation in Gamma-Globin Expression before and after Induction with Hydroxyurea Associated with BCL11A, KLF1 and TAL1. PLoS ONE, 2015, 10, e0129431.	1.1	15
58	Mechanisms of establishment and functional significance of DNA demethylation during erythroid differentiation. Blood Advances, 2018, 2, 1833-1852.	2.5	15
59	Ultra-High-Frequency Reprogramming of Individual Long-Term Hematopoietic Stem Cells Yields Low Somatic Variant Induced Pluripotent Stem Cells. Cell Reports, 2019, 26, 2580-2592.e7.	2.9	14
60	Characterization of Hematopoiesis in Sickle Cell Disease by Prospective Isolation of Stem and Progenitor Cells. Cells, 2020, 9, 2159.	1.8	14
61	Properties of the mouse $\beta^2$ -globin HS-26: Relationship to HS-40, the major enhancer of human $\beta^2$ -globin gene expression. , 1997, 54, 30-39.		13
62	Non-erythroid Genes Inserted on Either Side of Human HS-40 Impair the Activation of Its Natural $\beta^2$ -Globin Gene Targets without Being Themselves Preferentially Activated. Journal of Biological Chemistry, 2000, 275, 25831-25839.	1.6	13
63	Generation of transgenic mice expressing human hemoglobin E. Blood Cells, Molecules, and Diseases, 2004, 33, 303-307.	0.6	13
64	Toward the manufacture of red blood cells?. Blood, 2008, 112, 4362-4363.	0.6	12
65	Promoters of the murine embryonic $\beta^2$ -like globin genes $\beta^2$ and $\beta^2$ do not compete for interaction with the $\beta^2$ -globin locus control region. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1111-1115.	3.3	11
66	Identification of a BET Family Bromodomain/Casein Kinase II/TAF-Containing Complex as a Regulator of Mitotic Condensin Function. Cell Reports, 2014, 6, 892-905.	2.9	11
67	Deletions within the Mouse $\beta^2$ -Globin Locus Control Region Preferentially Reduce $\beta^2$ min Globin Gene Expression. Genomics, 2000, 63, 417-424.	1.3	10
68	Reprogramming of Embryonic Human Fibroblasts into Fetal Hematopoietic Progenitors by Fusion with Human Fetal Liver CD34+ Cells. PLoS ONE, 2011, 6, e18265.	1.1	10
69	A transgenic mouse model expressing exclusively human hemoglobin E: Indications of a mild oxidative stress. Blood Cells, Molecules, and Diseases, 2012, 48, 91-101.	0.6	9
70	Complete Genome Phasing of Family Quartet by Combination of Genetic, Physical and Population-Based Phasing Analysis. PLoS ONE, 2013, 8, e64571.	1.1	9
71	Erythropoiesis from Human Embryonic Stem Cells Through Erythropoietin-Independent AKT Signaling. Stem Cells, 2014, 32, 1503-1514.	1.4	9
72	Increased Global Gene Promoter Methylation after Relapse (Rel) of Acute Promyelocytic Leukemia (APL) from All-trans Retinoic Acid (ATRA)-Containing Treatment Is Dissociated from Concurrent Gene Expression Changes.. Blood, 2007, 110, 2121-2121.	0.6	9

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73	Differentiation of Baboon ( <i>Papio anubis</i> ) Induced-Pluripotent Stem Cells into Enucleated Red Blood Cells. <i>Cells</i> , 2019, 8, 1282.	1.8	8
74	HpaI polymorphic site 3' of the human $\beta$ -globin gene is inside a repetitive sequence and cannot be ascertained by polymerase chain reaction. <i>American Journal of Hematology</i> , 1992, 39, 226-227.	2.0	5
75	GenPlay Multi-Genome, a tool to compare and analyze multiple human genomes in a graphical interface. <i>Bioinformatics</i> , 2015, 31, 109-111.	1.8	5
76	Embryonic to Fetal Globin Switch Is Associated with Erythroid Cell Maturation in Primitive Hematopoiesis Derived from hESCs. <i>Blood</i> , 2005, 106, 3625-3625.	0.6	4
77	Therapeutic potential of hematopoietic cells derived from pluripotent stem cells. <i>Expert Opinion on Biological Therapy</i> , 2013, 13, 1099-1102.	1.4	3
78	Clonal origin in normal adults of all blood lineages and circulating hematopoietic stem cells. <i>Experimental Hematology</i> , 2020, 83, 25-34.e2.	0.2	3
79	Hemoglobin F mitigation of sickle cell complications decreases with aging. <i>American Journal of Hematology</i> , 2020, 95, E122-E125.	2.0	3
80	Systematic Targeted Integration to Study Albumin Gene Control Elements. <i>PLoS ONE</i> , 2011, 6, e23234.	1.1	2
81	Inducing Definitive Erythropoiesis From Human Embryonic Stem Cells Through a Novel Intracellular MPL Dimerization Strategy. <i>Blood</i> , 2013, 122, 1172-1172.	0.6	1
82	Positively Charged Alpha-Chains Can Stimulate K-Cl Cotransport in Transgenic Mouse Red Cells. <i>Blood</i> , 2005, 106, 2326-2326.	0.6	1
83	Long-Term Hydroxyurea Use Is Associated with Lower Levels of Hematopoietic Stem and Progenitor Cells in Patients with Sickle Cell Disease. <i>Blood</i> , 2019, 134, 985-985.	0.6	1
84	Embryonic Stem Cells Release Potentially Novel Hematopoietic Factors. <i>Acta Haematologica</i> , 1999, 102, 172-179.	0.7	0
85	Towards gene therapy of sickle cell disease. <i>Expert Opinion on Therapeutic Patents</i> , 2000, 10, 1081-1093.	2.4	0
86	34 + 43 = early human blood lineage. <i>Blood</i> , 2006, 108, 1787-1788.	0.6	0
87	The scientific legacy of Ronald L. Nagel (1936-2016), a true renaissance man. <i>American Journal of Hematology</i> , 2016, 91, 865-866.	2.0	0
88	HbF Levels in Sickle Cell Disease Are Associated with Proportion of Circulating Hematopoietic Stem and Progenitor Cells and CC-Chemokines. <i>Cells</i> , 2020, 9, 2199.	1.8	0
89	A Novel Mechanism of ADAMTS13 Deficiency in Mice. <i>Blood</i> , 2004, 104, 3668-3668.	0.6	0
90	Differentiation of Human Embryonic Stem Cells into Mesenchymal Stem Cells. <i>Blood</i> , 2005, 106, 1389-1389.	0.6	0

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91	Enzymatically-Active ADAMTS13 Variants Are Not Inhibited by Anti-ADAMTS13 Autoantibodies - A Potential Novel Therapeutic Strategy.. Blood, 2005, 106, 57-57.	0.6	0
92	Large-Scale Liquid Culture Production of Erythroid Cells from Human Embryonic Stem Cells.. Blood, 2005, 106, 3631-3631.	0.6	0
93	Hepcidin in Male Double Red Blood Cell Donors - Relationship Between Parameters of Iron Metabolism and Erythropoiesis. Blood, 2011, 118, 2109-2109.	0.6	0
94	Adamts13-Cultured Red Blood Cells to Treat Thrombotic Thrombocytopenic Purpura. Blood, 2019, 134, 89-89.	0.6	0
95	Common Myeloid Progenitors As Biomarkers of Hbf Response to Hydroxyurea in Sickle Cell Disease. Blood, 2019, 134, 4827-4827.	0.6	0