

Eric R Lechman

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

4,160
citations

236833

25
h-index

243529

44
g-index

60
all docs

60
docs citations

60
times ranked

6601
citing authors

#	ARTICLE	IF	CITATIONS
1	Stem cell gene expression programs influence clinical outcome in human leukemia. <i>Nature Medicine</i> , 2011, 17, 1086-1093.	15.2	894
2	Exosomes Derived from IL-10-Treated Dendritic Cells Can Suppress Inflammation and Collagen-Induced Arthritis. <i>Journal of Immunology</i> , 2005, 174, 6440-6448.	0.4	334
3	Direct adenovirus-mediated gene transfer of interleukin 1 and tumor necrosis factor α soluble receptors to rabbit knees with experimental arthritis has local and distal anti-arthritic effects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 4613-4618.	3.3	281
4	Comparison of human cord blood engraftment between immunocompromised mouse strains. <i>Blood</i> , 2010, 116, 193-200.	0.6	248
5	A Distinctive DNA Damage Response in Human Hematopoietic Stem Cells Reveals an Apoptosis-Independent Role for p53 in Self-Renewal. <i>Cell Stem Cell</i> , 2010, 7, 186-197.	5.2	243
6	miR-126 Regulates Distinct Self-Renewal Outcomes in Normal and Malignant Hematopoietic Stem Cells. <i>Cancer Cell</i> , 2016, 29, 214-228.	7.7	216
7	Attenuation of miR-126 Activity Expands HSC In Vivo without Exhaustion. <i>Cell Stem Cell</i> , 2012, 11, 799-811.	5.2	197
8	Quantitative single-cell proteomics as a tool to characterize cellular hierarchies. <i>Nature Communications</i> , 2021, 12, 3341.	5.8	197
9	Exosomes Derived from Genetically Modified DC Expressing FasL Are Anti-inflammatory and Immunosuppressive. <i>Molecular Therapy</i> , 2006, 13, 289-300.	3.7	193
10	Identification of Hematopoietic Stem Cell-Specific miRNAs Enables Gene Therapy of Globoid Cell Leukodystrophy. <i>Science Translational Medicine</i> , 2010, 2, 58ra84.	5.8	180
11	Intra-articular delivery of a herpes simplex virus IL-1Ra gene vector reduces inflammation in a rabbit model of arthritis. <i>Gene Therapy</i> , 1999, 6, 1713-1720.	2.3	116
12	Adenovirus-mediated gene transfer of insulin-like growth factor 1 stimulates proteoglycan synthesis in rabbit joints. <i>Arthritis and Rheumatism</i> , 2000, 43, 2563-2570.	6.7	107
13	Adverse effects of adenovirus-mediated gene transfer of human transforming growth factor beta 1 into rabbit knees. <i>Arthritis Research</i> , 2003, 5, R132.	2.0	105
14	Direct retrovirus-mediated gene transfer to the synovium of the rabbit knee: implications for arthritis gene therapy. <i>Gene Therapy</i> , 1997, 4, 977-982.	2.3	90
15	Identification of a synovial fibroblast-specific protein transduction domain for delivery of apoptotic agents to hyperplastic synovium. <i>Molecular Therapy</i> , 2003, 8, 295-305.	3.7	66
16	Reduced Lymphoid Lineage Priming Promotes Human Hematopoietic Stem Cell Expansion. <i>Cell Stem Cell</i> , 2014, 14, 94-106.	5.2	63
17	Zebrafish microRNA-126 determines hematopoietic cell fate through c-Myb. <i>Leukemia</i> , 2011, 25, 506-514.	3.3	62
18	Element-tagged immunoassay with ICP-MS detection: Evaluation and comparison to conventional immunoassays. <i>Journal of Immunological Methods</i> , 2008, 336, 56-63.	0.6	57

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19	miRNA-126 Orchestrates an Oncogenic Program in B Cell Precursor Acute Lymphoblastic Leukemia. <i>Cancer Cell</i> , 2016, 29, 905-921.	7.7	57
20	Ectopic miR-125a Expression Induces Long-Term Repopulating Stem Cell Capacity in Mouse and Human Hematopoietic Progenitors. <i>Cell Stem Cell</i> , 2016, 19, 383-396.	5.2	52
21	Nicotinamide phosphoribosyltransferase inhibitors selectively induce apoptosis of AML stem cells by disrupting lipid homeostasis. <i>Cell Stem Cell</i> , 2021, 28, 1851-1867.e8.	5.2	43
22	Mapping the cellular origin and early evolution of leukemia in Down syndrome. <i>Science</i> , 2021, 373, .	6.0	42
23	The contralateral effect conferred by intra-articular adenovirus-mediated gene transfer of viral IL-10 is specific to the immunizing antigen. <i>Gene Therapy</i> , 2003, 10, 2029-2035.	2.3	35
24	HyperactiveHimar1Transposase Mediates Transposition in Cell Culture and Enhances Gene ExpressionIn Vivo. <i>Human Gene Therapy</i> , 2006, 17, 1006-1018.	1.4	30
25	Functional profiling of single CRISPR/Cas9-edited human long-term hematopoietic stem cells. <i>Nature Communications</i> , 2019, 10, 4730.	5.8	30
26	A stemness screen reveals C3orf54/INKA1 as a promoter of human leukemia stem cell latency. <i>Blood</i> , 2019, 133, 2198-2211.	0.6	25
27	Ex vivo gene delivery of IL-1Ra and soluble TNF receptor confers a distal synergistic therapeutic effect in antigen-induced arthritis. <i>Molecular Therapy</i> , 2002, 6, 591-600.	3.7	23
28	Human, viral or mutant human IL-10 expressed after local adenovirus-mediated gene transfer are equally effective in ameliorating disease pathology in a rabbit knee model of antigen-induced arthritis. <i>Arthritis Research and Therapy</i> , 2006, 8, R91.	1.6	17
29	Lessons learned from gene transfer approaches. <i>Arthritis Research</i> , 1999, 1, 21.	2.0	14
30	A novel method for detecting the cellular stemness state in normal and leukemic human hematopoietic cells can predict disease outcome and drug sensitivity. <i>Leukemia</i> , 2019, 33, 2061-2077.	3.3	13
31	Global proteomics dataset of miR-126 overexpression in acute myeloid leukemia. <i>Data in Brief</i> , 2016, 9, 57-61.	0.5	12
32	PLAG1 dampens protein synthesis to promote human hematopoietic stem cell self-renewal. <i>Blood</i> , 2022, 140, 992-1008.	0.6	11
33	An <i>ERG</i> Enhancer-Based Reporter Identifies Leukemia Cells with Elevated Leukemogenic Potential Driven by ERG-USP9X Feed-Forward Regulation. <i>Cancer Research</i> , 2019, 79, 3862-3876.	0.4	10
34	Inhibiting the Mitochondrial Sulfhydryl Oxidase Alr Reduces Cox17 and Alters Mitochondrial Cristae Structure Leading to the Differentiation of AML and Stem Cells. <i>Blood</i> , 2017, 130, 881-881.	0.6	7
35	Targeting the Mitochondrial Metallochaperone Cox17 Reduces DNA Methylation and Promotes AML Differentiation through a Copper Dependent Mechanism. <i>Blood</i> , 2018, 132, 1339-1339.	0.6	4
36	Identification of the global miR-130a targetome reveals a role for TBL1XR1 in hematopoietic stem cell self-renewal and t(8;21) AML. <i>Cell Reports</i> , 2022, 38, 110481.	2.9	4

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37	MicroRNA Expression Profiling in Sorted AML Subpopulations: A Possible Role for miR-155/BIC in Stem Cell Maintenance and Leukemogenesis.. Blood, 2005, 106, 466-466.	0.6	3
38	Microrna-130a Regulates Hematopoietic Stem Cell Self-Renewal By Repressing Chromatin Modifiers and Shaping the Accessible Chromatin Landscape. Blood, 2018, 132, 3824-3824.	0.6	2
39	Understanding Pre-Leukemia in Trisomy 21 Human HSC and Modeling Progression Towards Down Syndrome Associated Leukemia Using CRISPR/Cas9 at Single Cell Resolution. Blood, 2019, 134, 2531-2531.	0.6	1
40	Mir-126 Governs Human Leukemia Stem Cell Quiescence and Chemotherapy Resistance. Blood, 2013, 122, 1647-1647.	0.6	1
41	Mir-125a Confers Multi-Lineage Long-Term Repopulating Stem Cell Activity to Human Hematopoietic Committed Progenitors. Blood, 2015, 126, 900-900.	0.6	1
42	Enriched MicroRNA-126 Bioactivity Marks the Primitive Compartment In AML and Regulates LSC Numbers. Blood, 2010, 116, 94-94.	0.6	1
43	A Mechanistic Role For Mir-126, a Hematopoietic Stem Cell Microrna, In Acute Leukemias. Blood, 2013, 122, 886-886.	0.6	1
44	Functional and Molecular Consequences of Trisomy 21 on Human Fetal Hematopoiesis. Experimental Hematology, 2018, 64, S79.	0.2	0
45	ERG ENHANCER-BASED REPORTER IDENTIFIES LEUKEMIA CELLS WITH ELEVATED LEUKEMOGENIC POTENTIAL DRIVEN BY ERG-USP9X FEED-FORWARD REGULATION. Experimental Hematology, 2019, 76, S78.	0.2	0
46	High Levels of MicroRNA-126 Bioactivity Specify the LSC Compartment in AML. Blood, 2008, 112, 510-510.	0.6	0
47	Leukemic and Normal Stem Cell Transcriptional Signatures Determined by Functional Assays Are Predictive of the Overall Survival of AML Patients.. Blood, 2009, 114, 389-389.	0.6	0
48	Identification and Function of Hematopoietic Stem and Progenitor Cell Specific Micrnas.. Blood, 2010, 116, 2631-2631.	0.6	0
49	Hematopoietic Stem Cell Expansion, without Exhaustion or Transformation, by Stable Microrna Antagonism in Vivo. Blood, 2012, 120, 30-30.	0.6	0
50	Enforced Expression Of Mir-125b Promotes the in vivo expansion Of Human Linneg cord Blood Multi-Lymphoid Progenitors and Leukemia Stem Cells. Blood, 2013, 122, 1648-1648.	0.6	0
51	Modeling the Multi-Step Pathogenesis of Acute Myeloid Leukemia of Down Syndrome. Blood, 2014, 124, 3579-3579.	0.6	0
52	Dissecting the cellular of down syndrome TMD and AMKL. Experimental Hematology, 2017, 53, S45.	0.2	0
53	Functional and Molecular Consequences of Trisomy 21 on Human Fetal Hematopoiesis. Blood, 2018, 132, 1317-1317.	0.6	0
54	Modeling the Initiation and Evolution of Down Syndrome Associated Leukemia Using CRISPR/Cas9. Blood, 2018, 132, 3891-3891.	0.6	0

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55	KDM6 Demethylases Integrate DNA Repair Gene Regulation: Loss of KDM6A Sensitizes AML to PARP Inhibition and Potentiates with BCL2 Blockade. Blood, 2021, 138, 25-25.	0.6	0