Borja Saez

List of Publications by Year in descending order

42 papers	3,476 citations	279798 23 h-index	289244 40 g-index
44 all docs	44 docs citations	44 times ranked	7196 citing authors

#	Article	IF	Citations
1	The Lkb1 metabolic sensor maintains haematopoietic stem cell survival. Nature, 2010, 468, 659-663.	27.8	346
2	Diabetes Impairs Hematopoietic Stem Cell Mobilization by Altering Niche Function. Science Translational Medicine, 2011, 3, 104ra101.	12.4	254
3	SIRT1 regulates differentiation of mesenchymal stem cells by deacetylating Î²â€catenin. EMBO Molecular Medicine, 2013, 5, 430-440.	6.9	233
4	AKT/FOXO Signaling Enforces Reversible Differentiation Blockade in Myeloid Leukemias. Cell, 2011, 146, 697-708.	28.9	232
5	Down-Regulation of hsa-miR-10a in Chronic Myeloid Leukemia CD34+ Cells Increases USF2-Mediated Cell Growth. Molecular Cancer Research, 2008, 6, 1830-1840.	3.4	208
6	Functions of Replication Protein A as a Sensor of R Loops and a Regulator of RNaseH1. Molecular Cell, 2017, 65, 832-847.e4.	9.7	205
7	Injury Induces Direct Lineage Segregation of Functionally Distinct Airway Basal Stem/Progenitor Cell Subpopulations. Cell Stem Cell, 2015, 16, 184-197.	11.1	182
8	Non-genotoxic conditioning for hematopoietic stem cell transplantation using a hematopoietic-cell-specific internalizing immunotoxin. Nature Biotechnology, 2016, 34, 738-745.	17.5	176
9	Parent stem cells can serve as niches for their daughter cells. Nature, 2015, 523, 597-601.	27.8	169
10	Myocardial Infarction Activates CCR2+ Hematopoietic Stem and Progenitor Cells. Cell Stem Cell, 2015, 16, 477-487.	11.1	168
11	Inhibition of bone morphogenetic protein signaling attenuates anemia associated with inflammation. Blood, 2011, 117, 4915-4923.	1.4	161
12	Epigenetic Memory Underlies Cell-Autonomous Heterogeneous Behavior of Hematopoietic Stem Cells. Cell, 2016, 167, 1310-1322.e17.	28.9	153
13	Selective hematopoietic stem cell ablation using CD117-antibody-drug-conjugates enables safe and effective transplantation with immunity preservation. Nature Communications, 2019, 10, 617.	12.8	130
14	Specific bone cells produce DLL4 to generate thymus-seeding progenitors from bone marrow. Journal of Experimental Medicine, 2015, 212, 759-774.	8.5	122
15	Sox4 Is a Key Oncogenic Target in C/EBPÎ± Mutant Acute Myeloid Leukemia. Cancer Cell, 2013, 24, 575-588.	16.8	112
16	Mutant U2AF1-expressing cells are sensitive to pharmacological modulation of the spliceosome. Nature Communications, 2017, 8, 14060.	12.8	99
17	Splicing factor gene mutations in hematologic malignancies. Blood, 2017, 129, 1260-1269.	1.4	99
18	Aldehyde dehydrogenase 3a2 protects AML cells from oxidative death and the synthetic lethality of ferroptosis inducers. Blood, 2020, 136, 1303-1316.	1.4	68

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19	Tle1 tumor suppressor negatively regulates inflammation in vivo and modulates NF-Î²B inflammatory pathway. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1871-1876.	7.1	62
20	Inhibiting stromal cell heparan sulfate synthesis improves stem cell mobilization and enables engraftment without cytotoxic conditioning. Blood, 2014, 124, 2937-2947.	1.4	39
21	Amplification ofIGH/MYC fusion in clinically aggressiveIGH/BCL2-positive germinal center B-cell lymphomas. Genes Chromosomes and Cancer, 2005, 43, 414-423.	2.8	37
22	Multiple myeloma primary cells show a highly rearranged unbalanced genome with amplifications and homozygous deletions irrespective of the presence of immunoglobulin-related chromosome translocations. Haematologica, 2007, 92, 795-802.	3.5	28
23	D-Cyclins Repress Apoptosis in Hematopoietic Cells by Controlling Death Receptor Fas and Its Ligand FasL. Developmental Cell, 2014, 30, 255-267.	7.0	27
24	Notch3 Deficiency Attenuates Pulmonary Fibrosis and Impedes Lung-Function Decline. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 465-476.	2.9	21
25	tiRNA signaling via stress-regulated vesicle transfer in the hematopoietic niche. Cell Stem Cell, 2021, 28, 2090-2103.e9.	11.1	20
26	Identification of recurrent chromosomal breakpoints in multiple myeloma with complex karyotypes by combined G-banding, spectral karyotyping, and fluorescence in situ hybridization analyses. Cancer Genetics and Cytogenetics, 2006, 169, 143-149.	1.0	17
27	Characterization of freshly isolated bone marrow mesenchymal stromal cells from healthy donors and patients with multiple myeloma: transcriptional modulation of the microenvironment. Haematologica, 2020, 105, e470-473.	3.5	17
28	Role of the Extracellular Matrix in Stem Cell Maintenance. Current Stem Cell Reports, 2019, 5, 1-10.	1.6	16
29	Chromosomal abnormalities clustering in multiple myeloma reveals cytogenetic subgroups with nonrandom acquisition of chromosomal changes. Leukemia, 2004, 18, 654-657.	7.2	14
30	Differentiation Induction In Acute Myeloid Leukemia Using Site-Specific DNA-Targeting. Blood, 2013, 122, 3940-3940.	1.4	12
31	NUP98 is fused to HOXA9 in a variant complex t(7;11;13;17) in a patient with AML-M2. Cancer Genetics and Cytogenetics, 2005, 157, 151-156.	1.0	7
32	Preclinical Activity of Splicing Modulators in U2AF1 Mutant MDS/AML. Blood, 2015, 126, 1653-1653.	1.4	6
33	Multicolor interphase cytogenetics for the study of plasma cell dyscrasias. Oncology Reports, 2007, 18, 1099-106.	2.6	6
34	Molecular and Cellular Mechanisms of Delayed Fracture Healing in Mmp10 (Stromelysin 2) Knockout Mice. Journal of Bone and Mineral Research, 2021, 36, 2203-2213.	2.8	5
35	The bone marrow niche regulates redox and energy balance in MLL::AF9 leukemia stem cells. Leukemia, 2022, 36, 1969-1979.	7.2	5
36	SIRT1 regulates differentiation of mesenchymal stem cells by deacetylating Î²â€catenin. EMBO Molecular Medicine, 2013, 5, 482-482.	6.9	4

#	Article	IF	Citations
37	Harnessing the Biology of Stem Cells' Niche. , 2017, , 15-31.		4
38	Simultaneous translocations of FGFR3/MMSET and CCND1 into two different IGH alleles in multiple myeloma: lack of concurrent activation of both proto-oncogenes. Cancer Genetics and Cytogenetics, 2007, 175, 65.e1-65.e5.	1.0	3
39	Engineering a Humanised Niche to Support Human Haematopoiesis in Mice: Novel Opportunities in Modelling Cancer. Cancers, 2020, 12, 2205.	3.7	3
40	Interphase FISH for the detection of breakpoints in IG loci and chromosomal changes with adverse prognostic impact in multiple myeloma with normal karyotypes. Cancer Genetics and Cytogenetics, 2006, 167, 183-185.	1.0	2
41	Deconvolution of the hematopoietic stem cell microenvironment reveals a high degree of specialization and conservation. IScience, 2022, 25, 104225.	4.1	2
42	Human and Murine Î²-Defensin-Derived Peptides Induce Rapid Mobilization Of Murine Hematopoietic Stem and Progenitor Cells Via Activation Of CXCR4 Signaling and CXCL12 Release. Blood, 2013, 122, 890-890.	1.4	0