Guillermo Barreto

List of Publications by Year
in descending order

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48 papers	3,437 citations	257450 24 h-index	233421 45 g-index
56 all docs	56 docs citations	56 times ranked	5975 citing authors

#	Article	IF	Citations
1	Lymphoid-specific helicase in epigenetics, DNA repair and cancer. British Journal of Cancer, 2022, 126, 165-173.	6.4	15
2	Altered fibrin clot structure and dysregulated fibrinolysis contribute toÂthrombosis risk in severe COVID-19. Blood Advances, 2022, 6, 1074-1087.	5.2	35
3	Epigenetic Regulation in Exposome-Induced Tumorigenesis: Emerging Roles of ncRNAs. Biomolecules, 2022, 12, 513.	4.0	4
4	Impact of the Exposome on the Epigenome in Inflammatory Bowel Disease Patients and Animal Models. International Journal of Molecular Sciences, 2022, 23, 7611.	4.1	13
5	Positioning of nucleosomes containing Î³-H2AX precedes active DNA demethylation and transcription initiation. Nature Communications, 2021, 12, 1072.	12.8	30
6	Sex-specific differences in plasma levels of FXII, HK, and FXIIa-C1-esterase inhibitor complexes in community-acquired pneumonia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L764-L774.	2.9	2
7	Loss of LRP1 promotes acquisition of contractile-myofibroblast phenotype and release of active TGF-Î²1 from ECM stores. Matrix Biology, 2020, 88, 69-88.	3.6	32
8	Metastasis-Associated Protein 2 Represses NF-ÎºB to Reduce Lung Tumor Growth and Inflammation. Cancer Research, 2020, 80, 4199-4211.	0.9	9
9	Non-coding RNAs and nuclear architecture during epithelial-mesenchymal transition in lung cancer and idiopathic pulmonary fibrosis. Cellular Signalling, 2020, 70, 109593.	3.6	22
10	Recognition of breathprints of lung cancer and chronic obstructive pulmonary disease using the Aeonose^{Â®} electronic nose. Journal of Breath Research, 2020, 14, 046004.	3.0	17
11	Failure to Down-Regulate miR-154 Expression in Early Postnatal Mouse Lung Epithelium Suppresses Alveologenesis, with Changes in Tgf-Î² Signaling Similar to those Induced by Exposure to Hyperoxia. Cells, 2020, 9, 859.	4.1	7
12	Exploring the Ability of Electronic Nose Technology to Recognize Interstitial Lung Diseases (ILD) by Non-Invasive Breath Screening of Exhaled Volatile Compounds (VOC): A Pilot Study from the European IPF Registry (eurIPFreg) and Biobank. Journal of Clinical Medicine, 2019, 8, 1698.	2.4	20
13	Inactivation of nuclear histone deacetylases by EP300 disrupts the MiCEE complex in idiopathic pulmonary fibrosis. Nature Communications, 2019, 10, 2229.	12.8	53
14	Lamin B1 loss promotes lung cancer development and metastasis by epigenetic derepression of RET. Journal of Experimental Medicine, 2019, 216, 1377-1395.	8.5	45
15	Pioneering function of Isl1 in the epigenetic control of cardiomyocyte cell fate. Cell Research, 2019, 29, 486-501.	12.0	72
16	A critical role for miR-142 in alveolar epithelial lineage formation in mouse lung development. Cellular and Molecular Life Sciences, 2019, 76, 2817-2832.	5.4	6
17	Functional interactions between scaffold proteins, noncoding RNAs, and genome loci induce liquidâ€liquid phase separation as organizing principle for 3â€dimensional nuclear architecture: implications in cancer. FASEB Journal, 2019, 33, 5814-5822.	0.5	13
18	Pioneer Factors and Architectural Proteins Mediating Embryonic Expression Signatures in Cancer. Trends in Molecular Medicine, 2019, 25, 287-302.	6.7	24

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19	Impact of Fgf10 deficiency on pulmonary vasculature formation in a mouse model of bronchopulmonary dysplasia. Human Molecular Genetics, 2019, 28, 1429-1444.	2.9	28
20	Non-invasive approaches for lung cancer diagnosis. Indian Journal of Thoracic and Cardiovascular Surgery, 2018, 34, 11-19.	0.6	2
21	MiCEE is a ncRNA-protein complex that mediates epigenetic silencing and nucleolar organization. Nature Genetics, 2018, 50, 990-1001.	21.4	52
22	Fgf10 deficiency is causative for lethality in a mouse model of bronchopulmonary dysplasia. Journal of Pathology, 2017, 241, 91-103.	4.5	54
23	HMGA2 mediated epigenetic regulation of Gata6 controls epithelial WNT signaling during lung development. , 2017, , .		1
24	Non-invasive lung cancer diagnosis by detection of GATA6 and NKX2-1 isoforms in exhaled breath condensate. , 2017, , .		0
25	Nuclear miRNA/exosome-mediated transcriptional silencing within the context of TGFB1 signaling and Idiopathic Pulmonary Fibrosis. , 2017, , .		0
26	Nonâ€invasive lung cancer diagnosis by detection of <scp>GATA</scp>6 and <scp>NKX</scp>2â€1 isoforms in exhaled breath condensate. EMBO Molecular Medicine, 2016, 8, 1380-1389.	6.9	29
27	Direct inhibition of oncogenic KRAS by Bacillus pumilus ribonuclease (binase). Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1559-1567.	4.1	32
28	Generation and Validation of miR-142 Knock Out Mice. PLoS ONE, 2015, 10, e0136913.	2.5	26
29	Epigenetics in lung cancer diagnosis and therapy. Cancer and Metastasis Reviews, 2015, 34, 229-241.	5.9	139
30	High mobility group protein-mediated transcription requires DNA damage marker Î³-H2AX. Cell Research, 2015, 25, 837-850.	12.0	70
31	Validation of Tuba1a as Appropriate Internal Control for Normalization of Gene Expression Analysis during Mouse Lung Development. International Journal of Molecular Sciences, 2015, 16, 4492-4511.	4.1	26
32	Hmga2is required for canonical WNT signaling during lung development. BMC Biology, 2014, 12, 21.	3.8	55
33	RNase1 prevents the damaging interplay between extracellular RNA and tumour necrosis factor-Î± in cardiac ischaemia/reperfusion injury. Thrombosis and Haemostasis, 2014, 112, 1110-1119.	3.4	79
34	Cyclospora cayetanensis: This Emerging Protozoan Pathogen in Mexico. American Journal of Tropical Medicine and Hygiene, 2014, 90, 351-353.	1.4	14
35	miR-142-3pbalances proliferation and differentiation of mesenchymal cells during lung development. Development (Cambridge), 2014, 141, 1272-1281.	2.5	68
36	HMGA proteins as modulators of chromatin structure during transcriptional activation. Frontiers in Cell and Developmental Biology, 2014, 2, 5.	3.7	109

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37	Quantitative Proteome Analysis of Alveolar Type-II Cells Reveals a Connection of Integrin Receptor Subunits Beta 2/6 and WNT Signaling. Journal of Proteome Research, 2013, 12, 5598-5608.	3.7	10
38	Transient Inhibition of FGFR2b-Ligands Signaling Leads to Irreversible Loss of Cellular Î²-Catenin Organization and Signaling in AER during Mouse Limb Development. PLoS ONE, 2013, 8, e76248.	2.5	49
39	Binase penetration into alveolar epithelial cells does not induce cell death. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2012, 6, 317-321.	0.4	2
40	Neutrophil Extracellular Traps Directly Induce Epithelial and Endothelial Cell Death: A Predominant Role of Histones. PLoS ONE, 2012, 7, e32366.	2.5	1,035
41	Gemcitabine Functions Epigenetically by Inhibiting Repair Mediated DNA Demethylation. PLoS ONE, 2010, 5, e14060.	2.5	46
42	Gadd45a promotes epigenetic gene activation by repair-mediated DNA demethylation. Nature, 2007, 445, 671-675.	27.8	689
43	Nuclear Reprogramming of Human Somatic Cells by Xenopus Egg Extract Requires BRG1. Current Biology, 2004, 14, 1475-1480.	3.9	186
44	The germ cell nuclear factor is required for retinoic acid signaling during Xenopus development. Mechanisms of Development, 2003, 120, 415-428.	1.7	21
45	The function of Xenopus germ cell nuclear factor (xGCNF) in morphogenetic movements during neurulation. Developmental Biology, 2003, 257, 329-342.	2.0	18
46	Oocytes and embryos of Xenopus laevis express two different isoforms of germ cell nuclear factor (GCNF, NR6A1). Mechanisms of Development, 2002, 118, 261-264.	1.7	3
47	Interaction of S-adenosylhomocysteine hydrolase of Xenopus laevis with mRNA(guanine-7-)methyltransferase: implication on its nuclear compartmentalisation and on cap methylation of hnRNA. Biochimica Et Biophysica Acta - Molecular Cell Research, 2002, 1590, 93-102.	4.1	27
48	Transcriptional repression by the insulator protein CTCF involves histone deacetylases. Nucleic Acids Research, 2000, 28, 1707-1713.	14.5	132