

Raul Torres-Ruiz

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,245
citations

279798
23
h-index

233421
45
g-index

62
all docs

62
docs citations

62
times ranked

4166
citing authors

#	ARTICLE	IF	CITATIONS
1	Nodal/Activin Signaling Drives Self-Renewal and Tumorigenicity of Pancreatic Cancer Stem Cells and Provides a Target for Combined Drug Therapy. <i>Cell Stem Cell</i> , 2011, 9, 433-446.	11.1	366
2	Engineering human tumour-associated chromosomal translocations with the RNA-guided CRISPR-Cas9 system. <i>Nature Communications</i> , 2014, 5, 3964.	12.8	205
3	Human mesenchymal stem cell-replicative senescence and oxidative stress are closely linked to aneuploidy. <i>Cell Death and Disease</i> , 2013, 4, e691-e691.	6.3	192
4	Immune Profiling and Quantitative Analysis Decipher the Clinical Role of Immune-Checkpoint Expression in the Tumor Immune Microenvironment of DLBCL. <i>Cancer Immunology Research</i> , 2019, 7, 644-657.	3.4	106
5	A faecal microbiota signature with high specificity for pancreatic cancer. <i>Gut</i> , 2022, 71, 1359-1372.	12.1	104
6	Melanoma-derived small extracellular vesicles induce lymphangiogenesis and metastasis through an NGFR-dependent mechanism. <i>Nature Cancer</i> , 2021, 2, 1387-1405.	13.2	83
7	CRISPR/Cas9 for Cancer Therapy: Hopes and Challenges. <i>Biomedicines</i> , 2018, 6, 105.	3.2	76
8	Clinically Relevant Correction of Recessive Dystrophic Epidermolysis Bullosa by Dual sgRNA CRISPR/Cas9-Mediated Gene Editing. <i>Molecular Therapy</i> , 2019, 27, 986-998.	8.2	76
9	Gain-of-function mutations in DNMT3A in patients with paraganglioma. <i>Genetics in Medicine</i> , 2018, 20, 1644-1651.	2.4	73
10	NHEJ-Mediated Repair of CRISPR-Cas9-Induced DNA Breaks Efficiently Corrects Mutations in HSPCs from Patients with Fanconi Anemia. <i>Cell Stem Cell</i> , 2019, 25, 607-621.e7.	11.1	64
11	In vivo CRISPR/Cas9 targeting of fusion oncogenes for selective elimination of cancer cells. <i>Nature Communications</i> , 2020, 11, 5060.	12.8	60
12	Efficient Recreation of t(11;22) EWSR1-FLI1+ in Human Stem Cells Using CRISPR/Cas9. <i>Stem Cell Reports</i> , 2017, 8, 1408-1420.	4.8	52
13	Somatic genome editing with the RCAS-TVA-CRISPR-Cas9 system for precision tumor modeling. <i>Nature Communications</i> , 2018, 9, 1466.	12.8	52
14	CRISPR-Cas9 technology: applications and human disease modelling. <i>Briefings in Functional Genomics</i> , 2017, 16, 4-12.	2.7	48
15	Physical Proximity of Sister Chromatids Promotes Top2-Dependent Intertwining. <i>Molecular Cell</i> , 2016, 64, 134-147.	9.7	47
16	Development Refractoriness of MLL-Rearranged Human B Cell Acute Leukemias to Reprogramming into Pluripotency. <i>Stem Cell Reports</i> , 2016, 7, 602-618.	4.8	38
17	mTORC1 Inactivation Promotes Colitis-Induced Colorectal Cancer but Protects from APC Loss-Dependent Tumorigenesis. <i>Cell Metabolism</i> , 2018, 27, 118-135.e8.	16.2	38
18	NG2 antigen is a therapeutic target for MLL-rearranged B-cell acute lymphoblastic leukemia. <i>Leukemia</i> , 2019, 33, 1557-1569.	7.2	30

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19	Targeting OGG1 arrests cancer cell proliferation by inducing replication stress. <i>Nucleic Acids Research</i> , 2020, 48, 12234-12251.	14.5	29
20	The molecular pathogenesis of the NUP98-HOXA9 fusion protein in acute myeloid leukemia. <i>Leukemia</i> , 2017, 31, 2000-2005.	7.2	28
21	Aberrant integration of Hepatitis B virus DNA promotes major restructuring of human hepatocellular carcinoma genome architecture. <i>Nature Communications</i> , 2021, 12, 6910.	12.8	27
22	Hematologic β -Tubulin VI Isoform Exhibits Genetic Variability That Influences Paclitaxel Toxicity. <i>Cancer Research</i> , 2012, 72, 4744-4752.	0.9	26
23	CRISPR-Cas9: A Revolutionary Tool for Cancer Modelling. <i>International Journal of Molecular Sciences</i> , 2015, 16, 22151-22168.	4.1	26
24	Truncated RUNX1 protein generated by a novel t(1;21)(p32;q22) chromosomal translocation impairs the proliferation and differentiation of human hematopoietic progenitors. <i>Oncogene</i> , 2016, 35, 125-134.	5.9	26
25	Generation and characterization of a human iPSC cell line expressing inducible Cas9 in the β -safe harbor AAVS1 locus. <i>Stem Cell Research</i> , 2017, 21, 137-140.	0.7	26
26	Epigenetic reprogramming of primary pancreatic cancer cells counteracts their in vivo tumorigenicity. <i>Oncogene</i> , 2019, 38, 6226-6239.	5.9	25
27	Gene editing of PKLR gene in human hematopoietic progenitors through 5' and 3' UTR modified TALEN mRNA. <i>PLoS ONE</i> , 2019, 14, e0223775.	2.5	23
28	A Chemokine Targets the Nucleus: Cxcl12-Gamma Isoform Localizes to the Nucleolus in Adult Mouse Heart. <i>PLoS ONE</i> , 2009, 4, e7570.	2.5	21
29	Small molecule inhibitor of OGG1 blocks oxidative DNA damage repair at telomeres and potentiates methotrexate anticancer effects. <i>Scientific Reports</i> , 2021, 11, 3490.	3.3	21
30	A novel and efficient tandem CD19- and CD22-directed CAR for B cell ALL. <i>Molecular Therapy</i> , 2022, 30, 550-563.	8.2	21
31	An integration-defective lentivirus-based resource for site-specific targeting of an edited safe-harbour locus in the human genome. <i>Gene Therapy</i> , 2014, 21, 343-352.	4.5	18
32	Non-Integrative Lentivirus Drives High-Frequency cre-Mediated Cassette Exchange in Human Cells. <i>PLoS ONE</i> , 2011, 6, e19794.	2.5	17
33	CRISPR/Cas9 Technology: Applications and Human Disease Modeling. <i>Progress in Molecular Biology and Translational Science</i> , 2017, 152, 23-48.	1.7	17
34	Narrowing the Genetic Causes of Language Dysfunction in the 1q21.1 Microduplication Syndrome. <i>Frontiers in Pediatrics</i> , 2018, 6, 163.	1.9	16
35	RIAM-VASP Module Relays Integrin Complement Receptors in Outside-In Signaling Driving Particle Engulfment. <i>Cells</i> , 2020, 9, 1166.	4.1	16
36	Enhanced hemato-endothelial specification during human embryonic differentiation through developmental cooperation between <i>AF4-MLL</i> and <i>MLL-AF4</i> fusions. <i>Haematologica</i> , 2019, 104, 1189-1201.	3.5	15

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37	Integrative methylome-transcriptome analysis unravels cancer cell vulnerabilities in infant MLL-rearranged B cell acute lymphoblastic leukemia. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	14
38	Analysis of Telomere Maintenance Related Genes Reveals NOP10 as a New Metastatic-Risk Marker in Pheochromocytoma/Paraganglioma. <i>Cancers</i> , 2021, 13, 4758.	3.7	14
39	Robustness of Catalytically Dead Cas9 Activators in Human Pluripotent and Mesenchymal Stem Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 20, 196-204.	5.1	12
40	The value of lncRNA FENDRR and FOXF1 as a prognostic factor for survival of lung adenocarcinoma. <i>Oncotarget</i> , 2020, 11, 1172-1185.	1.8	12
41	A clinically compatible drug-screening platform based on organotypic cultures identifies vulnerabilities to prevent and treat brain metastasis. <i>EMBO Molecular Medicine</i> , 2022, 14, e14552.	6.9	12
42	PD-L1 expression in peripheral T-cell lymphomas is not related to either <i>PD-L1</i> gene amplification or rearrangements. <i>Leukemia and Lymphoma</i> , 2021, 62, 1648-1656.	1.3	9
43	CRISPR Approaches for the Diagnosis of Human Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1757.	4.1	9
44	Alterations in SLC4A2, SLC26A7 and SLC26A9 Drive Acid-Base Imbalance in Gastric Neuroendocrine Tumors and Uncover a Novel Mechanism for a Co-Occurring Polyautoimmune Scenario. <i>Cells</i> , 2021, 10, 3500.	4.1	9
45	The “Never-Ending” Mouse Models for MLL-Rearranged Acute Leukemia Are Still Teaching Us. <i>HemaSphere</i> , 2018, 2, e57.	2.7	8
46	The value of lncRNA and as a prognostic factor for survival of lung adenocarcinoma. <i>Oncotarget</i> , 2020, 11, 1172-1185.	1.8	8
47	Functional characterization of two enhancers located downstream FOXP2. <i>BMC Medical Genetics</i> , 2019, 20, 65.	2.1	7
48	Fast Diffusion Sustains Plasma Membrane Accumulation of Phosphatase of Regenerating Liver-1. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 585842.	3.7	4
49	In Vitro and In Vivo Genetic Disease Modeling via NHEJ-Precise Deletions Using CRISPR-Cas9. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 19, 426-437.	4.1	4
50	OGG1 Inhibition Triggers Synthetic Lethality and Enhances The Effect of PARP Inhibitor Olaparib in BRCA1-Deficient TNBC Cells. <i>Frontiers in Oncology</i> , 2022, 12, .	2.8	4
51	Activation of the Unfolded Protein Response (UPR) Is Associated with Cholangiocellular Injury, Fibrosis and Carcinogenesis in an Experimental Model of Fibropolycystic Liver Disease. <i>Cancers</i> , 2022, 14, 78.	3.7	3
52	Detection of chromosome instability by interphase FISH in mouse and human tissues. <i>STAR Protocols</i> , 2021, 2, 100631.	1.2	2
53	Functional Characterization of a Dual Enhancer/Promoter Regulatory Element Leading Human CD69 Expression. <i>Frontiers in Genetics</i> , 2020, 11, 552949.	2.3	1
54	Modeling mixed-lineage-rearranged leukemia initiation in CD34 ⁺ cells: a “CRISPR” solution. <i>Haematologica</i> , 2017, 102, 1467-1468.	3.5	1

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55	Nodal/Activin Signaling Drives Self-Renewal and Tumorigenicity of Pancreatic Cancer Stem Cells and Provides a Target for Combined Drug Therapy. Cell Stem Cell, 2012, 10, 104.	11.1	0
56	The Use of Innovative Tools to Reproduce Human Cancer Translocations: Lessons from the CRISPR/Cas System. Current Biotechnology, 2015, 3, 273-278.	0.4	0
57	Modeling Cancer Using CRISPR-Cas9 Technology. , 2017, , 905-924.		0
58	NHEJ-Mediated Gene Editing, a Versatile Approach to Correct a Variety of Fanconi Anemia Genes in HSCs. Blood, 2019, 134, 4639-4639.	1.4	0