Bruno Sainz

List of Publications by Citations

83 papers	4,188 citations	35 h-index	64 g-index
93 ext. papers	5,056 ext. citations	9.2 avg, IF	5.48 L-index

#	Paper	IF	Citations
83	MYC/PGC-1Balance Determines the Metabolic Phenotype and Plasticity of Pancreatic Cancer Stem Cells. *Cell Metabolism*, **2015**, 22, 590-605	24.6	423
82	Identification of the Niemann-Pick C1-like 1 cholesterol absorption receptor as a new hepatitis C virus entry factor. *Nature Medicine*, **2012**, 18, 281-5	50.5	353
81	Mutant KRAS-driven cancers depend on PTPN11/SHP2 phosphatase. *Nature Medicine*, **2018**, 24, 954-960	50.5	178
80	Interferon-beta and interferon-gamma synergistically inhibit the replication of severe acute respiratory syndrome-associated coronavirus (SARS-CoV). *Virology*, **2004**, 329, 11-7	3.6	137
79	Intracellular autofluorescence: a biomarker for epithelial cancer stem cells. *Nature Methods*, **2014**, 11, 1161-9	21.6	131
78	GATA6 regulates EMT and tumour dissemination, and is a marker of response to adjuvant chemotherapy in pancreatic cancer. *Gut*, **2017**, 66, 1665-1676	19.2	125
77	Alpha/Beta interferon and gamma interferon synergize to inhibit the replication of herpes simplex virus type 1. *Journal of Virology*, **2002**, 76, 11541-50	6.6	122
76	Inhibition of CD47 Effectively Targets Pancreatic Cancer Stem Cells via Dual Mechanisms. *Clinical Cancer Research*, **2015**, 21, 2325-37	12.9	121
75	Human pluripotent stem cell-derived acinar/ductal organoids generate human pancreas upon orthotopic transplantation and allow disease modelling. *Gut*, **2017**, 66, 473-486	19.2	120
74	Effects of once versus twice-daily parathyroid hormone 1-34 therapy in children with hypoparathyroidism. *Journal of Clinical Endocrinology and Metabolism*, **2008**, 93, 3389-95	5.6	114
73	The immediate-early protein, ICP0, is essential for the resistance of herpes simplex virus to interferon-alpha/beta. *Virology*, **2002**, 293, 295-304	3.6	107
72	Chloroquine targets pancreatic cancer stem cells via inhibition of CXCR4 and hedgehog signaling. *Molecular Cancer Therapeutics*, **2014**, 13, 1758-71	6.1	106
71	Three-dimensional Huh7 cell culture system for the study of Hepatitis C virus infection. *Virology Journal*, **2009**, 6, 103	6.1	102
70	The miR-17-92 cluster counteracts quiescence and chemoresistance in a distinct subpopulation of pancreatic cancer stem cells. *Gut*, **2015**, 64, 1936-48	19.2	100
69	Identification and characterization of the putative fusion peptide of the severe acute respiratory syndrome-associated coronavirus spike protein. *Journal of Virology*, **2005**, 79, 7195-206	6.6	100
68	ISG15 is a critical microenvironmental factor for pancreatic cancer stem cells. *Cancer Research*, **2014** , 74, 7309-20	10.1	97
67	Microenvironmental hCAP-18/LL-37 promotes pancreatic ductal adenocarcinoma by activating its cancer stem cell compartment. *Gut*, **2015**, 64, 1921-35	19.2	88

66	Saa3 is a key mediator of the protumorigenic properties of cancer-associated fibroblasts in pancreatic tumors. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E1147-E1156	11.5	84
65	Production of infectious hepatitis C virus by well-differentiated, growth-arrested human hepatoma-derived cells. *Journal of Virology*, **2006**, 80, 10253-7	6.6	81
64	DNMT1 Inhibition Reprograms Pancreatic Cancer Stem Cells via Upregulation of the miR-17-92 Cluster. *Cancer Research*, **2016**, 76, 4546-58	10.1	74
63	Characterization of increased drug metabolism activity in dimethyl sulfoxide (DMSO)-treated Huh7 hepatoma cells. *Xenobiotica*, **2009**, 39, 205-17	2	73
62	Nicotine promotes initiation and progression of KRAS-induced pancreatic cancer via Gata6-dependent dedifferentiation of acinar cells in mice. *Gastroenterology*, **2014**, 147, 1119-33.e4	13.3	71
61	Cancer Stem Cells and Macrophages: Implications in Tumor Biology and Therapeutic Strategies. *Mediators of Inflammation*, **2016**, 2016, 9012369	4.3	68
60	The Ever-Evolving Concept of the Cancer Stem Cell in Pancreatic Cancer. *Cancers*, **2018**, 10,	6.6	62
59	Inhibition of severe acute respiratory syndrome-associated coronavirus (SARS-CoV) infectivity by peptides analogous to the viral spike protein. *Virus Research*, **2006**, 120, 146-55	6.4	59
58	Synergistic inhibition of human cytomegalovirus replication by interferon-alpha/beta and interferon-gamma. *Virology Journal*, **2005**, 2, 14	6.1	57
57	EMT and Stemness-Key Players in Pancreatic Cancer Stem Cells. *Cancers*, **2019**, 11,	6.6	56
56	Stress-associated immunomodulation and herpes simplex virus infections. *Medical Hypotheses*, **2001**, 56, 348-56	3.8	56
55	Modeling subgenomic hepatitis C virus RNA kinetics during treatment with alpha interferon. *Journal of Virology*, **2009**, 83, 6383-90	6.6	49
54	The aromatic domain of the coronavirus class I viral fusion protein induces membrane permeabilization: putative role during viral entry. *Biochemistry*, **2005**, 44, 947-58	3.2	48
53	Hepatitis C virus infection in phenotypically distinct Huh7 cell lines. *PLoS ONE*, **2009**, 4, e6561	3.7	47
52	Pancreatic cancer stem cells: A state or an entity?. *Seminars in Cancer Biology*, **2018**, 53, 223-231	12.7	45
51	A current perspective on cancer immune therapy: step-by-step approach to constructing the magic bullet. *Clinical and Translational Medicine*, **2017**, 6, 3	5.7	44
50	Complete Regression of Advanced Pancreatic Ductal Adenocarcinomas upon Combined Inhibition of EGFR and C-RAF. *Cancer Cell*, **2019**, 35, 573-587.e6	24.3	37
49	Pancreatic cancer-derived organoids - a disease modeling tool to predict drug response. *United European Gastroenterology Journal*, **2020**, 8, 594-606	5.3	35

48	Standing out from the crowd: cancer stem cells in hepatocellular carcinoma. *Cancer Cell*, **2013**, 23, 431-3	24.3	33
47	Development of a cell-based hepatitis C virus infection fluorescent resonance energy transfer assay for high-throughput antiviral compound screening. *Antimicrobial Agents and Chemotherapy*, **2009**, 53, 4311-9	5.9	32
46	Tumor-associated macrophage-secreted 14-3-3ζ signals via AXL to promote pancreatic cancer chemoresistance. *Oncogene*, **2019**, 38, 5469-5485	9.2	31
45	Multimodal Treatment Eliminates Cancer Stem Cells and Leads to Long-Term Survival in Primary Human Pancreatic Cancer Tissue Xenografts. *PLoS ONE*, **2013**, 8, e66371	3.7	31
44	Determining the involvement and therapeutic implications of host cellular factors in hepatitis C virus cell-to-cell spread. *Journal of Virology*, **2014**, 88, 5050-61	6.6	27
43	Exploiting oxidative phosphorylation to promote the stem and immunoevasive properties of pancreatic cancer stem cells. *Nature Communications*, **2020**, 11, 5265	17.4	26
42	Levels of the Autophagy-Related 5 Protein Affect Progression and Metastasis of Pancreatic Tumors in Mice. *Gastroenterology*, **2019**, 156, 203-217.e20	13.3	26
41	Synergistic targeting and resistance to PARP inhibition in DNA damage repair-deficient pancreatic cancer. *Gut*, **2021**, 70, 743-760	19.2	26
40	ISG15 and ISGylation is required for pancreatic cancer stem cell mitophagy and metabolic plasticity. *Nature Communications*, **2020**, 11, 2682	17.4	25
39	Developmental regulation of hepatitis B virus biosynthesis by hepatocyte nuclear factor 4alpha. *PLoS ONE*, **2009**, 4, e5489	3.7	24
38	Pathogenic variants in glutamyl-tRNA amidotransferase subunits cause a lethal mitochondrial cardiomyopathy disorder. *Nature Communications*, **2018**, 9, 4065	17.4	24
37	Effect of famciclovir on herpes simplex virus type 1 corneal disease and establishment of latency in rabbits. *Antimicrobial Agents and Chemotherapy*, **2001**, 45, 2044-53	5.9	23
36	The Cancer Stem Cell in Hepatocellular Carcinoma. *Cancers*, **2020**, 12,	6.6	20
35	Current perspectives on the crosstalk between lung cancer stem cells and cancer-associated fibroblasts. *Critical Reviews in Oncology/Hematology*, **2018**, 125, 102-110	7	17
34	The ever-changing landscape of pancreatic cancer stem cells. *Pancreatology*, **2016**, 16, 489-96	3.8	17
33	The Interactions Between Cancer Stem Cells and the Innate Interferon Signaling Pathway. *Frontiers in Immunology*, **2020**, 11, 526	8.4	13
32	Permissiveness of human hepatoma cell lines for HCV infection. *Virology Journal*, **2012**, 9, 30	6.1	13
31	Potential treatment options and future research to increase hepatitis C virus treatment response rate. *Hepatic Medicine: Evidence and Research*, **2010**, 2010, 125-145	3.4	13

30	Modeling Cancer Using Zebrafish Xenografts: Drawbacks for Mimicking the Human Microenvironment. *Cells*, **2020**, 9,	7.9	13
29	Differential induction of apoptosis, interferon signaling, and phagocytosis in macrophages infected with a panel of attenuated and nonattenuated poxviruses. *Journal of Virology*, **2014**, 88, 5511-23	6.6	12
28	Glutathione metabolism is essential for self-renewal and chemoresistance of pancreatic cancer stem cells. *World Journal of Stem Cells*, **2020**, 12, 1410-1428	5.6	12
27	A Label Free Disposable Device for Rapid Isolation of Rare Tumor Cells from Blood by Ultrasounds. *Micromachines*, **2018**, 9,	3.3	12
26	The CXCL12 Crossroads in Cancer Stem Cells and Their Niche. *Cancers*, **2021**, 13,	6.6	11
25	Synergistic inhibition of SARS-coronavirus replication by type I and type II IFN. *Advances in Experimental Medicine and Biology*, **2006**, 581, 503-6	3.6	11
24	MEK Inhibition Targets Cancer Stem Cells and Impedes Migration of Pancreatic Cancer Cells and. *Stem Cells International*, **2019**, 2019, 8475389	5	9
23	The fuss over lipo"fuss"cin: not all autofluorescence is the same. *European Journal of Histochemistry* , **2015**, 59, 2512	2.1	9
22	Identification of hepatitis C virus inhibitors targeting different aspects of infection using a cell-based assay. *Antimicrobial Agents and Chemotherapy*, **2012**, 56, 6109-20	5.9	8
21	Permissive human cytomegalovirus infection of a first trimester extravillous cytotrophoblast cell line. *Virology Journal*, **2004**, 1, 8	6.1	8
20	The Revolutionary Roads to Study Cell-Cell Interactions in 3D In Vitro Pancreatic Cancer Models. *Cancers*, **2021**, 13,	6.6	8
19	Anti-20S proteasome antibodies in psoriatic arthritis. *Journal of Rheumatology*, **2008**, 35, 674-6	4.1	8
18	Targeting Kinase Signaling in Pancreatic Cancer Stem Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	7
17	Targeting MAD2 modulates stemness and tumorigenesis in human Gastric Cancer cell lines. *Theranostics*, **2020**, 10, 9601-9618	12.1	7
16	The Anthrax Toxin Receptor 1 (ANTXR1) Is Enriched in Pancreatic Cancer Stem Cells Derived from Primary Tumor Cultures. *Stem Cells International*, **2019**, 2019, 1378639	5	6
15	The Epigenetic Landscape of Pancreatic Cancer Stem Cells. *Epigenomes*, **2018**, 2, 10	2.3	6
14	Reduced expression of the murine HLA-G homolog Qa-2 is associated with malignancy, epithelial-mesenchymal transition and stemness in breast cancer cells. *Scientific Reports*, **2017**, 7, 6276	4.9	6
13	Inhibition of Mitochondrial Dynamics Preferentially Targets Pancreatic Cancer Cells with Enhanced Tumorigenic and Invasive Potential. *Cancers*, **2021**, 13,	6.6	6

12	Induction of Lysosome Membrane Permeabilization as a Therapeutic Strategy to Target Pancreatic Cancer Stem Cells. *Cancers*, **2020**, 12,	6.6	5
11	Telomerase and Pluripotency Factors Jointly Regulate Stemness in Pancreatic Cancer Stem Cells. *Cancers*, **2021**, 13,	6.6	5
10	Inhibition of hepatitis C entry: too soon to dismiss while many are still being denied treatment. *Gut*, **2015**, 64, 690-1	19.2	4
9	The dark side of radiotherapy-induced cell death in cancer. *EBioMedicine*, **2019**, 40, 7-8	8.8	3
8	The metastatic niche in the liver: tilling the soil for pancreatic cancer progression. *Translational Cancer Research*, **2017**, 6, S217-S220	0.3	3
7	Biomarkers Associated with Regorafenib First-Line Treatment Benefits in Metastatic Colorectal Cancer Patients: REFRAME Molecular Study. *Cancers*, **2021**, 13,	6.6	3
6	Current evidence for cancer stem cells in gastrointestinal tumors and future research perspectives. *Critical Reviews in Oncology/Hematology*, **2016**, 107, 54-71	7	3
5	Dysregulated splicing factor SF3B1 unveils a dual therapeutic vulnerability to target pancreatic cancer cells and cancer stem cells with an anti-splicing drug. *Journal of Experimental and Clinical Cancer Research*, **2021**, 40, 382	12.8	2
4	Somatic Mutation Profiling in the Liquid Biopsy and Clinical Analysis of Hereditary and Familial Pancreatic Cancer Cases Reveals Negativity and a Longer Overall Survival. *Cancers*, **2021**, 13,	6.6	1
3	Bcl3 Couples Cancer Stem Cell Enrichment With Pancreatic Cancer Molecular Subtypes. *Gastroenterology*, **2021**, 161, 318-332.e9	13.3	1
2	Partial complementation between the immediate early proteins ICP4 of herpes simplex virus type 1 and IE180 of pseudorabies virus. *Virus Research*, **2020**, 279, 197896	6.4	0
1	Giant Macrophages: Characteristics and Clinical Relevance **2021**, 169-184		