

# Julio A Aguirre-Ghiso

## List of Publications by Year in descending order

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87  
papers

15,582  
citations

38742

50  
h-index

58581

82  
g-index

96  
all docs

96  
docs citations

96  
times ranked

25896  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
2	Models, mechanisms and clinical evidence for cancer dormancy. <i>Nature Reviews Cancer</i> , 2007, 7, 834-846.	28.4	1,413
3	Immunology of COVID-19: Current State of the Science. <i>Immunity</i> , 2020, 52, 910-941.	14.3	1,387
4	Mechanisms of disseminated cancer cell dormancy: an awakening field. <i>Nature Reviews Cancer</i> , 2014, 14, 611-622.	28.4	902
5	Early dissemination seeds metastasis in breast cancer. <i>Nature</i> , 2016, 540, 552-558.	27.8	550
6	Urokinase Receptor and Fibronectin Regulate the ERK <sup>MAPK</sup> to p38 <sup>MAPK</sup> Activity Ratios That Determine Carcinoma Cell Proliferation or Dormancy In Vivo. <i>Molecular Biology of the Cell</i> , 2001, 12, 863-879.	2.1	440
7	Mechanism of early dissemination and metastasis in Her2+ mammary cancer. <i>Nature</i> , 2016, 540, 588-592.	27.8	424
8	TGF- $\beta$ 2 dictates disseminated tumour cell fate in target organs through TGF- $\beta$ 2-RIII and p38 $\beta$ signalling. <i>Nature Cell Biology</i> , 2013, 15, 1351-1361.	10.3	394
9	ERK(MAPK) activity as a determinant of tumor growth and dormancy; regulation by p38(SAPK). <i>Cancer Research</i> , 2003, 63, 1684-95.	0.9	377
10	Urokinase receptor and integrin partnership: coordination of signaling for cell adhesion, migration and growth. <i>Current Opinion in Cell Biology</i> , 2000, 12, 613-620.	5.4	364
11	Macrophages orchestrate breast cancer early dissemination and metastasis. <i>Nature Communications</i> , 2018, 9, 21.	12.8	331
12	ATF6 $\beta$ -Rheb-mTOR signaling promotes survival of dormant tumor cells <i>in vivo</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10519-10524.	7.1	296
13	Functional Coupling of p38-Induced Up-regulation of BiP and Activation of RNA-Dependent Protein Kinase $\beta$ -Like Endoplasmic Reticulum Kinase to Drug Resistance of Dormant Carcinoma Cells. <i>Cancer Research</i> , 2006, 66, 1702-1711.	0.9	291
14	Tissue-resident macrophages provide a pro-tumorigenic niche to early NSCLC cells. <i>Nature</i> , 2021, 595, 578-584.	27.8	284
15	Phenotypic heterogeneity of disseminated tumour cells is preset by primary tumour hypoxic microenvironments. <i>Nature Cell Biology</i> , 2017, 19, 120-132.	10.3	258
16	NR2F1 controls tumour cell dormancy via SOX9- and RAR $\beta$ -driven quiescence programmes. <i>Nature Communications</i> , 2015, 6, 6170.	12.8	246
17	PERK Integrates Autophagy and Oxidative Stress Responses To Promote Survival during Extracellular Matrix Detachment. <i>Molecular and Cellular Biology</i> , 2011, 31, 3616-3629.	2.3	243
18	Mitochondrial H <sub>2</sub> O <sub>2</sub> Regulates the Angiogenic Phenotype via PTEN Oxidation. <i>Journal of Biological Chemistry</i> , 2005, 280, 16916-16924.	3.4	217

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19	ERK1/2 and p38 $\hat{\pm}$ /I $\hat{2}$ Signaling in Tumor Cell Quiescence: Opportunities to Control Dormant Residual Disease. <i>Clinical Cancer Research</i> , 2011, 17, 5850-5857.	7.0	189
20	Dormancy Signatures and Metastasis in Estrogen Receptor Positive and Negative Breast Cancer. <i>PLoS ONE</i> , 2012, 7, e35569.	2.5	168
21	Green Fluorescent Protein Tagging of Extracellular Signal-Regulated Kinase and p38 Pathways Reveals Novel Dynamics of Pathway Activation during Primary and Metastatic Growth. <i>Cancer Research</i> , 2004, 64, 7336-7345.	0.9	160
22	Computational Identification of a p38SAPK-Regulated Transcription Factor Network Required for Tumor Cell Quiescence. <i>Cancer Research</i> , 2009, 69, 5664-5672.	0.9	152
23	Inhibition of eIF2 $\hat{\pm}$ Dephosphorylation Maximizes Bortezomib Efficiency and Eliminates Quiescent Multiple Myeloma Cells Surviving Proteasome Inhibitor Therapy. <i>Cancer Research</i> , 2009, 69, 1545-1552.	0.9	140
24	The current paradigm and challenges ahead for the dormancy of disseminated tumor cells. <i>Nature Cancer</i> , 2020, 1, 672-680.	13.2	132
25	Axl is required for TGF- $\hat{2}$ -induced dormancy of prostate cancer cells in the bone marrow. <i>Scientific Reports</i> , 2016, 6, 36520.	3.3	127
26	p38 $\hat{\pm}$ Mediates Cell Survival in Response to Oxidative Stress via Induction of Antioxidant Genes. <i>Journal of Biological Chemistry</i> , 2012, 287, 2632-2642.	3.4	115
27	A Region in Urokinase Plasminogen Receptor Domain III Controlling a Functional Association with I $\hat{\pm}$ 5 $\hat{2}$ 1 Integrin and Tumor Growth. <i>Journal of Biological Chemistry</i> , 2006, 281, 14852-14863.	3.4	110
28	A tumor-derived type III collagen-rich ECM niche regulates tumor cell dormancy. <i>Nature Cancer</i> , 2022, 3, 90-107.	13.2	110
29	Dormancy of metastatic melanoma. <i>Pigment Cell and Melanoma Research</i> , 2010, 23, 41-56.	3.3	109
30	Metastasis Awakening: Targeting dormant cancer. <i>Nature Medicine</i> , 2013, 19, 276-277.	30.7	107
31	A human tRNA methyltransferase 9 $\hat{\pm}$ like protein prevents tumour growth by regulating LIN9 and HIF1 $\hat{\pm}$ . <i>EMBO Molecular Medicine</i> , 2013, 5, 366-383.	6.9	98
32	Dual Function of Pancreatic Endoplasmic Reticulum Kinase in Tumor Cell Growth Arrest and Survival. <i>Cancer Research</i> , 2008, 68, 3260-3268.	0.9	97
33	Cbx8 Acts Non-canonically with Wdr5 to Promote Mammary Tumorigenesis. <i>Cell Reports</i> , 2016, 16, 472-486.	6.4	95
34	Microenvironments Dictating Tumor Cell Dormancy. <i>Recent Results in Cancer Research</i> , 2012, 195, 25-39.	1.8	94
35	Tumor cell dormancy induced by p38SAPK and ER-stress signaling: An adaptive advantage for metastatic cells?. <i>Cancer Biology and Therapy</i> , 2006, 5, 729-735.	3.4	93
36	Characterization of single disseminated prostate cancer cells reveals tumor cell heterogeneity and identifies dormancy associated pathways. <i>Oncotarget</i> , 2014, 5, 9939-9951.	1.8	92

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37	Collagen Matrix Density Drives the Metabolic Shift in Breast Cancer Cells. <i>EBioMedicine</i> , 2016, 13, 146-156.	6.1	90
38	Opposing Roles of Mitogenic and Stress Signaling Pathways in the Induction of Cancer Dormancy. <i>Cell Cycle</i> , 2006, 5, 1799-1807.	2.6	87
39	Regulation of Tumor Cell Dormancy by Tissue Microenvironments and Autophagy. <i>Advances in Experimental Medicine and Biology</i> , 2013, 734, 73-89.	1.6	86
40	Inducible Nitric Oxide Synthase Drives mTOR Pathway Activation and Proliferation of Human Melanoma by Reversible Nitrosylation of TSC2. <i>Cancer Research</i> , 2014, 74, 1067-1078.	0.9	86
41	NR2F1 stratifies dormant disseminated tumor cells in breast cancer patients. <i>Breast Cancer Research</i> , 2018, 20, 120.	5.0	85
42	The Different Routes to Metastasis via Hypoxia-Regulated Programs. <i>Trends in Cell Biology</i> , 2018, 28, 941-956.	7.9	83
43	RalA requirement for v-Src- and v-Ras-induced tumorigenicity and overproduction of urokinase-type plasminogen activator: involvement of metalloproteases. <i>Oncogene</i> , 1999, 18, 4718-4725.	5.9	76
44	Emerging Topics on Disseminated Cancer Cell Dormancy and the Paradigm of Metastasis. <i>Annual Review of Cancer Biology</i> , 2018, 2, 377-393.	4.5	72
45	Inhibition of Proliferation by PERK Regulates Mammary Acinar Morphogenesis and Tumor Formation. <i>PLoS ONE</i> , 2007, 2, e615.	2.5	70
46	Effects of Oncogenic G1±q and G1±11 Inhibition by FR900359 in Uveal Melanoma. <i>Molecular Cancer Research</i> , 2019, 17, 963-973.	3.4	68
47	Bone marrow NG2+/Nestin+ mesenchymal stem cells drive DTC dormancy via TGF-β2. <i>Nature Cancer</i> , 2021, 2, 327-339.	13.2	68
48	Stromal changes in the aged lung induce an emergence from melanoma dormancy. <i>Nature</i> , 2022, 606, 396-405.	27.8	67
49	Mer Tyrosine Kinase Regulates Disseminated Prostate Cancer Cellular Dormancy. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 891-902.	2.6	63
50	Primary tumor associated macrophages activate programs of invasion and dormancy in disseminating tumor cells. <i>Nature Communications</i> , 2022, 13, 626.	12.8	58
51	The Problem of Cancer Dormancy: Understanding the Basic Mechanisms and Identifying Therapeutic Opportunities. <i>Cell Cycle</i> , 2006, 5, 1740-1743.	2.6	56
52	How dormant cancer persists and reawakens. <i>Science</i> , 2018, 361, 1314-1315.	12.6	55
53	The State of Melanoma: Emergent Challenges and Opportunities. <i>Clinical Cancer Research</i> , 2021, 27, 2678-2697.	7.0	53
54	The urokinase receptor (uâ€PAR)â€”a link between tumor cell dormancy and minimal residual disease in bone marrow?. <i>Apmis</i> , 2008, 116, 602-614.	2.0	46

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55	p38 $\beta$ Signaling Induces Anoikis and Lumen Formation During Mammary Morphogenesis. <i>Science Signaling</i> , 2011, 4, ra34.	3.6	43
56	The $\beta$ -Catenin/Chick Chorioallantoic Membrane (CAM) Assay as an Efficient Xenograft Model of Hepatocellular Carcinoma. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	43
57	An NR2F1-specific agonist suppresses metastasis by inducing cancer cell dormancy. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	42
58	Epithelial Xbp1 Is Required for Cellular Proliferation and Differentiation during Mammary Gland Development. <i>Molecular and Cellular Biology</i> , 2015, 35, 1543-1556.	2.3	40
59	Time-lapsed, large-volume, high-resolution intravital imaging for tissue-wide analysis of single cell dynamics. <i>Methods</i> , 2017, 128, 65-77.	3.8	39
60	An IRAK1 $\beta$ -PIN1 signalling axis drives intrinsic tumour resistance to radiation therapy. <i>Nature Cell Biology</i> , 2019, 21, 203-213.	10.3	38
61	Immortalized mammary epithelial cells overexpressing protein kinase C gamma acquire a malignant phenotype and become tumorigenic in vivo. <i>Molecular Cancer Research</i> , 2003, 1, 776-87.	3.4	33
62	On the theory of tumor self-seeding: implications for metastasis progression in humans. <i>Breast Cancer Research</i> , 2010, 12, 304.	5.0	32
63	Bortezomib Enhances the Efficacy of Fulvestrant by Amplifying the Aggregation of the Estrogen Receptor, Which Leads to a Proapoptotic Unfolded Protein Response. <i>Clinical Cancer Research</i> , 2011, 17, 2292-2300.	7.0	31
64	Identification of markers that functionally define a quiescent multiple myeloma cell sub-population surviving bortezomib treatment. <i>BMC Cancer</i> , 2015, 15, 444.	2.6	26
65	Translating the Science of Cancer Dormancy to the Clinic. <i>Cancer Research</i> , 2021, 81, 4673-4675.	0.9	26
66	Analysis of Marker-Defined HNSCC Subpopulations Reveals a Dynamic Regulation of Tumor Initiating Properties. <i>PLoS ONE</i> , 2012, 7, e29974.	2.5	26
67	Metabolic Adaptations to MEK and CDK4/6 Cotargeting in Uveal Melanoma. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 1719-1726.	4.1	22
68	Validation of a device for the active manipulation of the tumor microenvironment during intravital imaging. <i>Intravital</i> , 2016, 5, e1182271.	2.0	16
69	Dephosphorylation Shows SR Proteins the Way Out. <i>Molecular Cell</i> , 2005, 20, 499-501.	9.7	13
70	RalA Mediates v-Src, v-Ras, and v-Raf Regulation of CD44 and Fibronectin Expression in NIH3T3 Fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2001, 283, 854-861.	2.1	12
71	Inhibition of eIF2 $\beta$ dephosphorylation inhibits ErbB2-induced deregulation of mammary acinar morphogenesis. <i>BMC Cell Biology</i> , 2009, 10, 64.	3.0	12
72	Combined Inhibition of Epidermal Growth Factor Receptor and Cyclooxygenase-2 as a Novel Approach to Enhance Radiotherapy. <i>Journal of Cell Science &amp; Therapy</i> , 2011, 2, .	0.3	12

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73	Altered BAF occupancy and transcription factor dynamics in PBAF-deficient melanoma. <i>Cell Reports</i> , 2022, 39, 110637.	6.4	12
74	Prostate Cancer Dormancy and Reactivation in Bone Marrow. <i>Journal of Clinical Medicine</i> , 2021, 10, 2648.	2.4	11
75	The importance of developing therapies targeting the biological spectrum of metastatic disease. <i>Clinical and Experimental Metastasis</i> , 2019, 36, 305-309.	3.3	9
76	Origin and interpretation of cancer transcriptome profiling: the essential role of the stroma in determining prognosis and drug resistance. <i>EMBO Molecular Medicine</i> , 2015, 7, 1385-1387.	6.9	6
77	Epigenetic Regulation of Cancer Dormancy as a Plasticity Mechanism for Metastasis Initiation. <i>Cancer Drug Discovery and Development</i> , 2017, , 1-16.	0.4	6
78	Immobilization rapidly selects for chemoresistant ovarian cancer cells with enhanced ability to enter dormancy. <i>Biotechnology and Bioengineering</i> , 2020, 117, 3066-3080.	3.3	5
79	Ribonomic and Short Hairpin RNA Gene Silencing Methods to Explore Functional Gene Programs Associated With Tumor Growth Arrest. , 2007, 383, 227-244.		4
80	A Local View of Cancer. <i>Developmental Cell</i> , 2012, 22, 472-474.	7.0	3
81	Autophagy and Tumor Cell Dormancy in Head and Neck Cancer. <i>Laryngoscope</i> , 2011, 121, S125-S125.	2.0	1
82	Function and Expression of the uPA/uPAR System in Cancer Metastasis. , 0, , 223-236.		1
83	Oropharyngeal Cancer Biology and Treatment: Insights From Messenger RNA Sequence Analysis and Transoral Robotic Surgery. <i>Mayo Clinic Proceedings</i> , 2012, 87, 211-212.	3.0	1
84	Integration of microenvironmental and stress signaling antagonizes colorectal cancer progression. <i>EMBO Journal</i> , 2014, 33, 1737-1739.	7.8	1
85	Inhibition of eIF2 $\gamma$ Dephosphorylation Maximizes Bortezomib Efficiency and Eliminates Quiescent Multiple Myeloma Cells Surviving Therapy. <i>Blood</i> , 2008, 112, 2762-2762.	1.4	0
86	Dormancy of Disseminated Tumor Cells: Reciprocal Crosstalk with the Microenvironment. , 2010, , 229-254.		0
87	Effects of Oncogenic G1 $\alpha$ q and G1 $\alpha$ 11 Inhibition by FR900359 in Uveal Melanoma. <i>FASEB Journal</i> , 2019, 33, 815.9.	0.5	0