

Jaime Rodriguez-Canales

List of Publications by Year in descending order

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116
papers

9,159
citations

61984

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119
times ranked

17119
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#	ARTICLE	IF	CITATIONS
1	SRGN-Triggered Aggressive and Immunosuppressive Phenotype in a Subset of TTF-1â€“Negative Lung Adenocarcinomas. <i>Journal of the National Cancer Institute</i> , 2022, 114, 290-301.	6.3	18
2	Loss of ubiquitin-specific peptidase 18 destabilizes 14-3-3â†“ protein and represses lung cancer metastasis. <i>Cancer Biology and Therapy</i> , 2022, 23, 265-280.	3.4	6
3	Mutational Activation of the NRF2 Pathway Upregulates Kynureninase Resulting in Tumor Immunosuppression and Poor Outcome in Lung Adenocarcinoma. <i>Cancers</i> , 2022, 14, 2543.	3.7	16
4	Female Gender Predicts Augmented Immune Infiltration in Lung Adenocarcinoma. <i>Clinical Lung Cancer</i> , 2021, 22, e415-e424.	2.6	10
5	Adavosertib plus gemcitabine for platinum-resistant or platinum-refractory recurrent ovarian cancer: a double-blind, randomised, placebo-controlled, phase 2 trial. <i>Lancet, The</i> , 2021, 397, 281-292.	13.7	125
6	CD8+ T cells inhibit metastasis and CXCL4 regulates its function. <i>British Journal of Cancer</i> , 2021, 125, 176-189.	6.4	21
7	Contextual cues from cancer cells govern cancer-associated fibroblast heterogeneity. <i>Cell Reports</i> , 2021, 35, 109009.	6.4	18
8	Retrospective analysis of Schlafen11 (SLFN11) to predict the outcomes to therapies affecting the DNA damage response. <i>British Journal of Cancer</i> , 2021, 125, 1666-1676.	6.4	18
9	Olfactomedin 4 downregulation is associated with tumor initiation, growth and progression in human prostate cancer. <i>International Journal of Cancer</i> , 2020, 146, 1346-1358.	5.1	11
10	RUVBL1/RUVBL2 ATPase Activity Drives PAQosome Maturation, DNA Replication and Radioresistance in Lung Cancer. <i>Cell Chemical Biology</i> , 2020, 27, 105-121.e14.	5.2	38
11	An in vivo functional genomics screen of nuclear receptors and their co-regulators identifies FOXA1 as an essential gene in lung tumorigenesis. <i>Neoplasia</i> , 2020, 22, 294-310.	5.3	21
12	Characterization of the immune microenvironment of NSCLC by multispectral analysis of multiplex immunofluorescence images. <i>Methods in Enzymology</i> , 2020, 635, 33-50.	1.0	16
13	Tyrosine Threonine Kinase Inhibition Eliminates Lung Cancers by Augmenting Apoptosis and Polyploidy. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 1775-1786.	4.1	21
14	Targeting CDK9 and MCL-1 by a new CDK9/p-TEFb inhibitor with and without 5-fluorouracil in esophageal adenocarcinoma. <i>Therapeutic Advances in Medical Oncology</i> , 2019, 11, 175883591986485.	3.2	11
15	CTLA-4 Immunohistochemistry and Quantitative Image Analysis for Profiling of Human Cancers. <i>Journal of Histochemistry and Cytochemistry</i> , 2019, 67, 901-918.	2.5	10
16	Oncogenic enhancer of zeste homolog 2 is an actionable target in patients with nonâ€“small cell lung cancer. <i>Cancer Medicine</i> , 2019, 8, 6383-6392.	2.8	10
17	High OX-40 expression in the tumor immune infiltrate is a favorable prognostic factor of overall survival in non-small cell lung cancer. , 2019, 7, 351.		39
18	Osteoblast-Secreted Factors Mediate Dormancy of Metastatic Prostate Cancer in the Bone via Activation of the TGFâ†“RIIIâ€“p38MAPKâ€“pS249/T252RB Pathway. <i>Cancer Research</i> , 2018, 78, 2911-2924.	0.9	117

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19	Polo-like kinase 4 inhibition produces polyploidy and apoptotic death of lung cancers. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1913-1918.	7.1	64
20	Immunohistochemical and Image Analysis-Based Study Shows That Several Immune Checkpoints are Co-expressed in Non-Small Cell Lung Carcinoma Tumors. Journal of Thoracic Oncology, 2018, 13, 779-791.	1.1	53
21	Phase I Study of DNX-2401 (Delta-24-RGD) Oncolytic Adenovirus: Replication and Immunotherapeutic Effects in Recurrent Malignant Glioma. Journal of Clinical Oncology, 2018, 36, 1419-1427.	1.6	477
22	Reply to Oegema et al.: CFI-400945 and Polo-like kinase 4 inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10810-E10811.	7.1	5
23	HORMAD1 Is a Negative Prognostic Indicator in Lung Adenocarcinoma and Specifies Resistance to Oxidative and Genotoxic Stress. Cancer Research, 2018, 78, 6196-6208.	0.9	50
24	STK11/LKB1 Mutations and PD-1 Inhibitor Resistance in KRAS-Mutant Lung Adenocarcinoma. Cancer Discovery, 2018, 8, 822-835.	9.4	1,108
25	A Functional Spatial Analysis Platform for Discovery of Immunological Interactions Predictive of Low-Grade to High-Grade Transition of Pancreatic Intraductal Papillary Mucinous Neoplasms. Cancer Informatics, 2018, 17, 117693511878288.	1.9	29
26	CD38-Mediated Immunosuppression as a Mechanism of Tumor Cell Escape from PD-1/PD-L1 Blockade. Cancer Discovery, 2018, 8, 1156-1175.	9.4	323
27	RUNX3 Epigenetic Inactivation Is Associated With Estrogen Receptor Positive Breast Cancer. Journal of Histochemistry and Cytochemistry, 2018, 66, 709-721.	2.5	12
28	Molecular Signature and Mechanisms of Hepatitis D Virus-Associated Hepatocellular Carcinoma. Molecular Cancer Research, 2018, 16, 1406-1419.	3.4	64
29	Concomitant targeting of the mTOR/MAPK pathways: novel therapeutic strategy in subsets of RICTOR/KRAS-altered non-small cell lung cancer. Oncotarget, 2018, 9, 33995-34008.	1.8	9
30	Computer-Aided Laser Dissection: A Microdissection Workflow Leveraging Image Analysis Tools. Journal of Pathology Informatics, 2018, 9, 45.	1.7	10
31	Deubiquitinase USP18 Loss Mislocalizes and Destabilizes KRAS in Lung Cancer. Molecular Cancer Research, 2017, 15, 905-914.	3.4	28
32	Taxane-Platin-Resistant Lung Cancers Co-develop Hypersensitivity to JumonjiC Demethylase Inhibitors. Cell Reports, 2017, 19, 1669-1684.	6.4	82
33	CPS1 maintains pyrimidine pools and DNA synthesis in KRAS/LKB1-mutant lung cancer cells. Nature, 2017, 546, 168-172.	27.8	222
34	MA04.07 Impact of Major Co-Mutations on the Immune Contexture and Response of KRAS-Mutant Lung Adenocarcinoma to Immunotherapy. Journal of Thoracic Oncology, 2017, 12, S361-S362.	1.1	7
35	OA19.02 Sex Differences Are Detected in the Profile of Tumor Associated Inflammatory Cells (TAICs) Are Lung Adenocarcinoma. Journal of Thoracic Oncology, 2017, 12, S318.	1.1	0
36	OA20.05 The Influence of Neoadjuvant Chemotherapy, on Immune Response Profile in Non-Small Cell Lung Carcinomas. Journal of Thoracic Oncology, 2017, 12, S323-S324.	1.1	0

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37	MA11.07 Improved Small Cell Lung Cancer (SCLC) Response Rates with Veliparib and Temozolomide: Results from a Phase II Trial. <i>Journal of Thoracic Oncology</i> , 2017, 12, S406-S407.	1.1	12
38	Pembrolizumab in advanced soft-tissue sarcoma and bone sarcoma (SARC028): a multicentre, two-cohort, single-arm, open-label, phase 2 trial. <i>Lancet Oncology</i> , The, 2017, 18, 1493-1501.	10.7	921
39	4-1BB Agonist Focuses CD8+ Tumor-Infiltrating T-Cell Growth into a Distinct Repertoire Capable of Tumor Recognition in Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2017, 23, 7263-7275.	7.0	41
40	Validation of multiplex immunofluorescence panels using multispectral microscopy for immune-profiling of formalin-fixed and paraffin-embedded human tumor tissues. <i>Scientific Reports</i> , 2017, 7, 13380.	3.3	208
41	Programmed cell death ligand 1 and tumor-infiltrating lymphocyte status in patients with renal cell carcinoma and sarcomatoid dedifferentiation. <i>Cancer</i> , 2017, 123, 4823-4831.	4.1	79
42	Prognostic Significance of Tumor-Infiltrating Lymphocytes in Patients With Pancreatic Ductal Adenocarcinoma Treated With Neoadjuvant Chemotherapy. <i>Pancreas</i> , 2017, 46, 1180-1187.	1.1	47
43	TCR Repertoire Intratumor Heterogeneity in Localized Lung Adenocarcinomas: An Association with Predicted Neoantigen Heterogeneity and Postsurgical Recurrence. <i>Cancer Discovery</i> , 2017, 7, 1088-1097.	9.4	160
44	Thy-1+ Cancer-associated Fibroblasts Adversely Impact Lung Cancer Prognosis. <i>Scientific Reports</i> , 2017, 7, 6478.	3.3	34
45	Next-Generation CDK2/9 Inhibitors and Anaphase Catastrophe in Lung Cancer. <i>Journal of the National Cancer Institute</i> , 2017, 109, .	6.3	41
46	Comprehensive Computational Pathological Image Analysis Predicts Lung Cancer Prognosis. <i>Journal of Thoracic Oncology</i> , 2017, 12, 501-509.	1.1	138
47	PROTOCADHERIN 7 Acts through SET and PP2A to Potentiate MAPK Signaling by EGFR and KRAS during Lung Tumorigenesis. <i>Cancer Research</i> , 2017, 77, 187-197.	0.9	55
48	The ISG15-specific protease USP18 regulates stability of PTEN. <i>Oncotarget</i> , 2017, 8, 3-14.	1.8	52
49	Imaging-genetic data mapping for clinical outcome prediction via supervised conditional Gaussian graphical model. , 2016, , .		9
50	Density, Distribution, and Composition of Immune Infiltrates Correlate with Survival in Merkel Cell Carcinoma. <i>Clinical Cancer Research</i> , 2016, 22, 5553-5563.	7.0	96
51	PIAS1-FAK Interaction Promotes the Survival and Progression of Non-Small Cell Lung Cancer. <i>Neoplasia</i> , 2016, 18, 282-293.	5.3	24
52	XPO1-dependent nuclear export is a druggable vulnerability in KRAS-mutant lung cancer. <i>Nature</i> , 2016, 538, 114-117.	27.8	162
53	Fatty Acid Oxidation Mediated by Acyl-CoA Synthetase Long Chain 3 Is Required for Mutant KRAS Lung Tumorigenesis. <i>Cell Reports</i> , 2016, 16, 1614-1628.	6.4	205
54	Diagnosis and Molecular Classification of Lung Cancer. <i>Cancer Treatment and Research</i> , 2016, 170, 25-46.	0.5	172

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55	Image Analysis-based Assessment of PD-L1 and Tumor-Associated Immune Cells Density Supports Distinct Intratumoral Microenvironment Groups in Non-small Cell Lung Carcinoma Patients. <i>Clinical Cancer Research</i> , 2016, 22, 6278-6289.	7.0	130
56	Sorting nexin 9 negatively regulates invadopodia formation and function in cancer cells. <i>Journal of Cell Science</i> , 2016, 129, 2804-16.	2.0	21
57	An Expression Signature as an Aid to the Histologic Classification of Non-small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2016, 22, 4880-4889.	7.0	140
58	Distinct clinical patterns and immune infiltrates are observed at time of progression on targeted therapy versus immune checkpoint blockade for melanoma. <i>Oncimmunology</i> , 2016, 5, e1136044.	4.6	55
59	Immunoproteasome deficiency is a feature of non-small cell lung cancer with a mesenchymal phenotype and is associated with a poor outcome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1555-64.	7.1	174
60	A Patient-Derived, Pan-Cancer EMT Signature Identifies Global Molecular Alterations and Immune Target Enrichment Following Epithelial-to-Mesenchymal Transition. <i>Clinical Cancer Research</i> , 2016, 22, 609-620.	7.0	388
61	Polo-like kinase 1 inhibition diminishes acquired resistance to epidermal growth factor receptor inhibition in non-small cell lung cancer with <i>T790M</i> mutations. <i>Oncotarget</i> , 2016, 7, 47998-48010.	1.8	21
62	Oncogenic mutation profiling in new lung cancer and mesothelioma cell lines. <i>OncoTargets and Therapy</i> , 2015, 8, 195.	2.0	4
63	Systematic siRNA Screen Unmasks NSCLC Growth Dependence by Palmitoyltransferase DHHC5. <i>Molecular Cancer Research</i> , 2015, 13, 784-794.	3.4	35
64	CDK2 Inhibition Causes Anaphase Catastrophe in Lung Cancer through the Centrosomal Protein CP110. <i>Cancer Research</i> , 2015, 75, 2029-2038.	0.9	40
65	Spatial regulation of gene expression during growth of articular cartilage in juvenile mice. <i>Pediatric Research</i> , 2015, 77, 406-415.	2.3	28
66	Primary mediastinal seminomas: a comprehensive immunohistochemical study with a focus on novel markers. <i>Human Pathology</i> , 2015, 46, 376-383.	2.0	33
67	A Reevaluation of CD22 Expression in Human Lung Cancer. <i>Cancer Research</i> , 2014, 74, 263-271.	0.9	17
68	Multiplex Quantitative Measurement of mRNAs From Fixed Tissue Microarray Sections. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2014, 22, 323-330.	1.2	1
69	Essential Role of Aldehyde Dehydrogenase 1A3 for the Maintenance of Non-small Cell Lung Cancer Stem Cells Is Associated with the STAT3 Pathway. <i>Clinical Cancer Research</i> , 2014, 20, 4154-4166.	7.0	131
70	Viral expression and molecular profiling in liver tissue versus microdissected hepatocytes in hepatitis B virus - associated hepatocellular carcinoma. <i>Journal of Translational Medicine</i> , 2014, 12, 230.	4.4	51
71	A specific missense mutation in GTF2I occurs at high frequency in thymic epithelial tumors. <i>Nature Genetics</i> , 2014, 46, 844-849.	21.4	208
72	ZEB1 sensitizes lung adenocarcinoma to metastasis suppression by PI3K antagonism. <i>Journal of Clinical Investigation</i> , 2014, 124, 2696-2708.	8.2	101

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73	Three-Dimensional mRNA Measurements Reveal Minimal Regional Heterogeneity in Esophageal Squamous Cell Carcinoma. <i>American Journal of Pathology</i> , 2013, 182, 529-539.	3.8	7
74	Deletion of the Olfactomedin 4 Gene Is Associated with Progression of Human Prostate Cancer. <i>American Journal of Pathology</i> , 2013, 183, 1329-1338.	3.8	23
75	Proteomic Analysis of Frozen Tissue Samples Using Laser Capture Microdissection. <i>Methods in Molecular Biology</i> , 2013, 1002, 71-83.	0.9	21
76	Optimal Molecular Profiling of Tissue and Tissue Components: Defining the Best Processing and Microdissection Methods for Biomedical Applications. <i>Methods in Molecular Biology</i> , 2013, 980, 61-120.	0.9	10
77	Analysis of Transcription Factor mRNAs in Identified Oxytocin and Vasopressin Magnocellular Neurons Isolated by Laser Capture Microdissection. <i>PLoS ONE</i> , 2013, 8, e69407.	2.5	10
78	The General Transcription Factor TAF7 Is Essential for Embryonic Development but Not Essential for the Survival or Differentiation of Mature T Cells. <i>Molecular and Cellular Biology</i> , 2012, 32, 1984-1997.	2.3	47
79	EGFR and KRAS mutation analysis in cytologic samples of lung adenocarcinoma enabled by laser capture microdissection. <i>Modern Pathology</i> , 2012, 25, 548-555.	5.5	73
80	Thyroid Regeneration: Characterization of Clear Cells After Partial Thyroidectomy. <i>Endocrinology</i> , 2012, 153, 2514-2525.	2.8	33
81	Semiautomated Laser Capture Microdissection of Lung Adenocarcinoma Cytology Samples. <i>Acta Cytologica</i> , 2012, 56, 622-631.	1.3	17
82	Association of D4-GDI expression with breast cancer progression. <i>Cancer Biomarkers</i> , 2012, 10, 163-173.	1.7	4
83	Identification of unique expression signatures and therapeutic targets in esophageal squamous cell carcinoma. <i>BMC Research Notes</i> , 2012, 5, 73.	1.4	27
84	<i>Rspo2</i> / <i>Int7</i> regulates invasiveness and tumorigenic properties of mammary epithelial cells. <i>Journal of Cellular Physiology</i> , 2012, 227, 1960-1971.	4.1	46
85	Immunoguided Microdissection Techniques. <i>Methods in Molecular Biology</i> , 2011, 755, 57-66.	0.9	10
86	Paracrine SLPI secretion upregulates MMP-9 transcription and secretion in ovarian cancer cells. <i>Gynecologic Oncology</i> , 2011, 122, 656-662.	1.4	20
87	A dynamic magnetic shift method to increase nanoparticle concentration in cancer metastases: a feasibility study using simulations on autopsy specimens. <i>International Journal of Nanomedicine</i> , 2011, 6, 2907.	6.7	38
88	Methylation profiling of mediastinal gray zone lymphoma reveals a distinctive signature with elements shared by classical Hodgkin's lymphoma and primary mediastinal large B-cell lymphoma. <i>Haematologica</i> , 2011, 96, 558-566.	3.5	135
89	Opposing regulation of the locus encoding IL-17 through direct, reciprocal actions of STAT3 and STAT5. <i>Nature Immunology</i> , 2011, 12, 247-254.	14.5	522
90	Expression microdissection adapted to commercial laser dissection instruments. <i>Nature Protocols</i> , 2011, 6, 457-467.	12.0	30

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91	Why is it crucial to reintegrate pathology into cancer research?. BioEssays, 2011, 33, 490-498.	2.5	14
92	SIVQ-aided laser capture microdissection: A tool for high-throughput expression profiling. Journal of Pathology Informatics, 2011, 2, 19.	1.7	22
93	Computer aided diagnostic tools aim to empower rather than replace pathologists: Lessons learned from computational chess. Journal of Pathology Informatics, 2011, 2, 25.	1.7	62
94	Effect of Immunohistochemistry on Molecular Analysis of Tissue Samples. Journal of Histochemistry and Cytochemistry, 2011, 59, 591-600.	2.5	32
95	Clonally related histiocytic/dendritic cell sarcoma and chronic lymphocytic leukemia/small lymphocytic lymphoma: a study of seven cases. Modern Pathology, 2011, 24, 1421-1432.	5.5	170
96	Gray zone lymphoma: chromosomal aberrations with immunophenotypic and clinical correlations. Modern Pathology, 2011, 24, 1586-1597.	5.5	137
97	Image microarrays (IMA): Digital pathology's missing tool. Journal of Pathology Informatics, 2011, 2, 47.	1.7	10
98	MicroRNA analysis of microdissected normal squamous esophageal epithelium and tumor cells. American Journal of Cancer Research, 2011, 1, 574-584.	1.4	19
99	Decrease in CD8+ lymphocyte number and altered cytokine profile in human prostate cancer. American Journal of Cancer Research, 2011, 1, 120-127.	1.4	6
100	Human Intestinal Tissue and Cultured Colonic Cells Contain Globotriaosylceramide Synthase mRNA and the Alternate Shiga Toxin Receptor Globotetraosylceramide. Infection and Immunity, 2010, 78, 4488-4499.	2.2	72
101	Increased matrix metalloproteinase activation in esophageal squamous cell carcinoma. Journal of Translational Medicine, 2010, 8, 91.	4.4	40
102	Immunoguided Laser Assisted Microdissection Techniques for DNA Methylation Analysis of Archival Tissue Specimens. Journal of Molecular Diagnostics, 2010, 12, 394-401.	2.8	33
103	Abstract 3986: Effects of immunohistochemistry on biomolecules in tissue specimens: Importance for expression-based microdissection technologies. , 2010, , .		1
104	Methylation Profiling of Mediastinal Gray Zone Lymphoma Reveals a Distinctive Signature with Elements Shared by Classical Hodgkin's Lymphoma and Mediastinal Large B-Cell Lymphoma. Blood, 2010, 116, 747-747.	1.4	0
105	Influence of hypoxia induced by minimally invasive prostatectomy on gene expression: implications for biomarker analysis. American Journal of Translational Research (discontinued), 2010, 2, 210-22.	0.0	6
106	Application of proteomic techniques to human tissues. Journal of Organ Dysfunction, 2009, 5, 110-118.	0.3	0
107	Quantitative RT-PCR gene expression analysis of laser microdissected tissue samples. Nature Protocols, 2009, 4, 902-922.	12.0	85
108	Approaching Solid Tumor Heterogeneity on a Cellular Basis by Tissue Proteomics Using Laser Capture Microdissection and Biological Mass Spectrometry. Journal of Proteome Research, 2009, 8, 2310-2318.	3.7	75

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109	Identification of EpCAM as a Molecular Target of Prostate Cancer Stroma. American Journal of Pathology, 2009, 175, 2277-2287.	3.8	39
110	2D-PCR: a method of mapping DNA in tissue sections. Lab on A Chip, 2009, 9, 3526.	6.0	5
111	Quantitation of Steroid Hormones in Thin Fresh Frozen Tissue Sections. Analytical Chemistry, 2008, 80, 8845-8852.	6.5	17
112	Global Expression Analysis of Prostate Cancer-associated Stroma and Epithelia. Diagnostic Molecular Pathology, 2007, 16, 189-197.	2.1	51
113	Assessment of normalization strategies for quantitative RT-PCR using microdissected tissue samples. Laboratory Investigation, 2007, 87, 951-962.	3.7	37
114	Lack of prognostic significance of prostate biopsies in metastatic androgen independent prostate cancer. BJU International, 2007, 100, 1245-1248.	2.5	0
115	Clinical Pathogenetics Prostate Tissue Relational Database. FASEB Journal, 2007, 21, A64.	0.5	0
116	Combined High-Grade Basal Cell Carcinoma and Malignant Melanoma of the Skin (???Malignant) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	0.6	47