Alberto Villanueva

List of Publications by Year
in descending order

69 papers	**6,180** citations	147726 **31** h-index	95218 **68** g-index
72 all docs	**72** docs citations	**72** times ranked	**13634** citing authors

#	Article	IF	Citations
1	Patient-Derived Xenograft Models: An Emerging Platform for Translational Cancer Research. Cancer Discovery, 2014, 4, 998-1013.	7.7	1,341
2	Cancer Exosomes Perform Cell-Independent MicroRNA Biogenesis and Promote Tumorigenesis. Cancer Cell, 2014, 26, 707-721.	7.7	1,293
3	Interrogating open issues in cancer precision medicine with patient-derived xenografts. Nature Reviews Cancer, 2017, 17, 254-268.	12.8	527
4	Basic Caenorhabditis elegans Methods: Synchronization and Observation. Journal of Visualized Experiments, 2012, , e4019.	0.2	265
5	Head-to-head antisense transcription and R-loop formation promotes transcriptional activation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5785-5790.	3.3	194
6	<i>MAX</i> Inactivation in Small Cell Lung Cancer Disrupts MYC–SWI/SNF Programs and Is Synthetic Lethal with BRG1. Cancer Discovery, 2014, 4, 292-303.	7.7	153
7	Combined inhibition of DDR1 and Notch signaling is a therapeutic strategy for KRAS-driven lung adenocarcinoma. Nature Medicine, 2016, 22, 270-277.	15.2	150
8	Epigenetic activation of a cryptic TBC1D16 transcript enhances melanoma progression by targeting EGFR. Nature Medicine, 2015, 21, 741-750.	15.2	107
9	Epigenetic loss of RNA-methyltransferase NSUN5 in glioma targets ribosomes to drive a stress adaptive translational program. Acta Neuropathologica, 2019, 138, 1053-1074.	3.9	106
10	Intratumor Adoptive Transfer of IL-12 mRNA Transiently Engineered Antitumor CD8+ T Cells. Cancer Cell, 2019, 36, 613-629.e7.	7.7	99
11	Differences between CAFs and their paired NCF from adjacent colonic mucosa reveal functional heterogeneity of CAFs, providing prognostic information. Molecular Oncology, 2014, 8, 1290-1305.	2.1	98
12	A DERL3-associated defect in the degradation of SLC2A1 mediates the Warburg effect. Nature Communications, 2014, 5, 3608.	5.8	94
13	Germline Mutations in FAN1 Cause Hereditary Colorectal Cancer by Impairing DNA Repair. Gastroenterology, 2015, 149, 563-566.	0.6	94
14	Lurbinectedin (PM01183), a New DNA Minor Groove Binder, Inhibits Growth of Orthotopic Primary Graft of Cisplatin-Resistant Epithelial Ovarian Cancer. Clinical Cancer Research, 2012, 18, 5399-5411.	3.2	86
15	Epigenetic footprint enables molecular risk stratification of hepatoblastoma with clinical implications. Journal of Hepatology, 2020, 73, 328-341.	1.8	82
16	TET2 controls chemoresistant slow-cycling cancer cell survival and tumor recurrence. Journal of Clinical Investigation, 2018, 128, 3887-3905.	3.9	79
17	The tumour suppressor and chromatin–remodelling factor BRG1 antagonizes Myc activity and promotes cell differentiation in human cancer. EMBO Molecular Medicine, 2012, 4, 603-616.	3.3	70
18	A Vulnerability of a Subset of Colon Cancers with Potential Clinical Utility. Cell, 2016, 165, 317-330.	13.5	70

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19	Genomic Profiling of Patient-Derived Xenografts for Lung Cancer Identifies <i>B2M</i> Inactivation Impairing Immunorecognition. Clinical Cancer Research, 2017, 23, 3203-3213.	3.2	66
20	Genomic Profiling of Patient-Derived Xenografts for Lung Cancer Identifies <i>B2M</i> Inactivation Impairing Immunorecognition. Clinical Cancer Research, 2017, 23, 3203-3213.	3.2	66
21	Autophagy orchestrates adaptive responses to targeted therapy in endometrial cancer. Autophagy, 2017, 13, 608-624.	4.3	65
22	Zonation of Ribosomal DNA Transcription Defines a Stem Cell Hierarchy in Colorectal Cancer. Cell Stem Cell, 2020, 26, 845-861.e12.	5.2	59
23	Multiple low dose therapy as an effective strategy to treat EGFR inhibitor-resistant NSCLC tumours. Nature Communications, 2020, 11, 3157.	5.8	59
24	IKKÎ± Kinase Regulates the DNA Damage Response and Drives Chemo-resistance in Cancer. Molecular Cell, 2019, 75, 669-682.e5.	4.5	56
25	The TGFÎ² pathway stimulates ovarian cancer cell proliferation by increasing IGF1R levels. International Journal of Cancer, 2016, 139, 1894-1903.	2.3	53
26	Epigenetic inactivation of the splicing RNA-binding protein CELF2 in human breast cancer. Oncogene, 2019, 38, 7106-7112.	2.6	48
27	Functional patient-derived organoid screenings identify MCLA-158 as a therapeutic EGFR Ã— LGR5 bispecific antibody with efficacy in epithelial tumors. Nature Cancer, 2022, 3, 418-436.	5.7	46
28	<i>PARD3</i> Inactivation in Lung Squamous Cell Carcinomas Impairs STAT3 and Promotes Malignant Invasion. Cancer Research, 2015, 75, 1287-1297.	0.4	44
29	Carcinoma-associated fibroblasts affect sensitivity to oxaliplatin and 5FU in colorectal cancer cells. Oncotarget, 2016, 7, 59766-59780.	0.8	42
30	A Truncated Form of IKKÎ± Is Responsible for Specific Nuclear IKK Activity in Colorectal Cancer. Cell Reports, 2012, 2, 840-854.	2.9	41
31	Tumors defective in homologous recombination rely on oxidative metabolism: relevance to treatments with <scp>PARP</scp> inhibitors. EMBO Molecular Medicine, 2020, 12, e11217.	3.3	37
32	Radioresistance of mesenchymal glioblastoma initiating cells correlates with patient outcome and is associated with activation of inflammatory program. Oncotarget, 2017, 8, 73640-73653.	0.8	33
33	Patient-Derived Xenograft Models for Endometrial Cancer Research. International Journal of Molecular Sciences, 2018, 19, 2431.	1.8	32
34	Noncanonical TGFÎ² Pathway Relieves the Blockade of IL1Î²/TGFÎ²-Mediated Crosstalk between Tumor and Stroma: TGFBR1 and TAK1 Inhibition in Colorectal Cancer. Clinical Cancer Research, 2019, 25, 4466-4479.	3.2	32
35	Epigenetic loss of the transfer RNA-modifying enzyme TYW2 induces ribosome frameshifts in colon cancer. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20785-20793.	3.3	31
36	A 5-gene classifier from the carcinoma-associated fibroblast transcriptomic profile and clinical outcome in colorectal cancer. Oncotarget, 2014, 5, 6437-6452.	0.8	30

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37	Modeling Lung Cancer Evolution and Preclinical Response by Orthotopic Mouse Allografts. Cancer Research, 2014, 74, 5978-5988.	0.4	30
38	Epigenetic loss of m1A RNA demethylase ALKBH3 in Hodgkin lymphoma targets collagen, conferring poor clinical outcome. Blood, 2021, 137, 994-999.	0.6	30
39	BRAF-induced tumorigenesis is IKKα-dependent but NF-κB–independent. Science Signaling, 2015, 8, ra38.	1.6	29
40	TGFβ Controls Ovarian Cancer Cell Proliferation. International Journal of Molecular Sciences, 2017, 18, 1658.	1.8	26
41	Novel Indole-based Tambjamine-Analogues Induce Apoptotic Lung Cancer Cell Death through p38 Mitogen-Activated Protein Kinase Activation. Molecular Cancer Therapeutics, 2017, 16, 1224-1235.	1.9	24
42	SMARCA4 deficient tumours are vulnerable to KDM6A/UTX and KDM6B/JMJD3 blockade. Nature Communications, 2021, 12, 4319.	5.8	22
43	KRAS-driven lung adenocarcinoma: combined DDR1/Notch inhibition as an effective therapy. ESMO Open, 2016, 1, e000076.	2.0	19
44	Modeling iPSC-derived human neurofibroma-like tumors in mice uncovers the heterogeneity of Schwann cells within plexiform neurofibromas. Cell Reports, 2022, 38, 110385.	2.9	19
45	Orthoxenografts of Testicular Germ Cell Tumors Demonstrate Genomic Changes Associated with Cisplatin Resistance and Identify PDMP as a Resensitizing Agent. Clinical Cancer Research, 2018, 24, 3755-3766.	3.2	17
46	Sequential combinations of chemotherapeutic agents with BH3 mimetics to treat rhabdomyosarcoma and avoid resistance. Cell Death and Disease, 2020, 11, 634.	2.7	17
47	Zebrafish patient-derived xenograft models predict lymph node involvement and treatment outcome in non-small cell lung cancer. Journal of Experimental and Clinical Cancer Research, 2022, 41, 58.	3.5	17
48	p53 wild-type colorectal cancer cells that express a fetal gene signature are associated with metastasis and poor prognosis. Nature Communications, 2022, 13, .	5.8	17
49	Requirement for epithelial p38α in KRAS-driven lung tumor progression. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2588-2596.	3.3	16
50	Inhibition of DDR1 enhances in vivo chemosensitivity in KRAS-mutant lung adenocarcinoma. JCI Insight, 2020, 5, .	2.3	16
51	*In vitro* and *in vivo* activity of a new small-molecule inhibitor of HDAC6 in mantle cell lymphoma. Haematologica, 2018, 103, e537-e540.	1.7	15
52	Epigenetic loss of the endoplasmic reticulum–associated degradation inhibitor SVIP induces cancer cell metabolic reprogramming. JCI Insight, 2019, 4, .	2.3	14
53	Genetic and cellular sensitivity of *Caenorhabditis elegans* to the chemotherapeutic agent cisplatin. DMM Disease Models and Mechanisms, 2018, 11, .	1.2	13
54	Gene Expression Profiling as a Potential Tool for Precision Oncology in Non-Small Cell Lung Cancer. Cancers, 2021, 13, 4734.	1.7	13

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55	Chromosomal translocations inactivating CDKN2A support a single path for malignant peripheral nerve sheath tumor initiation. Human Genetics, 2021, 140, 1241-1252.	1.8	12
56	The atypical cyclin CNTD2 promotes colon cancer cell proliferation and migration. Scientific Reports, 2018, 8, 11797.	1.6	9
57	The Blockade of Tumoral IL1Î²-Mediated Signaling in Normal Colonic Fibroblasts Sensitizes Tumor Cells to Chemotherapy and Prevents Inflammatory CAF Activation. International Journal of Molecular Sciences, 2021, 22, 4960.	1.8	9
58	Efficacy of CDK4/6 inhibitors in preclinical models of malignant pleural mesothelioma. British Journal of Cancer, 2021, 125, 1365-1376.	2.9	8
59	Cancer network activity associated with therapeutic response and synergism. Genome Medicine, 2016, 8, 88.	3.6	7
60	Gene Amplification-Associated Overexpression of the Selenoprotein tRNA Enzyme TRIT1 Confers Sensitivity to Arsenic Trioxide in Small-Cell Lung Cancer. Cancers, 2021, 13, 1869.	1.7	6
61	Use of patient derived orthotopic xenograft models for real-time therapy guidance in a pediatric sporadic malignant peripheral nerve sheath tumor. Therapeutic Advances in Medical Oncology, 2020, 12, 175883592092957.	1.4	5
62	Extramedullary multiple myeloma patient derived orthotopic xenograft with high disturbed genome: combined exhaustive molecular and therapeutic studies. DMM Disease Models and Mechanisms, 2021, 14, .	1.2	5
63	MEK and MCL-1 sequential inhibition synergize to enhance rhabdomyosarcoma treatment. Cell Death Discovery, 2022, 8, 172.	2.0	4
64	Focused transhepatic electroporation mediated by hypersaline infusion through the portal vein in rat model. Preliminary results on differential conductivity. Radiology and Oncology, 2017, 51, 415-421.	0.6	3
65	Insights into cisplatin-induced neurotoxicity and mitochondrial dysfunction in <i>Caenorhabditis elegans</i>. DMM Disease Models and Mechanisms, 2022, , .	1.2	3
66	Activation of the Unfolded Protein Response (UPR) Is Associated with Cholangiocellular Injury, Fibrosis and Carcinogenesis in an Experimental Model of Fibropolycystic Liver Disease. Cancers, 2022, 14, 78.	1.7	3
67	Combination of chemotherapy with BRAF inhibitors results in effective eradication of malignant melanoma by preventing ATM-dependent DNA repair. Oncogene, 2021, 40, 5042-5048.	2.6	2
68	A High-Throughput Screening Platform Identifies Novel Combination Treatments for Malignant Peripheral Nerve Sheath Tumors. Molecular Cancer Therapeutics, 2022, 21, 1246-1258.	1.9	2
69	Abstract 3277: SWI/SNF inactivation vulnerability. Cancer Research, 2022, 82, 3277-3277.	0.4	0