

# Alberto Villanueva

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

6,180  
citations

147801  
31  
h-index

95266  
68  
g-index

72  
all docs

72  
docs citations

72  
times ranked

13634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into cisplatin-induced neurotoxicity and mitochondrial dysfunction in <i>Caenorhabditis elegans</i> . DMM Disease Models and Mechanisms, 2022, , .	2.4	3
2	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.	8.6	17
3	Modeling iPSC-derived human neurofibroma-like tumors in mice uncovers the heterogeneity of Schwann cells within plexiform neurofibromas. Cell Reports, 2022, 38, 110385.	6.4	19
4	MEK and MCL-1 sequential inhibition synergize to enhance rhabdomyosarcoma treatment. Cell Death Discovery, 2022, 8, 172.	4.7	4
5	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.	3.7	3
6	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.	13.2	46
7	A High-Throughput Screening Platform Identifies Novel Combination Treatments for Malignant Peripheral Nerve Sheath Tumors. Molecular Cancer Therapeutics, 2022, 21, 1246-1258.	4.1	2
8	p53 wild-type colorectal cancer cells that express a fetal gene signature are associated with metastasis and poor prognosis. Nature Communications, 2022, 13, .	12.8	17
9	Abstract 3277: SWI/SNF inactivation vulnerability. Cancer Research, 2022, 82, 3277-3277.	0.9	0
10	Epigenetic loss of m1A RNA demethylase ALKBH3 in Hodgkin lymphoma targets collagen, conferring poor clinical outcome. Blood, 2021, 137, 994-999.	1.4	30
11	Gene Amplification-Associated Overexpression of the Selenoprotein tRNA Enzyme TRIT1 Confers Sensitivity to Arsenic Trioxide in Small-Cell Lung Cancer. Cancers, 2021, 13, 1869.	3.7	6
12	Extramedullary multiple myeloma patient derived orthotopic xenograft with high disturbed genome: combined exhaustive molecular and therapeutic studies. DMM Disease Models and Mechanisms, 2021, 14, .	2.4	5
13	Chromosomal translocations inactivating CDKN2A support a single path for malignant peripheral nerve sheath tumor initiation. Human Genetics, 2021, 140, 1241-1252.	3.8	12
14	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.	4.1	9
15	Combination of chemotherapy with BRAF inhibitors results in effective eradication of malignant melanoma by preventing ATM-dependent DNA repair. Oncogene, 2021, 40, 5042-5048.	5.9	2
16	SMARCA4 deficient tumours are vulnerable to KDM6A/UTX and KDM6B/JMJD3 blockade. Nature Communications, 2021, 12, 4319.	12.8	22
17	Efficacy of CDK4/6 inhibitors in preclinical models of malignant pleural mesothelioma. British Journal of Cancer, 2021, 125, 1365-1376.	6.4	8
18	Gene Expression Profiling as a Potential Tool for Precision Oncology in Non-Small Cell Lung Cancer. Cancers, 2021, 13, 4734.	3.7	13

#	ARTICLE	IF	CITATIONS
19	Epigenetic loss of the transfer RNA-modifying enzyme TYW2 induces ribosome frameshifts in colon cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20785-20793.	7.1	31
20	Use of patient derived orthotopic xenograft models for real-time therapy guidance in a pediatric sporadic malignant peripheral nerve sheath tumor. <i>Therapeutic Advances in Medical Oncology</i> , 2020, 12, 175883592092957.	3.2	5
21	Sequential combinations of chemotherapeutic agents with BH3 mimetics to treat rhabdomyosarcoma and avoid resistance. <i>Cell Death and Disease</i> , 2020, 11, 634.	6.3	17
22	Zonation of Ribosomal DNA Transcription Defines a Stem Cell Hierarchy in Colorectal Cancer. <i>Cell Stem Cell</i> , 2020, 26, 845-861.e12.	11.1	59
23	Multiple low dose therapy as an effective strategy to treat EGFR inhibitor-resistant NSCLC tumours. <i>Nature Communications</i> , 2020, 11, 3157.	12.8	59
24	Tumors defective in homologous recombination rely on oxidative metabolism: relevance to treatments with <i>PARP</i> inhibitors. <i>EMBO Molecular Medicine</i> , 2020, 12, e11217.	6.9	37
25	Requirement for epithelial p38 $\beta$ in KRAS-driven lung tumor progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2588-2596.	7.1	16
26	Epigenetic footprint enables molecular risk stratification of hepatoblastoma with clinical implications. <i>Journal of Hepatology</i> , 2020, 73, 328-341.	3.7	82
27	Inhibition of DDR1 enhances in vivo chemosensitivity in KRAS-mutant lung adenocarcinoma. <i>JCI Insight</i> , 2020, 5, .	5.0	16
28	Epigenetic inactivation of the splicing RNA-binding protein CELF2 in human breast cancer. <i>Oncogene</i> , 2019, 38, 7106-7112.	5.9	48
29	Epigenetic loss of RNA-methyltransferase NSUN5 in glioma targets ribosomes to drive a stress adaptive translational program. <i>Acta Neuropathologica</i> , 2019, 138, 1053-1074.	7.7	106
30	IKK $\beta$ Kinase Regulates the DNA Damage Response and Drives Chemo-resistance in Cancer. <i>Molecular Cell</i> , 2019, 75, 669-682.e5.	9.7	56
31	Noncanonical TGF $\beta$ 2 Pathway Relieves the Blockade of IL1 $\beta$ /TGF $\beta$ 2-Mediated Crosstalk between Tumor and Stroma: TGFBR1 and TAK1 Inhibition in Colorectal Cancer. <i>Clinical Cancer Research</i> , 2019, 25, 4466-4479.	7.0	32
32	Intratumor Adoptive Transfer of IL-12 mRNA Transiently Engineered Antitumor CD8+ T Cells. <i>Cancer Cell</i> , 2019, 36, 613-629.e7.	16.8	99
33	Epigenetic loss of the endoplasmic reticulum-associated degradation inhibitor SVIP induces cancer cell metabolic reprogramming. <i>JCI Insight</i> , 2019, 4, .	5.0	14
34	Orthoxenografts of Testicular Germ Cell Tumors Demonstrate Genomic Changes Associated with Cisplatin Resistance and Identify PDMP as a Resensitizing Agent. <i>Clinical Cancer Research</i> , 2018, 24, 3755-3766.	7.0	17
35	Genetic and cellular sensitivity of <i>Caenorhabditis elegans</i> to the chemotherapeutic agent cisplatin. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	13
36	Patient-Derived Xenograft Models for Endometrial Cancer Research. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2431.	4.1	32

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37	The atypical cyclin CNTD2 promotes colon cancer cell proliferation and migration. Scientific Reports, 2018, 8, 11797.	3.3	9
38	<i>In vitro</i> and <i>in vivo</i> activity of a new small-molecule inhibitor of HDAC6 in mantle cell lymphoma. Haematologica, 2018, 103, e537-e540.	3.5	15
39	TET2 controls chemoresistant slow-cycling cancer cell survival and tumor recurrence. Journal of Clinical Investigation, 2018, 128, 3887-3905.	8.2	79
40	Interrogating open issues in cancer precision medicine with patient-derived xenografts. Nature Reviews Cancer, 2017, 17, 254-268.	28.4	527
41	Autophagy orchestrates adaptive responses to targeted therapy in endometrial cancer. Autophagy, 2017, 13, 608-624.	9.1	65
42	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.	4.1	24
43	Genomic Profiling of Patient-Derived Xenografts for Lung Cancer Identifies B2M Inactivation Impairing Immunorecognition. Clinical Cancer Research, 2017, 23, 3203-3213.	7.0	66
44	Genomic Profiling of Patient-Derived Xenografts for Lung Cancer Identifies B2M Inactivation Impairing Immunorecognition. Clinical Cancer Research, 2017, 23, 3203-3213.	7.0	66
45	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.	1.7	3
46	TGF $\beta$ 2 Controls Ovarian Cancer Cell Proliferation. International Journal of Molecular Sciences, 2017, 18, 1658.	4.1	26
47	Radioresistance of mesenchymal glioblastoma initiating cells correlates with patient outcome and is associated with activation of inflammatory program. Oncotarget, 2017, 8, 73640-73653.	1.8	33
48	Carcinoma-associated fibroblasts affect sensitivity to oxaliplatin and 5FU in colorectal cancer cells. Oncotarget, 2016, 7, 59766-59780.	1.8	42
49	The TGF $\beta$ 2 pathway stimulates ovarian cancer cell proliferation by increasing IGF1R levels. International Journal of Cancer, 2016, 139, 1894-1903.	5.1	53
50	A Vulnerability of a Subset of Colon Cancers with Potential Clinical Utility. Cell, 2016, 165, 317-330.	28.9	70
51	Cancer network activity associated with therapeutic response and synergism. Genome Medicine, 2016, 8, 88.	8.2	7
52	KRAS-driven lung adenocarcinoma: combined DDR1/Notch inhibition as an effective therapy. ESMO Open, 2016, 1, e000076.	4.5	19
53	Combined inhibition of DDR1 and Notch signaling is a therapeutic strategy for KRAS-driven lung adenocarcinoma. Nature Medicine, 2016, 22, 270-277.	30.7	150
54	Epigenetic activation of a cryptic TBC1D16 transcript enhances melanoma progression by targeting EGFR. Nature Medicine, 2015, 21, 741-750.	30.7	107

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55	Germline Mutations in FAN1 Cause Hereditary Colorectal Cancer by Impairing DNA Repair. <i>Gastroenterology</i> , 2015, 149, 563-566.	1.3	94
56	BRAF-induced tumorigenesis is IKK $\alpha$ -dependent but NF- $\kappa$ B-independent. <i>Science Signaling</i> , 2015, 8, ra38.	3.6	29
57	Head-to-head antisense transcription and R-loop formation promotes transcriptional activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5785-5790.	7.1	194
58	PARD3 Inactivation in Lung Squamous Cell Carcinomas Impairs STAT3 and Promotes Malignant Invasion. <i>Cancer Research</i> , 2015, 75, 1287-1297.	0.9	44
59	A 5-gene classifier from the carcinoma-associated fibroblast transcriptomic profile and clinical outcome in colorectal cancer. <i>Oncotarget</i> , 2014, 5, 6437-6452.	1.8	30
60	A DERL3-associated defect in the degradation of SLC2A1 mediates the Warburg effect. <i>Nature Communications</i> , 2014, 5, 3608.	12.8	94
61	Differences between CAFs and their paired NCF from adjacent colonic mucosa reveal functional heterogeneity of CAFs, providing prognostic information. <i>Molecular Oncology</i> , 2014, 8, 1290-1305.	4.6	98
62	Cancer Exosomes Perform Cell-Independent MicroRNA Biogenesis and Promote Tumorigenesis. <i>Cancer Cell</i> , 2014, 26, 707-721.	16.8	1,293
63	Modeling Lung Cancer Evolution and Preclinical Response by Orthotopic Mouse Allografts. <i>Cancer Research</i> , 2014, 74, 5978-5988.	0.9	30
64	Patient-Derived Xenograft Models: An Emerging Platform for Translational Cancer Research. <i>Cancer Discovery</i> , 2014, 4, 998-1013.	9.4	1,341
65	MAX Inactivation in Small Cell Lung Cancer Disrupts MYC-SWI/SNF Programs and Is Synthetic Lethal with BRG1. <i>Cancer Discovery</i> , 2014, 4, 292-303.	9.4	153
66	Basic & Caenorhabditis elegans; Methods: Synchronization and Observation. <i>Journal of Visualized Experiments</i> , 2012, , e4019.	0.3	265
67	Lurbinectedin (PM01183), a New DNA Minor Groove Binder, Inhibits Growth of Orthotopic Primary Graft of Cisplatin-Resistant Epithelial Ovarian Cancer. <i>Clinical Cancer Research</i> , 2012, 18, 5399-5411.	7.0	86
68	A Truncated Form of IKK $\alpha$ Is Responsible for Specific Nuclear IKK Activity in Colorectal Cancer. <i>Cell Reports</i> , 2012, 2, 840-854.	6.4	41
69	The tumour suppressor and chromatin remodelling factor BRG1 antagonizes Myc activity and promotes cell differentiation in human cancer. <i>EMBO Molecular Medicine</i> , 2012, 4, 603-616.	6.9	70