

# Alberto Villanueva

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

6,180  
citations

147566

31  
h-index

95083

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> . <i>DMM Disease Models and Mechanisms</i> , 2022, , .	1.2	3
2	Zebrafish patient-derived xenograft models predict lymph node involvement and treatment outcome in non-small cell lung cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, 58.	3.5	17
3	Modeling iPSC-derived human neurofibroma-like tumors in mice uncovers the heterogeneity of Schwann cells within plexiform neurofibromas. <i>Cell Reports</i> , 2022, 38, 110385.	2.9	19
4	MEK and MCL-1 sequential inhibition synergize to enhance rhabdomyosarcoma treatment. <i>Cell Death Discovery</i> , 2022, 8, 172.	2.0	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. <i>Cancers</i> , 2022, 14, 78.	1.7	3
6	Functional patient-derived organoid screenings identify MCLA-158 as a therapeutic EGFR $\tilde{\text{A}}$ -LGR5 bispecific antibody with efficacy in epithelial tumors. <i>Nature Cancer</i> , 2022, 3, 418-436.	5.7	46
7	A High-Throughput Screening Platform Identifies Novel Combination Treatments for Malignant Peripheral Nerve Sheath Tumors. <i>Molecular Cancer Therapeutics</i> , 2022, 21, 1246-1258.	1.9	2
8	p53 wild-type colorectal cancer cells that express a fetal gene signature are associated with metastasis and poor prognosis. <i>Nature Communications</i> , 2022, 13, .	5.8	17
9	Abstract 3277: SWI/SNF inactivation vulnerability. <i>Cancer Research</i> , 2022, 82, 3277-3277.	0.4	0
10	Epigenetic loss of m1A RNA demethylase ALKBH3 in Hodgkin lymphoma targets collagen, conferring poor clinical outcome. <i>Blood</i> , 2021, 137, 994-999.	0.6	30
11	Gene Amplification-Associated Overexpression of the Selenoprotein tRNA Enzyme TRIT1 Confers Sensitivity to Arsenic Trioxide in Small-Cell Lung Cancer. <i>Cancers</i> , 2021, 13, 1869.	1.7	6
12	Extramedullary multiple myeloma patient derived orthotopic xenograft with high disturbed genome: combined exhaustive molecular and therapeutic studies. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	5
13	Chromosomal translocations inactivating CDKN2A support a single path for malignant peripheral nerve sheath tumor initiation. <i>Human Genetics</i> , 2021, 140, 1241-1252.	1.8	12
14	The Blockade of Tumoral IL1 $\beta$ -Mediated Signaling in Normal Colonic Fibroblasts Sensitizes Tumor Cells to Chemotherapy and Prevents Inflammatory CAF Activation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4960.	1.8	9
15	Combination of chemotherapy with BRAF inhibitors results in effective eradication of malignant melanoma by preventing ATM-dependent DNA repair. <i>Oncogene</i> , 2021, 40, 5042-5048.	2.6	2
16	SMARCA4 deficient tumours are vulnerable to KDM6A/UTX and KDM6B/JMJD3 blockade. <i>Nature Communications</i> , 2021, 12, 4319.	5.8	22
17	Efficacy of CDK4/6 inhibitors in preclinical models of malignant pleural mesothelioma. <i>British Journal of Cancer</i> , 2021, 125, 1365-1376.	2.9	8
18	Gene Expression Profiling as a Potential Tool for Precision Oncology in Non-Small Cell Lung Cancer. <i>Cancers</i> , 2021, 13, 4734.	1.7	13

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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.	3.3	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.	1.4	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.	2.7	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.	5.2	59
23	Multiple low dose therapy as an effective strategy to treat EGFR inhibitor-resistant NSCLC tumours. <i>Nature Communications</i> , 2020, 11, 3157.	5.8	59
24	Tumors defective in homologous recombination rely on oxidative metabolism: relevance to treatments with PARP inhibitors. <i>EMBO Molecular Medicine</i> , 2020, 12, e11217.	3.3	37
25	Requirement for epithelial p38 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.	3.3	16
26	Epigenetic footprint enables molecular risk stratification of hepatoblastoma with clinical implications. <i>Journal of Hepatology</i> , 2020, 73, 328-341.	1.8	82
27	Inhibition of DDR1 enhances in vivo chemosensitivity in KRAS-mutant lung adenocarcinoma. <i>JCI Insight</i> , 2020, 5, .	2.3	16
28	Epigenetic inactivation of the splicing RNA-binding protein CELF2 in human breast cancer. <i>Oncogene</i> , 2019, 38, 7106-7112.	2.6	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.	3.9	106
30	IKK Kinase Regulates the DNA Damage Response and Drives Chemo-resistance in Cancer. <i>Molecular Cell</i> , 2019, 75, 669-682.e5.	4.5	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.	3.2	32
32	Intratumor Adoptive Transfer of IL-12 mRNA Transiently Engineered Antitumor CD8+ T Cells. <i>Cancer Cell</i> , 2019, 36, 613-629.e7.	7.7	99
33	Epigenetic loss of the endoplasmic reticulum-associated degradation inhibitor SVIP induces cancer cell metabolic reprogramming. <i>JCI Insight</i> , 2019, 4, .	2.3	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.	3.2	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, .	1.2	13
36	Patient-Derived Xenograft Models for Endometrial Cancer Research. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2431.	1.8	32

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37	The atypical cyclin CNTD2 promotes colon cancer cell proliferation and migration. <i>Scientific Reports</i> , 2018, 8, 11797.	1.6	9
38	<i>In vitro</i> and <i>in vivo</i> activity of a new small-molecule inhibitor of HDAC6 in mantle cell lymphoma. <i>Haematologica</i> , 2018, 103, e537-e540.	1.7	15
39	TET2 controls chemoresistant slow-cycling cancer cell survival and tumor recurrence. <i>Journal of Clinical Investigation</i> , 2018, 128, 3887-3905.	3.9	79
40	Interrogating open issues in cancer precision medicine with patient-derived xenografts. <i>Nature Reviews Cancer</i> , 2017, 17, 254-268.	12.8	527
41	Autophagy orchestrates adaptive responses to targeted therapy in endometrial cancer. <i>Autophagy</i> , 2017, 13, 608-624.	4.3	65
42	Novel Indole-based Tambjamine-Analogues Induce Apoptotic Lung Cancer Cell Death through p38 Mitogen-Activated Protein Kinase Activation. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 1224-1235.	1.9	24
43	Genomic Profiling of Patient-Derived Xenografts for Lung Cancer Identifies <i>B2M</i> Inactivation Impairing Immunorecognition. <i>Clinical Cancer Research</i> , 2017, 23, 3203-3213.	3.2	66
44	Genomic Profiling of Patient-Derived Xenografts for Lung Cancer Identifies <i>B2M</i> Inactivation Impairing Immunorecognition. <i>Clinical Cancer Research</i> , 2017, 23, 3203-3213.	3.2	66
45	Focused transhepatic electroporation mediated by hypersaline infusion through the portal vein in rat model. Preliminary results on differential conductivity. <i>Radiology and Oncology</i> , 2017, 51, 415-421.	0.6	3
46	TGF $\beta$ 2 Controls Ovarian Cancer Cell Proliferation. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1658.	1.8	26
47	Radioresistance of mesenchymal glioblastoma initiating cells correlates with patient outcome and is associated with activation of inflammatory program. <i>Oncotarget</i> , 2017, 8, 73640-73653.	0.8	33
48	Carcinoma-associated fibroblasts affect sensitivity to oxaliplatin and 5FU in colorectal cancer cells. <i>Oncotarget</i> , 2016, 7, 59766-59780.	0.8	42
49	The TGF $\beta$ 2 pathway stimulates ovarian cancer cell proliferation by increasing IGF1R levels. <i>International Journal of Cancer</i> , 2016, 139, 1894-1903.	2.3	53
50	A Vulnerability of a Subset of Colon Cancers with Potential Clinical Utility. <i>Cell</i> , 2016, 165, 317-330.	13.5	70
51	Cancer network activity associated with therapeutic response and synergism. <i>Genome Medicine</i> , 2016, 8, 88.	3.6	7
52	KRAS-driven lung adenocarcinoma: combined DDR1/Notch inhibition as an effective therapy. <i>ESMO Open</i> , 2016, 1, e000076.	2.0	19
53	Combined inhibition of DDR1 and Notch signaling is a therapeutic strategy for KRAS-driven lung adenocarcinoma. <i>Nature Medicine</i> , 2016, 22, 270-277.	15.2	150
54	Epigenetic activation of a cryptic TBC1D16 transcript enhances melanoma progression by targeting EGFR. <i>Nature Medicine</i> , 2015, 21, 741-750.	15.2	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.	0.6	94
56	BRAF-induced tumorigenesis is IKK $\kappa$ -dependent but NF- $\kappa$ B-independent. <i>Science Signaling</i> , 2015, 8, ra38.	1.6	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.	3.3	194
58	<i>PARD3</i> Inactivation in Lung Squamous Cell Carcinomas Impairs STAT3 and Promotes Malignant Invasion. <i>Cancer Research</i> , 2015, 75, 1287-1297.	0.4	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.	0.8	30
60	A DERL3-associated defect in the degradation of SLC2A1 mediates the Warburg effect. <i>Nature Communications</i> , 2014, 5, 3608.	5.8	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.	2.1	98
62	Cancer Exosomes Perform Cell-Independent MicroRNA Biogenesis and Promote Tumorigenesis. <i>Cancer Cell</i> , 2014, 26, 707-721.	7.7	1,293
63	Modeling Lung Cancer Evolution and Preclinical Response by Orthotopic Mouse Allografts. <i>Cancer Research</i> , 2014, 74, 5978-5988.	0.4	30
64	Patient-Derived Xenograft Models: An Emerging Platform for Translational Cancer Research. <i>Cancer Discovery</i> , 2014, 4, 998-1013.	7.7	1,341
65	<i>MAX</i> 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.	7.7	153
66	Basic & Caenorhabditis elegans; Methods: Synchronization and Observation. <i>Journal of Visualized Experiments</i> , 2012, , e4019.	0.2	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.	3.2	86
68	A Truncated Form of IKK $\kappa$ Is Responsible for Specific Nuclear IKK Activity in Colorectal Cancer. <i>Cell Reports</i> , 2012, 2, 840-854.	2.9	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.	3.3	70