

Guillermo Velasco

List of Publications by Year in descending order

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112
papers

17,790
citations

36691

53
h-index

31191

106
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116
all docs

116
docs citations

116
times ranked

30737
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	Autophagy in malignant transformation and cancer progression. <i>EMBO Journal</i> , 2015, 34, 856-880.	3.5	1,012
4	Cannabinoid action induces autophagy-mediated cell death through stimulation of ER stress in human glioma cells. <i>Journal of Clinical Investigation</i> , 2009, 119, 1359-1372.	3.9	585
5	Cannabinoid CB2 receptor: a new target for controlling neural cell survival?. <i>Trends in Pharmacological Sciences</i> , 2007, 28, 39-45.	4.0	331
6	Towards the use of cannabinoids as antitumour agents. <i>Nature Reviews Cancer</i> , 2012, 12, 436-444.	12.8	303
7	Cannabinoids Induce Apoptosis of Pancreatic Tumor Cells via Endoplasmic Reticulum Stress-Related Genes. <i>Cancer Research</i> , 2006, 66, 6748-6755.	0.4	302
8	The stress-regulated protein p8 mediates cannabinoid-induced apoptosis of tumor cells. <i>Cancer Cell</i> , 2006, 9, 301-312.	7.7	299
9	Inhibition of glioma growth in vivo by selective activation of the CB(2) cannabinoid receptor. <i>Cancer Research</i> , 2001, 61, 5784-9.	0.4	298
10	A pilot clinical study of δ^9 -tetrahydrocannabinol in patients with recurrent glioblastoma multiforme. <i>British Journal of Cancer</i> , 2006, 95, 197-203.	2.9	287
11	Linking ER Stress to Autophagy: Potential Implications for Cancer Therapy. <i>International Journal of Cell Biology</i> , 2010, 2010, 1-19.	1.0	281
12	Cannabinoid receptors as novel targets for the treatment of melanoma. <i>FASEB Journal</i> , 2006, 20, 2633-2635.	0.2	244
13	A Combined Preclinical Therapy of Cannabinoids and Temozolomide against Glioma. <i>Molecular Cancer Therapeutics</i> , 2011, 10, 90-103.	1.9	238
14	Anti-tumoral action of cannabinoids on hepatocellular carcinoma: role of AMPK-dependent activation of autophagy. <i>Cell Death and Differentiation</i> , 2011, 18, 1099-1111.	5.0	224
15	AMPK and PFKFB3 mediate glycolysis and survival in response to mitophagy during mitotic arrest. <i>Nature Cell Biology</i> , 2015, 17, 1304-1316.	4.6	223
16	The CB1 cannabinoid receptor is coupled to the activation of protein kinase B/Akt. <i>Biochemical Journal</i> , 2000, 347, 369-373.	1.7	215
17	AMBRA1 links autophagy to cell proliferation and tumorigenesis by promoting c-Myc dephosphorylation and degradation. <i>Nature Cell Biology</i> , 2015, 17, 20-30.	4.6	200
18	Anticancer Mechanisms of Cannabinoids. <i>Current Oncology</i> , 2016, 23, 23-32.	0.9	192

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19	Phosphorylation of the regulatory subunit of smooth muscle protein phosphatase 1M at Thr850 induces its dissociation from myosin. <i>FEBS Letters</i> , 2002, 527, 101-104.	1.3	183
20	The metabolic co-regulator PGC1 α suppresses prostate cancer metastasis. <i>Nature Cell Biology</i> , 2016, 18, 645-656.	4.6	176
21	Mechanism of Extracellular Signal-Regulated Kinase Activation by the CB1 Cannabinoid Receptor. <i>Molecular Pharmacology</i> , 2002, 62, 1385-1392.	1.0	173
22	The CB1 cannabinoid receptor is coupled to the activation of protein kinase B/Akt. <i>Biochemical Journal</i> , 2000, 347, 369.	1.7	162
23	Cannabinoids Inhibit Glioma Cell Invasion by Down-regulating Matrix Metalloproteinase-2 Expression. <i>Cancer Research</i> , 2008, 68, 1945-1952.	0.4	161
24	The orphan G protein-coupled receptor GPR55 promotes cancer cell proliferation via ERK. <i>Oncogene</i> , 2011, 30, 245-252.	2.6	160
25	The AMP-activated protein kinase prevents ceramide synthesis de novo and apoptosis in astrocytes. <i>FEBS Letters</i> , 2001, 489, 149-153.	1.3	154
26	De novo-synthesized ceramide is involved in cannabinoid-induced apoptosis. <i>Biochemical Journal</i> , 2002, 363, 183.	1.7	145
27	Cannabinoids Protect Astrocytes from Ceramide-induced Apoptosis through the Phosphatidylinositol 3-Kinase/Protein Kinase B Pathway. <i>Journal of Biological Chemistry</i> , 2002, 277, 36527-36533.	1.6	145
28	De novo-synthesized ceramide is involved in cannabinoid-induced apoptosis. <i>Biochemical Journal</i> , 2002, 363, 183-188.	1.7	144
29	The use of cannabinoids as anticancer agents. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016, 64, 259-266.	2.5	130
30	Exploiting Cannabinoid-Induced Cytotoxic Autophagy to Drive Melanoma Cell Death. <i>Journal of Investigative Dermatology</i> , 2015, 135, 1629-1637.	0.3	126
31	Dihydroceramide accumulation mediates cytotoxic autophagy of cancer cells via autolysosome destabilization. <i>Autophagy</i> , 2016, 12, 2213-2229.	4.3	118
32	Cannabinoids Induce Glioma Stem-like Cell Differentiation and Inhibit Gliomagenesis. <i>Journal of Biological Chemistry</i> , 2007, 282, 6854-6862.	1.6	116
33	Control of Hepatic Fatty Acid Oxidation by 5 α -AMP-Activated Protein Kinase Involves a Malonyl-CoA-Dependent and a Malonyl-CoA-Independent Mechanism. <i>Archives of Biochemistry and Biophysics</i> , 1997, 337, 169-175.	1.4	110
34	The TP53INP2 Protein Is Required for Autophagy in Mammalian Cells. <i>Molecular Biology of the Cell</i> , 2009, 20, 870-881.	0.9	107
35	Role of Carnitine Palmitoyltransferase I in the Control of Ketogenesis in Primary Cultures of Rat Astrocytes. <i>Journal of Neurochemistry</i> , 1998, 71, 1597-1606.	2.1	88
36	Endocannabinoids: A New Family of Lipid Mediators Involved in the Regulation of Neural Cell Development. <i>Current Pharmaceutical Design</i> , 2006, 12, 2319-2325.	0.9	86

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37	The CB2 cannabinoid receptor signals apoptosis via ceramide-dependent activation of the mitochondrial intrinsic pathway. <i>Experimental Cell Research</i> , 2006, 312, 2121-2131.	1.2	84
38	Cannabinoids and Gliomas. <i>Molecular Neurobiology</i> , 2007, 36, 60-67.	1.9	82
39	AMBRA1 regulates cyclin D to guard S-phase entry and genomic integrity. <i>Nature</i> , 2021, 592, 799-803.	13.7	78
40	Stimulation of the midkine/ALK axis renders glioma cells resistant to cannabinoid antitumoral action. <i>Cell Death and Differentiation</i> , 2011, 18, 959-973.	5.0	76
41	Local Delivery of Cannabinoid-Loaded Microparticles Inhibits Tumor Growth in a Murine Xenograft Model of Glioblastoma Multiforme. <i>PLoS ONE</i> , 2013, 8, e54795.	1.1	76
42	Targeting Glioma Initiating Cells with A combined therapy of cannabinoids and temozolomide. <i>Biochemical Pharmacology</i> , 2018, 157, 266-274.	2.0	75
43	The anti-cancer drug ABTL0812 induces ER stress-mediated cytotoxic autophagy by increasing dihydroceramide levels in cancer cells. <i>Autophagy</i> , 2021, 17, 1349-1366.	4.3	72
44	p38 MAPK is involved in CB2receptor-induced apoptosis of human leukaemia cells. <i>FEBS Letters</i> , 2005, 579, 5084-5088.	1.3	71
45	Hypothesis: cannabinoid therapy for the treatment of gliomas?. <i>Neuropharmacology</i> , 2004, 47, 315-323.	2.0	70
46	Loss of Tribbles pseudokinase-3 promotes Akt-driven tumorigenesis via FOXO inactivation. <i>Cell Death and Differentiation</i> , 2015, 22, 131-144.	5.0	70
47	Cannabinoids and ceramide: Two lipids acting hand-by-hand. <i>Life Sciences</i> , 2005, 77, 1723-1731.	2.0	69
48	TRB3 links ER stress to autophagy in cannabinoid antitumoral action. <i>Autophagy</i> , 2009, 5, 1048-1049.	4.3	68
49	Human Atg8-cardiolipin interactions in mitophagy: Specific properties of LC3B, GABARAPL2 and GABARAP. <i>Autophagy</i> , 2016, 12, 2386-2403.	4.3	67
50	The CB2 cannabinoid receptor regulates human sperm cell motility. <i>Fertility and Sterility</i> , 2010, 93, 1378-1387.	0.5	64
51	Nupr1-Aurora Kinase A Pathway Provides Protection against Metabolic Stress-Mediated Autophagic-Associated Cell Death. <i>Clinical Cancer Research</i> , 2012, 18, 5234-5246.	3.2	63
52	The New Antitumor Drug ABTL0812 Inhibits the Akt/mTORC1 Axis by Upregulating Tribbles-3 Pseudokinase. <i>Clinical Cancer Research</i> , 2016, 22, 2508-2519.	3.2	58
53	Ceramide sensitizes astrocytes to oxidative stress: protective role of cannabinoids. <i>Biochemical Journal</i> , 2004, 380, 435-440.	1.7	54
54	The antidepressant sertraline downregulates Akt and has activity against melanoma cells. <i>Pigment Cell and Melanoma Research</i> , 2008, 21, 451-456.	1.5	54

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55	Cannabinoid receptor 1 is a potential drug target for treatment of translocation-positive rhabdomyosarcoma. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 1838-1845.	1.9	46
56	The pseudokinase tribbles homologue-3 plays a crucial role in cannabinoid anticancer action. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 1573-1578.	1.2	46
57	Down-regulation of tissue inhibitor of metalloproteinases-1 in gliomas: a new marker of cannabinoid antitumoral activity?. <i>Neuropharmacology</i> , 2008, 54, 235-243.	2.0	45
58	Endocannabinoids and Cancer. <i>Handbook of Experimental Pharmacology</i> , 2015, 231, 449-472.	0.9	45
59	Optimization of a preclinical therapy of cannabinoids in combination with temozolomide against glioma. <i>Biochemical Pharmacology</i> , 2018, 157, 275-284.	2.0	44
60	Evidence that the AMP-activated protein kinase stimulates rat liver carnitine palmitoyltransferase I by phosphorylating cytoskeletal components. <i>FEBS Letters</i> , 1998, 439, 317-320.	1.3	40
61	Competition between members of the tribbles pseudokinase protein family shapes their interactions with mitogen activated protein kinase pathways. <i>Scientific Reports</i> , 2016, 6, 32667.	1.6	40
62	Malonyl-CoA-independent Acute Control of Hepatic Carnitine Palmitoyltransferase I Activity. <i>Journal of Biological Chemistry</i> , 1998, 273, 21497-21504.	1.6	38
63	Amphiregulin is a factor for resistance of glioma cells to cannabinoid-induced apoptosis. <i>Glia</i> , 2009, 57, 1374-1385.	2.5	37
64	Gene expression changes associated with erlotinib response in glioma cell lines. <i>European Journal of Cancer</i> , 2013, 49, 1641-1653.	1.3	35
65	δ^9 -Tetrahydrocannabinol stimulates glucose utilization in C6 glioma cells. <i>Brain Research</i> , 1997, 767, 64-71.	1.1	33
66	Inhibiting SUMO1-mediated SUMOylation induces autophagy-mediated cancer cell death and reduces tumour cell invasion via RAC1. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	29
67	Stimulation of ALK by the growth factor midkine renders glioma cells resistant to autophagy-mediated cell death. <i>Autophagy</i> , 2011, 7, 1071-1073.	4.3	27
68	Genomic and Functional Regulation of TRIB1 Contributes to Prostate Cancer Pathogenesis. <i>Cancers</i> , 2020, 12, 2593.	1.7	26
69	Midkine signaling maintains the self-renewal and tumorigenic capacity of glioma initiating cells. <i>Theranostics</i> , 2020, 10, 5120-5136.	4.6	26
70	Detecting Autophagy in Response to ER Stress Signals in Cancer. <i>Methods in Enzymology</i> , 2011, 489, 297-317.	0.4	24
71	NUPR1 works against the metabolic stress-induced autophagy-associated cell death in pancreatic cancer cells. <i>Autophagy</i> , 2013, 9, 95-97.	4.3	22
72	Inhibition of carnitine palmitoyltransferase I by hepatocyte swelling. <i>FEBS Letters</i> , 1994, 344, 239-241.	1.3	21

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73	Are Cytoskeletal Components Involved in the Control of Hepatic Carnitine Palmitoyltransferase I Activity?. <i>Biochemical and Biophysical Research Communications</i> , 1996, 224, 754-759.	1.0	21
74	Studies on the Intracellular Localization of Acetyl-CoA Carboxylase. <i>Biochemical and Biophysical Research Communications</i> , 1997, 233, 253-257.	1.0	21
75	p8 Upregulation sensitizes astrocytes to oxidative stress. <i>FEBS Letters</i> , 2006, 580, 1571-1575.	1.3	20
76	Oncosuppressive functions of tribbles pseudokinase 3. <i>Biochemical Society Transactions</i> , 2015, 43, 1122-1126.	1.6	20
77	Genetic manipulation of LKB1 elicits lethal metastatic prostate cancer. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	19
78	Effects of anandamide on hepatic fatty acid metabolism. <i>Biochemical Pharmacology</i> , 1995, 50, 885-888.	2.0	18
79	Involvement of Ca ²⁺ /calmodulin-dependent protein kinase II in the activation of carnitine palmitoyltransferase I by okadaic acid in rat hepatocytes. <i>Biochemical Journal</i> , 1997, 321, 211-216.	1.7	18
80	Do Cytoskeletal Components Control Fatty Acid Translocation into Liver Mitochondria?. <i>Trends in Endocrinology and Metabolism</i> , 2000, 11, 49-53.	3.1	17
81	Hsp27 binding to the 3'UTR of <i>bim</i> mRNA prevents neuronal death during oxidative stress-induced injury: a novel cytoprotective mechanism. <i>Molecular Biology of the Cell</i> , 2014, 25, 3413-3423.	0.9	16
82	TRIB3 suppresses tumorigenesis by controlling mTORC2/AKT/FOXO signaling. <i>Molecular and Cellular Oncology</i> , 2015, 2, e980134.	0.3	16
83	Metabolic stimulation of mouse spleen lymphocytes by low doses of 9-tetrahydrocannabinol. <i>Life Sciences</i> , 1997, 60, 1709-1717.	2.0	15
84	Angiopoietin-1 enhances neutrophil chemotaxis in vitro and migration in vivo through interaction with CD18 and release of CCL4. <i>Scientific Reports</i> , 2017, 7, 2332.	1.6	13
85	Assessing Autophagy in Archived Tissue or How to Capture Autophagic Flux from a Tissue Snapshot. <i>Biology</i> , 2020, 9, 59.	1.3	12
86	The cannabinoid receptor CB1 contributes to the development of ectopic lesions in a mouse model of endometriosis. <i>Human Reproduction</i> , 2016, 32, 175-184.	0.4	11
87	Phase II Trial of Palbociclib in Recurrent Retinoblastoma-Positive Anaplastic Oligodendroglioma: A Study from the Spanish Group for Research in Neuro-Oncology (GEINO). <i>Targeted Oncology</i> , 2020, 15, 613-622.	1.7	11
88	Effects of extracellular ATP on hepatic fatty acid metabolism. <i>American Journal of Physiology - Renal Physiology</i> , 1996, 270, G701-G707.	1.6	9
89	Endoplasmic reticulum stressed by pollution. Focus on "Airborne particulate matter selectively activates endoplasmic reticulum stress response in the lung and liver tissues". <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C727-C728.	2.1	8
90	Safety and Efficacy of Crizotinib in Combination with Temozolomide and Radiotherapy in Patients with Newly Diagnosed Glioblastoma: Phase Ib GEINO 1402 Trial. <i>Cancers</i> , 2022, 14, 2393.	1.7	8

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91	Tribbles at the cross-roads . Biochemical Society Transactions, 2015, 43, 1049-1050.	1.6	7
92	mTOR Inhibition Leads to Src-Mediated EGFR Internalisation and Degradation in Glioma Cells. Cancers, 2020, 12, 2266.	1.7	7
93	Cancer Treatment: Preclinical & Clinical. Journal of the National Cancer Institute Monographs, 2021, 2021, 107-113.	0.9	7
94	The Pseudokinase TRIB3 Negatively Regulates the HER2 Receptor Pathway and Is a Biomarker of Good Prognosis in Luminal Breast Cancer. Cancers, 2021, 13, 5307.	1.7	7
95	Transcriptomic Mapping of Non-Small Cell Lung Cancer K-RAS p.G12C Mutated Tumors: Identification of Surfaceome Targets and Immunologic Correlates. Frontiers in Immunology, 2021, 12, 786069.	2.2	7
96	Possible Involvement of Cytoskeletal Components in the Control of Hepatic Carnitine Palmitoyltransferase I Activity. Advances in Experimental Medicine and Biology, 2002, 466, 43-52.	0.8	6
97	Loss of response of carnitine palmitoyltransferase I to okadaic acid in transformed hepatic cells. Biochemical Pharmacology, 1998, 56, 1485-1488.	2.0	4
98	Phosphorylation of FOXO Proteins as a Key Mechanism to Regulate Their Activity. Methods in Molecular Biology, 2019, 1890, 51-59.	0.4	3
99	TRANSAUTOPHAGY: European network for multidisciplinary research and translation of autophagy knowledge. Autophagy, 2016, 12, 614-617.	4.3	2
100	Corrigendum to "The use of cannabinoids as anticancer agents" [Prog. Neuro-Psychopharmacol. Biol. Psychiatry 64 (2016) 259-266]. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 74, 57.	2.5	2
101	477 Copy number alterations of glioma cell lines detected by array-based CGH show preferential loss of genetic material and no high-level EGFR amplification. European Journal of Cancer, Supplement, 2010, 8, 122.	2.2	1
102	GEINO 1402: A phase Ib dose-escalation study followed by an extension phase to evaluate safety and efficacy of crizotinib in combination with temozolomide (TMZ) and radiotherapy (RT) in patients with newly diagnosed glioblastoma (GB). Annals of Oncology, 2019, 30, v147.	0.6	1
103	Cannabinoids as Potential Antitumoral Agents in Pancreatic Cancer. , 2009, , 39-49.		1
104	GEINO 1402: A phase Ib dose-escalation study followed by an extension phase to evaluate safety and efficacy of crizotinib in combination with temozolomide (TMZ) and radiotherapy (RT) in patients with newly diagnosed glioblastoma (GB): Results of the dose-escalation phase.. Journal of Clinical Oncology, 2018, 36, 2054-2054.	0.8	1
105	Targeting Cannabinoid Receptors in Brain Tumors. , 2008, , 361-374.		1
106	356 The putative cannabinoid receptor GPR55 participates in the control of cancer cell proliferation. European Journal of Cancer, Supplement, 2010, 8, 91.	2.2	0
107	ER Stress As Modulator of Autophagy Pathways. , 2012, , 163-184.		0
108	The complex relationship of Tribbles pseudokinase 1, PML/RARA and C/EBPÎ in leukemia: two possible couples but not a trio. Haematologica, 2016, 101, 1129-1130.	1.7	0

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109	PANDEMIC: THE PHANTOM MENACE: LEARNING GENETIC ENGINEERING BY A GAME-BASED METHODOLOGY. , 2021, , .		0
110	Ceramide Signaling in Cannabinoid Action. Molecular Biology Intelligence Unit, 2002, , 125-132.	0.2	0
111	Cannabinoids. , 2015, , 777-782.		0
112	Cannabinoids. , 2015, , 1-5.		0