

# Consuelo Gajate

## List of Publications by Year in descending order

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84  
papers

5,527  
citations

66234

42  
h-index

85405

71  
g-index

84  
all docs

84  
docs citations

84  
times ranked

5177  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microtubules, microtubule-interfering agents and apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2003, 8, 413-450.	2.2	424
2	The antitumor ether lipid ET-18-OCH3 induces apoptosis through translocation and capping of Fas/CD95 into membrane rafts in human leukemic cells. Blood, 2001, 98, 3860-3863.	0.6	256
3	Edelfosine and perifosine induce selective apoptosis in multiple myeloma by recruitment of death receptors and downstream signaling molecules into lipid rafts. Blood, 2007, 109, 711-719.	0.6	256
4	Lipid rafts as major platforms for signaling regulation in cancer. Advances in Biological Regulation, 2015, 57, 130-146.	1.4	251
5	Intracellular Triggering of Fas Aggregation and Recruitment of Apoptotic Molecules into Fas-enriched Rafts in Selective Tumor Cell Apoptosis. Journal of Experimental Medicine, 2004, 200, 353-365.	4.2	195
6	Selective induction of apoptosis in cancer cells by the ether lipid ET-18-OCH3 (Edelfosine): molecular structure requirements, cellular uptake, and protection by Bcl-2 and Bcl-X(L). Cancer Research, 1997, 57, 1320-8.	0.4	165
7	Biological Activities, Mechanisms of Action and Biomedical Prospect of the Antitumor Ether Phospholipid ET-18-OCH3 (Edelfosine), A Proapoptotic Agent in Tumor Cells. Current Drug Metabolism, 2002, 3, 491-525.	0.7	158
8	Cytoskeleton-mediated Death Receptor and Ligand Concentration in Lipid Rafts Forms Apoptosis-promoting Clusters in Cancer Chemotherapy. Journal of Biological Chemistry, 2005, 280, 11641-11647.	1.6	157
9	Lipid rafts as signaling hubs in cancer cell survival/death and invasion: implications in tumor progression and therapy. Journal of Lipid Research, 2020, 61, 611-635.	2.0	150
10	Fas/CD95 death receptor and lipid rafts: New targets for apoptosis-directed cancer therapy. Drug Resistance Updates, 2006, 9, 51-73.	6.5	134
11	Intracellular triggering of Fas, independently of FasL, as a new mechanism of antitumor ether lipid-induced apoptosis. , 2000, 85, 674-682.		123
12	ET-18-OCH3 (Edelfosine): A Selective Antitumour Lipid Targeting Apoptosis Through Intracellular Activation of Fas / CD95 Death Receptor. Current Medicinal Chemistry, 2004, 11, 3163-3184.	1.2	113
13	Combinatorial SNARE Complexes Modulate the Secretion of Cytoplasmic Granules in Human Neutrophils. Journal of Immunology, 2006, 177, 2831-2841.	0.4	113
14	Lipid raft-targeted therapy in multiple myeloma. Oncogene, 2010, 29, 3748-3757.	2.6	105
15	Further Naphthylcombreastatins. An Investigation on the Role of the Naphthalene Moiety. Journal of Medicinal Chemistry, 2005, 48, 556-568.	2.9	101
16	Major co-localization of the extracellular-matrix degradative enzymes heparanase and gelatinase in tertiary granules of human neutrophils. Biochemical Journal, 1997, 327, 917-923.	1.7	99
17	Aplidin, a Marine Organismâ€‘Derived Compound with Potent Antimyeloma Activity <i>In vitro</i> and <i>In vivo</i>. Cancer Research, 2008, 68, 5216-5225.	0.4	98
18	Involvement of mitochondria and caspase-3 in ET-18-OCH3-induced apoptosis of human leukemic cells. , 2000, 86, 208-218.		93

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19	Involvement of Raft Aggregates Enriched in Fas/CD95 Death-Inducing Signaling Complex in the Antileukemic Action of Edelfosine in Jurkat Cells. PLoS ONE, 2009, 4, e5044.	1.1	90
20	Involvement of c-Jun <sup>2</sup> -Terminal Kinase Activation and c-Jun in the Induction of Apoptosis by the Ether Phospholipid 1-Octadecyl-2-methyl-glycero-3-phosphocholine. Molecular Pharmacology, 1998, 53, 602-612.	1.0	88
21	<i>In vitro</i> and <i>In vivo</i> Selective Antitumor Activity of Edelfosine against Mantle Cell Lymphoma and Chronic Lymphocytic Leukemia Involving Lipid Rafts. Clinical Cancer Research, 2010, 16, 2046-2054.	3.2	87
22	Endoplasmic Reticulum Stress in the Proapoptotic Action of Edelfosine in Solid Tumor Cells. Cancer Research, 2007, 67, 10368-10378.	0.4	84
23	Lipid raft connection between extrinsic and intrinsic apoptotic pathways. Biochemical and Biophysical Research Communications, 2009, 380, 780-784.	1.0	84
24	Involvement of mitochondria and recruitment of Fas/CD95 signaling in lipid rafts in resveratrol-mediated antimyeloma and antileukemia actions. Oncogene, 2009, 28, 3221-3234.	2.6	79
25	Cytotoxicity of an Anti-cancer Lysophospholipid through Selective Modification of Lipid Raft Composition. Journal of Biological Chemistry, 2005, 280, 38047-38058.	1.6	78
26	Lipid raft-mediated Akt signaling as a therapeutic target in mantle cell lymphoma. Blood Cancer Journal, 2013, 3, e118-e118.	2.8	75
27	Differential Cytostatic and Apoptotic Effects of Ecteinascidin-743 in Cancer Cells. Journal of Biological Chemistry, 2002, 277, 41580-41589.	1.6	72
28	Edelfosine Is Incorporated into Rafts and Alters Their Organization. Journal of Physical Chemistry B, 2008, 112, 11643-11654.	1.2	70
29	Antitumor alkyl-lysophospholipid analog edelfosine induces apoptosis in pancreatic cancer by targeting endoplasmic reticulum. Oncogene, 2012, 31, 2627-2639.	2.6	66
30	Differences in expression of transcription factor AP-1 in human promyelocytic HL-60 cells during differentiation towards macrophages versus granulocytes. Biochemical Journal, 1993, 294, 137-144.	1.7	65
31	DNA and Non-DNA Targets in the Mechanism of Action of the Antitumor Drug Trabectedin. Chemistry and Biology, 2005, 12, 1201-1210.	6.2	65
32	Alkyl ether lipids, ion channels and lipid raft reorganization in cancer therapy. , 2016, 165, 114-131.		61
33	Rapid and selective apoptosis in human leukemic cells induced by Aplidine through a Fas/CD95- and mitochondrial-mediated mechanism. Clinical Cancer Research, 2003, 9, 1535-45.	3.2	59
34	Involvement of lipid rafts in the localization and dysfunction effect of the antitumor ether phospholipid edelfosine in mitochondria. Cell Death and Disease, 2011, 2, e158-e158.	2.7	56
35	Induction of apoptosis in leukemic cells by the reversible microtubule-disrupting agent 2-methoxy-5-(2',3',4'-trimethoxyphenyl)-2,4,6-cycloheptatrien-1-one: protection by Bcl-2 and Bcl-X(L) and cell cycle arrest. Cancer Research, 2000, 60, 2651-9.	0.4	56
36	Synthesis and Biological Evaluation of New Selective Cytotoxic Cyclolignans Derived from Podophyllotoxin. Journal of Medicinal Chemistry, 2004, 47, 1214-1222.	2.9	54

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37	Lipid rafts and clusters of apoptotic signaling molecule-enriched rafts in cancer therapy. <i>Future Oncology</i> , 2010, 6, 811-821.	1.1	54
38	Differential Targets and Subcellular Localization of Antitumor Alkyl-lysophospholipid in Leukemic Versus Solid Tumor Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 14833-14840.	1.6	53
39	Proapoptotic role of Hsp90 by its interaction with c-Jun N-terminal kinase in lipid rafts in edelfosine-mediated antileukemic therapy. <i>Oncogene</i> , 2008, 27, 1779-1787.	2.6	52
40	Lipid Rafts, Endoplasmic Reticulum and Mitochondria in the Antitumor Action of the Alkylphospholipid Analog Edelfosine. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2014, 14, 509-527.	0.9	51
41	Involvement of phospholipase D in the activation of transcription factor AP-1 in human T lymphoid Jurkat cells. <i>Journal of Immunology</i> , 1994, 153, 2457-69.	0.4	50
42	C-Fos Is Not Essential for Apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 1996, 218, 267-272.	1.0	48
43	Lipid rafts and raft-mediated supramolecular entities in the regulation of CD95 death receptor apoptotic signaling. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 584-606.	2.2	48
44	Induction of apoptosis in human mitogen-activated peripheral blood T-lymphocytes by the ether phospholipid ET-18-OCH <sub>3</sub> : Involvement of the Fas receptor/ligand system. <i>British Journal of Pharmacology</i> , 1999, 127, 813-825.	2.7	47
45	Involvement of mitochondrial and B-RAF/ERK signaling pathways in berberine-induced apoptosis in human melanoma cells. <i>Anti-Cancer Drugs</i> , 2011, 22, 507-518.	0.7	44
46	Mitochondria and lipid raft-located FOF1-ATP synthase as major therapeutic targets in the antileishmanial and anticancer activities of ether lipid edelfosine. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005805.	1.3	44
47	Lipid raft-mediated Fas/CD95 apoptotic signaling in leukemic cells and normal leukocytes and therapeutic implications. <i>Journal of Leukocyte Biology</i> , 2015, 98, 739-759.	1.5	43
48	Drug Uptake, Lipid Rafts, and Vesicle Trafficking Modulate Resistance to an Anticancer Lysophosphatidylcholine Analogue in Yeast. <i>Journal of Biological Chemistry</i> , 2013, 288, 8405-8418.	1.6	41
49	Rapid human melanoma cell death induced by sanguinarine through oxidative stress. <i>European Journal of Pharmacology</i> , 2013, 705, 109-118.	1.7	41
50	Antitumor Alkyl Ether Lipid Edelfosine: Tissue Distribution and Pharmacokinetic Behavior in Healthy and Tumor-Bearing Immunosuppressed Mice. <i>Clinical Cancer Research</i> , 2009, 15, 858-864.	3.2	39
51	Differential gene expression patterns coupled to commitment and acquisition of phenotypic hallmarks during neutrophil differentiation of human leukaemia HL-60 cells. <i>Gene</i> , 2008, 419, 16-26.	1.0	37
52	Lipid Rafts and Fas/CD95 Signaling in Cancer Chemotherapy. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2011, 6, 274-283.	0.8	37
53	The ether lipid 1-octadecyl-2-methyl-rac-glycero-3-phosphocholine induces expression of fos and jun proto-oncogenes and activates AP-1 transcription factor in human leukaemic cells. <i>Biochemical Journal</i> , 1994, 302, 325-329.	1.7	36
54	Novel Anti-Inflammatory Action of Edelfosine Lacking Toxicity with Protective Effect in Experimental Colitis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 439-449.	1.3	36

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55	Mitochondrial-derived ROS in edelfosine-induced apoptosis in yeasts and tumor cells. <i>Acta Pharmacologica Sinica</i> , 2007, 28, 888-894.	2.8	29
56	A Potent Isoprenylcysteine Carboxylmethyltransferase (ICMT) Inhibitor Improves Survival in Ras-Driven Acute Myeloid Leukemia. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 6035-6046.	2.9	29
57	Localization of rap1 and rap2 proteins in the gelatinase-containing granules of human neutrophils. <i>FEBS Letters</i> , 1993, 326, 209-214.	1.3	28
58	Lipid rafts, death receptors and CASMERs: new insights for cancer therapy. <i>Future Oncology</i> , 2010, 6, 491-494.	1.1	27
59	Cytochrome b co-fractionates with gelatinase-containing granules in human neutrophils. <i>Molecular and Cellular Biochemistry</i> , 1991, 105, 49-60.	1.4	25
60	Fluorescent Phenylpolyene Analogues of the Ether Phospholipid Edelfosine for the Selective Labeling of Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 5333-5335.	2.9	25
61	Novel therapeutic approaches for pancreatic cancer by combined targeting of RAF $\hat{a}$ 'MEK $\hat{a}$ 'ERK signaling and autophagy survival response. <i>Annals of Translational Medicine</i> , 2019, 7, S153-S153.	0.7	22
62	Endoplasmic reticulum targeting in Ewing's sarcoma by the alkylphospholipid analog edelfosine. <i>Oncotarget</i> , 2015, 6, 14596-14613.	0.8	20
63	The Human Leukemia Cell Line HL-60 as a Cell Culture Model To Study Neutrophil Functions and Inflammatory Cell Responses. , 1998, , 264-297.		19
64	Neutrophils drive endoplasmic reticulum stress-mediated apoptosis in cancer cells through arginase-1 release. <i>Scientific Reports</i> , 2021, 11, 12574.	1.6	19
65	Antitumor activity of <i>Lepidium latifolium</i> and identification of the epithionitrile 1- $\epsilon$ -yano-2,3- $\epsilon$ epithiopropene as its major active component. <i>Molecular Carcinogenesis</i> , 2018, 57, 347-360.	1.3	18
66	Substitution at the indole 3 position yields highly potent indolecambretastatins against human tumor cells. <i>European Journal of Medicinal Chemistry</i> , 2018, 158, 167-183.	2.6	16
67	Dissociation of the effects of the antitumour ether lipid ET-18-OCH <sub>3</sub> on cytosolic calcium and on apoptosis. <i>British Journal of Pharmacology</i> , 1997, 121, 1364-1368.	2.7	15
68	FasL-Independent Activation of Fas. , 2006, , 13-27.		13
69	Isolation of Lipid Rafts Through Discontinuous Sucrose Gradient Centrifugation and Fas/CD95 Death Receptor Localization in Raft Fractions. <i>Methods in Molecular Biology</i> , 2017, 1557, 125-138.	0.4	13
70	Development of a Nucleotide Exchange Inhibitor That Impairs Ras Oncogenic Signaling. <i>Chemistry - A European Journal</i> , 2017, 23, 1676-1685.	1.7	13
71	Potent colchicine-site ligands with improved intrinsic solubility by replacement of the 3,4,5-trimethoxyphenyl ring with a 2-methylsulfonyl-6-methoxypyridine ring. <i>Bioorganic Chemistry</i> , 2020, 98, 103755.	2.0	13
72	Mitochondrial Targeting Involving Cholesterol-Rich Lipid Rafts in the Mechanism of Action of the Antitumor Ether Lipid and Alkylphospholipid Analog Edelfosine. <i>Pharmaceutics</i> , 2021, 13, 763.	2.0	13

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73	Effects of the anti-neoplastic agent ET-18-OCH3 and some analogs on the biophysical properties of model membranes. <i>International Journal of Pharmaceutics</i> , 2006, 318, 28-40.	2.6	12
74	Direct Endoplasmic Reticulum Targeting by the Selective Alkylphospholipid Analog and Antitumor Ether Lipid Edelfosine as a Therapeutic Approach in Pancreatic Cancer. <i>Cancers</i> , 2021, 13, 4173.	1.7	11
75	Lipid Raft Isolation by Sucrose Gradient Centrifugation and Visualization of Raft-Located Proteins by Fluorescence Microscopy: The Use of Combined Techniques to Assess Fas/CD95 Location in Rafts During Apoptosis Triggering. <i>Methods in Molecular Biology</i> , 2021, 2187, 147-186.	0.4	11
76	Triggers and signaling cross-talk controlling cell death commitment. <i>Cell Cycle</i> , 2015, 14, 465-466.	1.3	10
77	Apoptotic mechanisms are involved in the death of <i>Strongyloides venezuelensis</i> after triggering of nitric oxide. <i>Parasite Immunology</i> , 2012, 34, 570-580.	0.7	8
78	The alkylphospholipid edelfosine shows activity against <i>Strongyloides venezuelensis</i> and induces apoptosis-like cell death. <i>Acta Tropica</i> , 2016, 162, 180-187.	0.9	8
79	Induction of Apoptosis in Human Pancreatic Cancer Stem Cells by the Endoplasmic Reticulum-Targeted Alkylphospholipid Analog Edelfosine and Potentiation by Autophagy Inhibition. <i>Cancers</i> , 2021, 13, 6124.	1.7	7
80	Induction of cell killing and autophagy by amphiphilic pyrrolidine derivatives on human pancreatic cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2018, 150, 457-478.	2.6	6
81	Methylsulfanylpyridine based diheteroaryl isocombretastatin analogs as potent anti-proliferative agents. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112933.	2.6	5
82	Clusters of apoptotic signaling molecule-enriched rafts, CASMERs: membrane platforms for protein assembly in Fas/CD95 signaling and targets in cancer therapy. <i>Biochemical Society Transactions</i> , 2022, 50, 1105-1118.	1.6	5
83	Identification of new FK866 analogues with potent anticancer activity against pancreatic cancer. <i>European Journal of Medicinal Chemistry</i> , 2022, 239, 114504.	2.6	5
84	Fas/CD95, Lipid Rafts, and Cancer. <i>Resistance To Targeted Anti-cancer Therapeutics</i> , 2017, , 187-227.	0.1	1