

# Alberto Anel

## List of Publications by Year in descending order

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86  
papers

8,764  
citations

126708

33  
h-index

56606

83  
g-index

92  
all docs

92  
docs citations

92  
times ranked

18680  
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	How Do Cytotoxic Lymphocytes Kill Cancer Cells?. <i>Clinical Cancer Research</i> , 2015, 21, 5047-5056.	3.2	522
3	Differential Secretion of Fas Ligand- or APO2 Ligand/TNF-Related Apoptosis-Inducing Ligand-Carrying Microvesicles During Activation-Induced Death of Human T Cells. <i>Journal of Immunology</i> , 2001, 167, 6736-6744.	0.4	240
4	Involvement of APO2 ligand/TRAIL in activation-induced death of Jurkat and human peripheral blood T cells. <i>European Journal of Immunology</i> , 1998, 28, 2714-2725.	1.6	179
5	Immunogenic Cell Death and Immunotherapy of Multiple Myeloma. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 50.	1.8	139
6	Membrane partition of fatty acids and inhibition of T cell function. <i>Biochemistry</i> , 1993, 32, 530-536.	1.2	130
7	A Distinct Pathway of Cell-Mediated Apoptosis Initiated by Granulysin. <i>Journal of Immunology</i> , 2001, 167, 350-356.	0.4	128
8	Doxorubicin Treatment Activates a Z-VAD-Sensitive Caspase, Which Causes $\text{p}53$ Loss, Caspase-9 Activity, and Apoptosis in Jurkat Cells. <i>Experimental Cell Research</i> , 2000, 258, 223-235.	1.2	127
9	Apoptotic pathways are selectively activated by granzyme A and/or granzyme B in CTL-mediated target cell lysis. <i>Journal of Cell Biology</i> , 2004, 167, 457-468.	2.3	121
10	Role of Exosomes in the Regulation of T-cell Mediated Immune Responses and in Autoimmune Disease. <i>Cells</i> , 2019, 8, 154.	1.8	121
11	A homozygous Fas ligand gene mutation in a patient causes a new type of autoimmune lymphoproliferative syndrome. <i>Blood</i> , 2006, 108, 1306-1312.	0.6	117
12	Granzymes are essential for natural killer cell-mediated and perf-facilitated tumor control. <i>European Journal of Immunology</i> , 2002, 32, 2881-2886.	1.6	112
13	A Role of the Mitochondrial Apoptosis-Inducing Factor in Granulysin-Induced Apoptosis. <i>Journal of Immunology</i> , 2001, 167, 1222-1229.	0.4	103
14	The biology of cytotoxic cell granule exocytosis pathway: granzymes have evolved to induce cell death and inflammation. <i>Microbes and Infection</i> , 2009, 11, 452-459.	1.0	92
15	Liposome-bound APO2L/TRAIL is an effective treatment in a rabbit model of rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2010, 62, 2272-2282.	6.7	84
16	Fatty acid metabolism in human lymphocytes. I. Time-course changes in fatty acid composition and membrane fluidity during blastic transformation of peripheral blood lymphocytes. <i>Lipids and Lipid Metabolism</i> , 1990, 1044, 323-331.	2.6	81
17	CPP32 inhibition prevents Fas-induced ceramide generation and apoptosis in human cells. <i>FEBS Letters</i> , 1996, 390, 233-237.	1.3	78
18	Liposomes Decorated with Apo2L/TRAIL Overcome Chemoresistance of Human Hematologic Tumor Cells. <i>Molecular Pharmaceutics</i> , 2013, 10, 893-904.	2.3	70

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19	Oxidative Phosphorylation Induces De Novo Expression of the MHC Class I in Tumor Cells through the ERK5 Pathway. <i>Journal of Immunology</i> , 2010, 185, 3498-3503.	0.4	58
20	Membrane expression of DR4, DR5 and caspase-8 levels, but not Mcl-1, determine sensitivity of human myeloma cells to Apo2L/TRAIL. <i>Experimental Cell Research</i> , 2007, 313, 2378-2388.	1.2	53
21	The differential contribution of granzyme A and granzyme B in cytotoxic T lymphocyte-mediated apoptosis is determined by the quality of target cells. <i>European Journal of Immunology</i> , 2002, 32, 1980.	1.6	52
22	Cooperation between Apo2L/TRAIL and bortezomib in multiple myeloma apoptosis. <i>Biochemical Pharmacology</i> , 2009, 77, 804-812.	2.0	51
23	MHC-I modulation due to changes in tumor cell metabolism regulates tumor sensitivity to CTL and NK cells. <i>Oncolmmunology</i> , 2015, 4, e985924.	2.1	48
24	Expansion of allogeneic NK cells with efficient antibody-dependent cell cytotoxicity against multiple tumors. <i>Theranostics</i> , 2018, 8, 3856-3869.	4.6	48
25	Targeting the Apo2L/TRAIL system for the therapy of autoimmune diseases and cancer. <i>Biochemical Pharmacology</i> , 2012, 83, 1475-1483.	2.0	45
26	Comparative proteomics of exosomes secreted by tumoral Jurkat T cells and normal human T cell blasts unravels a potential tumorigenic role for valosin-containing protein. <i>Oncotarget</i> , 2016, 7, 29287-29305.	0.8	45
27	Liposome-bound TRAIL induces superior DR5 clustering and enhanced DISC recruitment in histiocytic lymphoma U937 cells. <i>Leukemia Research</i> , 2015, 39, 657-666.	0.4	43
28	High-order TRAIL oligomer formation in TRAIL-coated lipid nanoparticles enhances DR5 cross-linking and increases antitumour effect against colon cancer. <i>Cancer Letters</i> , 2016, 383, 250-260.	3.2	42
29	Rheumatoid synovial fluid T cells are sensitive to APO2L/TRAIL. <i>Clinical Immunology</i> , 2007, 122, 28-40.	1.4	39
30	Mechanism of apoptosis induced by IFN- $\gamma$ in human myeloma cells: Role of Jak1 and Bim and potentiation by rapamycin. <i>Cellular Signalling</i> , 2007, 19, 844-854.	1.7	38
31	Mitochondrial Complex I activity signals antioxidant response through ERK5. <i>Scientific Reports</i> , 2018, 8, 7420.	1.6	38
32	Down-regulation of normal human T cell blast activation: roles of APO2L/TRAIL, FasL, and c-FLIP, Bim, or Bcl-x isoform expression. <i>Journal of Leukocyte Biology</i> , 2005, 77, 568-578.	1.5	37
33	All-trans retinoic acid (ATRA) induces miR-23a expression, decreases CTSC expression and granzyme B activity leading to impaired NK cell cytotoxicity. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 49, 42-52.	1.2	37
34	Importance of TRAIL Molecular Anatomy in Receptor Oligomerization and Signaling. Implications for Cancer Therapy. <i>Cancers</i> , 2019, 11, 444.	1.7	37
35	Human NK cells activated by EBV <sup>+</sup> lymphoblastoid cells overcome anti-apoptotic mechanisms of drug resistance in haematological cancer cells. <i>Oncolmmunology</i> , 2015, 4, e991613.	2.1	36
36	Apo2L/TRAIL and immune regulation. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 2074.	3.0	34

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37	Protein Kinase C- $\delta$ Is Required for NK Cell Activation and In Vivo Control of Tumor Progression. <i>Journal of Immunology</i> , 2009, 182, 1972-1981.	0.4	33
38	mtDNA-depleted U937 cells are sensitive to TNF and Fas-mediated cytotoxicity. <i>FEBS Letters</i> , 1995, 376, 15-18.	1.3	32
39	Protein Kinase C- $\delta$ (PKC- $\delta$ ) in Natural Killer Cell Function and Anti-Tumor Immunity. <i>Frontiers in Immunology</i> , 2012, 3, 187.	2.2	31
40	TRAIL-coated lipid-nanoparticles overcome resistance to soluble recombinant TRAIL in non-small cell lung cancer cells. <i>Nanotechnology</i> , 2016, 27, 185101.	1.3	31
41	Differential implication of protein kinase C isoforms in cytotoxic T lymphocyte degranulation and TCR-induced Fas ligand expression. <i>International Immunology</i> , 2003, 15, 1441-1450.	1.8	29
42	Granulysin induces apoptotic cell death and cleavage of the autophagy regulator Atg5 in human hematological tumors. <i>Biochemical Pharmacology</i> , 2014, 87, 410-423.	2.0	29
43	CD59 cross-linking induces secretion of APO2 ligand in overactivated human T cells. <i>European Journal of Immunology</i> , 2000, 30, 1078-1087.	1.6	28
44	ERK5 Knockdown Generates Mouse Leukemia Cells with Low MHC Class I Levels That Activate NK Cells and Block Tumorigenesis. <i>Journal of Immunology</i> , 2009, 182, 3398-3405.	0.4	28
45	Human CD8+ T $\alpha$ cell blasts are more sensitive than CD4+ T $\alpha$ cell blasts to regulation by APO2L/TRAIL. <i>European Journal of Immunology</i> , 2005, 35, 1812-1821.	1.6	27
46	Pulmonary BCG induces lung-resident macrophage activation and confers long-term protection against tuberculosis. <i>Science Immunology</i> , 2021, 6, eabc2934.	5.6	27
47	Different contribution of BH3-only proteins and caspases to doxorubicin-induced apoptosis in p53-deficient leukemia cells. <i>Biochemical Pharmacology</i> , 2010, 79, 1746-1758.	2.0	26
48	Activated Allogeneic NK Cells Preferentially Kill Poor Prognosis B-Cell Chronic Lymphocytic Leukemia Cells. <i>Frontiers in Immunology</i> , 2016, 7, 454.	2.2	26
49	The induction of Bim expression in human T-cell blasts is dependent on nonapoptotic Fas/CD95 signaling. <i>Blood</i> , 2007, 109, 1627-1635.	0.6	25
50	Role of oxidative damage and IL-1 $\beta$ -converting enzyme-like proteases in Fas-based cytotoxicity exerted by effector T cells. <i>International Immunology</i> , 1996, 8, 1173-1183.	1.8	24
51	Future prospects for mitosis-targeted antitumor therapies. <i>Biochemical Pharmacology</i> , 2021, 190, 114655.	2.0	24
52	Expanded NK cells from umbilical cord blood and adult peripheral blood combined with daratumumab are effective against tumor cells from multiple myeloma patients. <i>OncImmunology</i> , 2021, 10, 1853314.	2.1	24
53	Expanded and activated allogeneic NK cells are cytotoxic against B-chronic lymphocytic leukemia (B-CLL) cells with sporadic cases of resistance. <i>Scientific Reports</i> , 2020, 10, 19398.	1.6	23
54	Death ligands and granulysin: mechanisms of tumor cell death induction and therapeutic opportunities. <i>Immunotherapy</i> , 2015, 7, 883-882.	1.0	22

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55	Impaired anti-leukemic immune response in PKC $\delta$ -deficient mice. <i>Molecular Immunology</i> , 2008, 45, 3463-3469.	1.0	21
56	Granzyme B of cytotoxic T cells induces extramitochondrial reactive oxygen species production via caspase $\alpha$ -dependent NADPH oxidase activation. <i>Immunology and Cell Biology</i> , 2010, 88, 545-554.	1.0	21
57	Decreased activation-induced cell death by EBV-transformed B-cells from a patient with autoimmune lymphoproliferative syndrome caused by a novel FASLG mutation. <i>Pediatric Research</i> , 2015, 78, 603-608.	1.1	21
58	Apo2L/TRAIL is an indirect mediator of apoptosis induced by interferon- $\gamma$ in human myeloma cells. <i>FEBS Letters</i> , 2005, 579, 6217-6222.	1.3	20
59	Apoptosis by IL-2 deprivation in human CD8+ T cell blasts predominates over death receptor ligation, requires Bim expression and is associated with Mcl-1 loss. <i>Molecular Immunology</i> , 2007, 44, 1446-1453.	1.0	18
60	Phenotypic and functional evaluation of CD3+CD4-CD8- T cells in human CD8 immunodeficiency. <i>Haematologica</i> , 2011, 96, 1195-1203.	1.7	18
61	Mutations in the ND2 Subunit of Mitochondrial Complex I Are Sufficient to Confer Increased Tumorigenic and Metastatic Potential to Cancer Cells. <i>Cancers</i> , 2019, 11, 1027.	1.7	18
62	Autoimmune lymphoproliferative syndrome (ALPS) in a patient with a new germline Fas gene mutation. <i>Immunobiology</i> , 2007, 212, 73-83.	0.8	17
63	Cell cycle regulation by FasL and Apo2L/TRAIL in human T-cell blasts. Implications for autoimmune lymphoproliferative syndromes. <i>Journal of Leukocyte Biology</i> , 2008, 84, 488-498.	1.5	17
64	Novel Forms of Immunomodulation for Cancer Therapy. <i>Trends in Cancer</i> , 2020, 6, 518-532.	3.8	17
65	In vivopotential of recombinant granulysin against human tumors. <i>Oncolmmunology</i> , 2015, 4, e1036213.	2.1	15
66	Double-Edged Lipid Nanoparticles Combining Liposome-Bound TRAIL and Encapsulated Doxorubicin Showing an Extraordinary Synergistic Pro-Apoptotic Potential. <i>Cancers</i> , 2019, 11, 1948.	1.7	14
67	Immunologic evaluation and genetic defects of apoptosis in patients with autoimmune lymphoproliferative syndrome (ALPS). <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2021, 58, 253-274.	2.7	14
68	The metabolism of cells regulates their sensitivity to NK cells depending on p53 status. <i>Scientific Reports</i> , 2022, 12, 3234.	1.6	14
69	Lipid Nanoparticles Decorated with TNF-Related Aptosis-Inducing Ligand (TRAIL) Are More Cytotoxic than Soluble Recombinant TRAIL in Sarcoma. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1449.	1.8	13
70	Anti-tumoral potential of a human granulysin-based, CEA-targeted cytolytic immunotoxin. <i>Oncolmmunology</i> , 2019, 8, 1641392.	2.1	12
71	Metformin sensitizes leukemic cells to cytotoxic lymphocytes by increasing expression of intercellular adhesion molecule-1 (ICAM-1). <i>Scientific Reports</i> , 2022, 12, 1341.	1.6	11
72	IFN $\gamma$ signaling through PKC- $\delta$ is essential for antitumor NK cell function. <i>Oncolmmunology</i> , 2014, 3, e948705.	2.1	10

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73	Antibody-Based Immunotoxins for Colorectal Cancer Therapy. <i>Biomedicines</i> , 2021, 9, 1729.	1.4	9
74	Improved Anti-Tumor Activity of Novel Highly Bioactive Liposome-Bound TRAIL in Breast Cancer Cells. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2016, 11, 197-214.	0.8	8
75	Herpesvirus saimiri-transformed CD8+T cells as a tool to study Chediak-Higashi syndrome cytolytic lymphocytes. <i>Journal of Leukocyte Biology</i> , 2005, 77, 661-668.	1.5	7
76	Harnessing the Potential of NK Cell-Based Immunotherapies against Multiple Myeloma. <i>Cells</i> , 2022, 11, 392.	1.8	7
77	In vivo potential of recombinant granulysin against human melanoma. <i>Cancer Treatment and Research Communications</i> , 2021, 27, 100355.	0.7	6
78	Production of a Granulysin-Based, Tn-Targeted Cytolytic Immunotoxin Using Pulsed Electric Field Technology. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6165.	1.8	5
79	Response: Commentary: Immunogenic Cell Death and Immunotherapy of Multiple Myeloma. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 306.	1.8	4
80	Cytokine Profile and Anti-Inflammatory Activity of a Standardized Conditioned Medium Obtained by Coculture of Monocytes and Mesenchymal Stromal Cells (PRS CK STORM). <i>Biomolecules</i> , 2022, 12, 534.	1.8	3
81	Granzymes are essential for natural killer cell-mediated and perfacilitated tumor control. , 2002, 32, 2881.		2
82	Preclinical Studies of Granulysin-Based Anti-MUC1-Tn Immunotoxins as a New Antitumoral Treatment. <i>Biomedicines</i> , 2022, 10, 1223.	1.4	2
83	Resumen de la 1.a Reunión del Grupo Español de Inmunoterapia (GEIT). <i>Inmunologia (Barcelona, Spain: Tj ETQq1 1 0.784314 rgBT</i>	0.1	1
84	The differential contribution of granzyme A and granzyme B in cytotoxic T lymphocyte-mediated apoptosis is determined by the quality of target cells. , 2002, 32, 1980.		1
85	Evaluation in a Cytokine Storm Model In Vivo of the Safety and Efficacy of Intravenous Administration of PRS CK STORM (Standardized Conditioned Medium Obtained by Coculture of Monocytes and) Tj ETQq1 1 0.784314 rgBT	1	1
86	Editorial: The Natural Killer Cell Interactome in the Tumor Microenvironment: Basic Concepts and Clinical Application. <i>Frontiers in Immunology</i> , 2020, 11, 872.	2.2	0