

Isabel Marzo

List of Publications by Year in descending order

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101
papers

12,133
citations

57758

44
h-index

34986

98
g-index

105
all docs

105
docs citations

105
times ranked

12095
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular characterization of mitochondrial apoptosis-inducing factor. <i>Nature</i> , 1999, 397, 441-446.	27.8	3,697
2	Bax and Adenine Nucleotide Translocator Cooperate in the Mitochondrial Control of Apoptosis. , 1998, 281, 2027-2031.		1,061
3	Mitochondrial Release of Caspase-2 and -9 during the Apoptotic Process. <i>Journal of Experimental Medicine</i> , 1999, 189, 381-394.	8.5	678
4	The Permeability Transition Pore Complex: A Target for Apoptosis Regulation by Caspases and Bcl-2-related Proteins. <i>Journal of Experimental Medicine</i> , 1998, 187, 1261-1271.	8.5	657
5	The apoptosis-necrosis paradox. Apoptogenic proteases activated after mitochondrial permeability transition determine the mode of cell death. <i>Oncogene</i> , 1997, 15, 1573-1581.	5.9	443
6	Subcellular and submitochondrial mode of action of Bcl-2-like oncoproteins. <i>Oncogene</i> , 1998, 16, 2265-2282.	5.9	385
7	Bcl-2 and Bax regulate the channel activity of the mitochondrial adenine nucleotide translocator. <i>Oncogene</i> , 2000, 19, 329-336.	5.9	322
8	Arsenite Induces Apoptosis via a Direct Effect on the Mitochondrial Permeability Transition Pore. <i>Experimental Cell Research</i> , 1999, 249, 413-421.	2.6	283
9	Nitric oxide induces apoptosis via triggering mitochondrial permeability transition. <i>FEBS Letters</i> , 1997, 410, 373-377.	2.8	220
10	Glutathione depletion is an early and calcium elevation is a late event of thymocyte apoptosis. <i>Journal of Immunology</i> , 1997, 158, 4612-9.	0.8	205
11	Cytofluorometric detection of mitochondrial alterations in early CD95/Fas/APO-1-triggered apoptosis of Jurkat T lymphoma cells. Comparison of seven mitochondrion-specific fluorochromes. <i>Immunology Letters</i> , 1998, 61, 157-163.	2.5	195
12	Lonidamine triggers apoptosis via a direct, Bcl-2-inhibited effect on the mitochondrial permeability transition pore. <i>Oncogene</i> , 1999, 18, 2537-2546.	5.9	194
13	Role of the Mitochondrial Permeability Transition Pore in Apoptosis. <i>Bioscience Reports</i> , 1997, 17, 67-76.	2.4	193
14	The thiol crosslinking agent diamide overcomes the apoptosis-inhibitory effect of Bcl-2 by enforcing mitochondrial permeability transition. <i>Oncogene</i> , 1998, 16, 1055-1063.	5.9	149
15	Immunogenic Cell Death and Immunotherapy of Multiple Myeloma. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 50.	3.7	139
16	Caspases disrupt mitochondrial membrane barrier function. <i>FEBS Letters</i> , 1998, 427, 198-202.	2.8	123
17	Mitochondrial permeability transition in apoptosis and necrosis. <i>Cell Biology and Toxicology</i> , 1998, 14, 141-145.	5.3	121
18	MLL-Rearranged Acute Lymphoblastic Leukemias Activate BCL-2 through H3K79 Methylation and Are Sensitive to the BCL-2-Specific Antagonist ABT-199. <i>Cell Reports</i> , 2015, 13, 2715-2727.	6.4	118

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19	A Role of the Mitochondrial Apoptosis-Inducing Factor in Granulysin-Induced Apoptosis. <i>Journal of Immunology</i> , 2001, 167, 1222-1229.	0.8	103
20	Cyclometalated Iminophosphorane Gold(III) and Platinum(II) Complexes. A Highly Permeable Cationic Platinum(II) Compound with Promising Anticancer Properties. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5825-5841.	6.4	88
21	In Vitro and in Vivo Evaluation of Water-Soluble Iminophosphorane Ruthenium(II) Compounds. A Potential Chemotherapeutic Agent for Triple Negative Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 9995-10012.	6.4	87
22	Cladribine induces apoptosis in human leukaemia cells by caspase-dependent and -independent pathways acting on mitochondria. <i>Biochemical Journal</i> , 2001, 359, 537-546.	3.7	83
23	CPP32 inhibition prevents Fas-induced ceramide generation and apoptosis in human cells. <i>FEBS Letters</i> , 1996, 390, 233-237.	2.8	78
24	Bcl-2 family members as molecular targets in cancer therapy. <i>Biochemical Pharmacology</i> , 2008, 76, 939-946.	4.4	75
25	Bortezomib resistance in a myeloma cell line is associated to PSM β 25 overexpression and polyploidy. <i>Leukemia Research</i> , 2012, 36, 212-218.	0.8	75
26	Bcl-2 family of proteins as drug targets for cancer chemotherapy: the long way of BH3 mimetics from bench to bedside. <i>Current Opinion in Pharmacology</i> , 2015, 23, 74-81.	3.5	75
27	The central role of the mitochondrial megachannel in apoptosis: evidence obtained with intact cells, isolated mitochondria, and purified protein complexes. <i>Biomedicine and Pharmacotherapy</i> , 1998, 52, 248-251.	5.6	74
28	Direct Interaction of Bax and Bak Proteins with Bcl-2 Homology Domain 3 (BH3)-only Proteins in Living Cells Revealed by Fluorescence Complementation. <i>Journal of Biological Chemistry</i> , 2013, 288, 4935-4946.	3.4	74
29	Luminescent Re($\text{C}_6\text{H}_5\text{N}_3\text{C}_3\text{N}_3$) and Re($\text{C}_6\text{H}_5\text{N}_3\text{C}_3\text{N}_3$)/Au($\text{C}_6\text{H}_5\text{N}_3\text{C}_3\text{N}_3$) complexes as cooperative partners in cell imaging and cancer therapy. <i>Chemical Science</i> , 2014, 5, 4434-4446.	7.4	74
30	Inhibition of autophagy with chloroquine potentiates carfilzomib-induced apoptosis in myeloma cells in vitro and in vivo. <i>Cancer Letters</i> , 2016, 382, 1-10.	7.2	74
31	A Cytofluorometric Assay of Nuclear Apoptosis Induced in a Cell-Free System: Application to Ceramide-Induced Apoptosis. <i>Experimental Cell Research</i> , 1997, 236, 397-403.	2.6	73
32	Antimitotic drugs in cancer chemotherapy: Promises and pitfalls. <i>Biochemical Pharmacology</i> , 2013, 86, 703-710.	4.4	72
33	Organometallic Palladium Complexes with a Water-Soluble Iminophosphorane Ligand As Potential Anticancer Agents. <i>Organometallics</i> , 2012, 31, 5772-5781.	2.3	70
34	Liposomes Decorated with Apo2L/TRAIL Overcome Chemoresistance of Human Hematologic Tumor Cells. <i>Molecular Pharmaceutics</i> , 2013, 10, 893-904.	4.6	70
35	Individual Variation of Scavenger Receptor Expression in Human Macrophages with Oxidized Low-Density Lipoprotein Is Associated with a Differential Inflammatory Response. <i>Journal of Immunology</i> , 2007, 179, 3242-3248.	0.8	64
36	Cytotoxicity and biodistribution studies of luminescent Au($\text{C}_6\text{H}_5\text{N}_3\text{C}_3\text{N}_3$) and Ag($\text{C}_6\text{H}_5\text{N}_3\text{C}_3\text{N}_3$) N-heterocyclic carbenes. Searching for new biological targets. <i>Dalton Transactions</i> , 2016, 45, 15026-15033.	3.3	58

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37	Iminophosphorane-organogold(III) complexes induce cell death through mitochondrial ROS production. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1306-1313.	3.5	57
38	Cytotoxic hydrophilic iminophosphorane coordination compounds of d8 metals. Studies of their interactions with DNA and HSA. <i>Journal of Inorganic Biochemistry</i> , 2012, 116, 204-214.	3.5	56
39	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.	2.6	53
40	Multifaceted anticancer activity of BH3 mimetics: Current evidence and future prospects. <i>Biochemical Pharmacology</i> , 2017, 136, 12-23.	4.4	52
41	Cladribine induces apoptosis in human leukaemia cells by caspase-dependent and -independent pathways acting on mitochondria. <i>Biochemical Journal</i> , 2001, 359, 537.	3.7	52
42	Cooperation between Apo2L/TRAIL and bortezomib in multiple myeloma apoptosis. <i>Biochemical Pharmacology</i> , 2009, 77, 804-812.	4.4	51
43	Highly Cytotoxic Bioconjugated Gold(I) Complexes with Cysteine-Containing Dipeptides. <i>Chemistry - A European Journal</i> , 2015, 21, 11088-11095.	3.3	49
44	Trackable Metallodrugs Combining Luminescent Re(I) and Bioactive Au(I) Fragments. <i>Inorganic Chemistry</i> , 2017, 56, 15159-15170.	4.0	48
45	Biosynthesis of docosahexaenoic acid in human cells: evidence that two different Δ^6 -desaturase activities may exist. <i>Lipids and Lipid Metabolism</i> , 1996, 1301, 263-272.	2.6	47
46	Targeting the Apo2L/TRAIL system for the therapy of autoimmune diseases and cancer. <i>Biochemical Pharmacology</i> , 2012, 83, 1475-1483.	4.4	45
47	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.	7.2	42
48	Mechanism of apoptosis induced by IFN- γ in human myeloma cells: Role of Jak1 and Bim and potentiation by rapamycin. <i>Cellular Signalling</i> , 2007, 19, 844-854.	3.6	38
49	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.	3.3	37
50	Role of caspases and apoptosis-inducing factor (AIF) in cladribine-induced apoptosis of B cell chronic lymphocytic leukemia. <i>Leukemia</i> , 2002, 16, 2106-2114.	7.2	36
51	Human NK cells activated by EBV-lymphoblastoid cells overcome anti-apoptotic mechanisms of drug resistance in haematological cancer cells. <i>Oncolmmunology</i> , 2015, 4, e991613.	4.6	36
52	Synthesis, Characterization, and Cytotoxic Activity of AuN,S-Heterocyclic Carbenes Derived from Peptides Containing L-Thiazolylalanine. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2512-2519.	2.0	35
53	Farnesyltransferase Inhibitor BMS-214662 Induces Apoptosis in Myeloma Cells through PUMA Up-Regulation, Bax and Bak Activation, and Mcl-1 Elimination. <i>Molecular Pharmacology</i> , 2005, 67, 1991-1998.	2.3	34
54	Biosynthesis of unsaturated fatty acids in the main cell lineages of human leukemia and lymphoma. <i>Lipids and Lipid Metabolism</i> , 1995, 1257, 140-148.	2.6	33

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55	Gold(i) thiolates containing amino acid moieties. Cytotoxicity and structure-activity relationship studies. <i>Dalton Transactions</i> , 2014, 43, 17054-17066.	3.3	33
56	mtDNA-depleted U937 cells are sensitive to TNF and Fas-mediated cytotoxicity. <i>FEBS Letters</i> , 1995, 376, 15-18.	2.8	32
57	Conjugation of a novel Apaf-1 inhibitor to peptide-based cell-membrane transporters. <i>Peptides</i> , 2007, 28, 958-968.	2.4	31
58	Granulysin induces apoptotic cell death and cleavage of the autophagy regulator Atg5 in human hematological tumors. <i>Biochemical Pharmacology</i> , 2014, 87, 410-423.	4.4	29
59	Human CD8+ T _H 1 cell blasts are more sensitive than CD4+ T _H 1 cell blasts to regulation by APO2L/TRAIL. <i>European Journal of Immunology</i> , 2005, 35, 1812-1821.	2.9	27
60	Immunotherapy with liposome-bound TRAIL overcomes partial protection to soluble TRAIL-induced apoptosis offered by down-regulation of Bim in leukemic cells. <i>Clinical and Translational Oncology</i> , 2015, 17, 657-667.	2.4	27
61	Bioactive Heterobimetallic Re(I)/Au(I) Complexes Containing Bidentate N-Heterocyclic Carbenes. <i>Organometallics</i> , 2018, 37, 3993-4001.	2.3	27
62	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.	4.4	26
63	Alternative route for the biosynthesis of polyunsaturated fatty acids in K562 cells. <i>Biochemical Journal</i> , 1993, 291, 841-845.	3.7	25
64	Editorial. <i>Experimental Gerontology</i> , 1998, 33, 543-553.	2.8	25
65	Cell fate after mitotic arrest in different tumor cells is determined by the balance between slippage and apoptotic threshold. <i>Toxicology and Applied Pharmacology</i> , 2012, 258, 384-393.	2.8	24
66	Luminescent Re(I)/Au(I) Species As Selective Anticancer Agents for HeLa Cells. <i>Inorganic Chemistry</i> , 2020, 59, 8960-8970.	4.0	24
67	Future prospects for mitosis-targeted antitumor therapies. <i>Biochemical Pharmacology</i> , 2021, 190, 114655.	4.4	24
68	Expanded NK cells from umbilical cord blood and adult peripheral blood combined with daratumumab are effective against tumor cells from multiple myeloma patients. <i>Oncolmmunology</i> , 2021, 10, 1853314.	4.6	24
69	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.	3.3	23
70	Two death pathways induced by sorafenib in myeloma cells: Puma-mediated apoptosis and necroptosis. <i>Clinical and Translational Oncology</i> , 2015, 17, 121-132.	2.4	21
71	Synthesis of luminescent squaramide monoesters: cytotoxicity and cell imaging studies in HeLa cells. <i>RSC Advances</i> , 2016, 6, 14171-14177.	3.6	21
72	Apo2L/TRAIL is an indirect mediator of apoptosis induced by interferon- γ in human myeloma cells. <i>FEBS Letters</i> , 2005, 579, 6217-6222.	2.8	20

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73	Bim is the key mediator of glucocorticoid-induced apoptosis and of its potentiation by rapamycin in human myeloma cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2010, 1803, 311-322.	4.1	19
74	Luminescent Bimetallic Ir ^{III} /Au ^I Peptide Bioconjugates as Potential Theranostic Agents. <i>Chemistry - A European Journal</i> , 2020, 26, 12158-12167.	3.3	19
75	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.	2.2	18
76	Exposure of any of two proapoptotic domains of presenilin 1-associated protein/mitochondrial carrier homolog 1 on the surface of mitochondria is sufficient for induction of apoptosis in a Bax/Bak-independent manner. <i>European Journal of Cell Biology</i> , 2008, 87, 325-334.	3.6	18
77	Self-Staining of Polyunsaturated Fatty Acids in Argentation Thin-Layer Chromatography. <i>Analytical Biochemistry</i> , 1994, 220, 210-212.	2.4	17
78	Farnesyltransferase inhibitor BMS-214662 induces apoptosis in B-cell chronic lymphocytic leukemia cells. <i>Leukemia</i> , 2004, 18, 1599-1604.	7.2	17
79	Detection of <i>Clostridium tyrobutyricum</i> spores using polyclonal antibodies and flow cytometry. <i>Journal of Applied Microbiology</i> , 2010, 108, 488-498.	3.1	17
80	Bioactive and luminescent indole and isatin based gold(i) derivatives. <i>Dalton Transactions</i> , 2019, 48, 3098-3108.	3.3	17
81	Novel Forms of Immunomodulation for Cancer Therapy. <i>Trends in Cancer</i> , 2020, 6, 518-532.	7.4	17
82	Multifunctional Heterometallic Ir ^{III} -Au ^I Probes as Promising Anticancer and Antiangiogenic Agents. <i>Chemistry - A European Journal</i> , 2021, 27, 9885-9897.	3.3	17
83	Purification and Liposomal Reconstitution of Permeability Transition Pore Complex. <i>Methods in Enzymology</i> , 2000, 322, 243-252.	1.0	15
84	Ylide Ligands as Building Blocks for Bioactive Group 11 Metal Complexes. <i>Chemistry - A European Journal</i> , 2018, 24, 11693-11702.	3.3	15
85	Heterobimetallic propargyl gold complexes with π -bound copper or silver with enhanced anticancer activity. <i>Dalton Transactions</i> , 2020, 49, 11736-11742.	3.3	15
86	Highly active group 11 metal complexes with λ^2 -hydrazidophosphonate ligands. <i>Dalton Transactions</i> , 2017, 46, 13745-13755.	3.3	13
87	Synthesis of New Thiourea-Metal Complexes with Promising Anticancer Properties. <i>Molecules</i> , 2021, 26, 6891.	3.8	13
88	Biological evaluation of water soluble arene Ru(II) enantiomers with amino-oxime ligands. <i>Journal of Inorganic Biochemistry</i> , 2018, 183, 32-42.	3.5	12
89	Metformin sensitizes leukemic cells to cytotoxic lymphocytes by increasing expression of intercellular adhesion molecule-1 (ICAM-1). <i>Scientific Reports</i> , 2022, 12, 1341.	3.3	11
90	Dual Emissive Ir(III) Complexes for Photodynamic Therapy and Bioimaging. <i>Pharmaceutics</i> , 2021, 13, 1382.	4.5	9

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91	Loss of Δ^6 -desaturase activity leads to impaired docosahexaenoic acid synthesis in Y-79 retinoblastoma cells. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 1998, 59, 293-297.	2.2	8
92	Harnessing the Potential of NK Cell-Based Immunotherapies against Multiple Myeloma. <i>Cells</i> , 2022, 11, 392.	4.1	7
93	Study of the anticancer properties of optically active titanocene oximate compounds. <i>Journal of Organometallic Chemistry</i> , 2019, 881, 150-158.	1.8	5
94	Novel ureido-dihydropyridine scaffolds as theranostic agents. <i>Bioorganic Chemistry</i> , 2020, 105, 104364.	4.1	5
95	Response: Commentary: Immunogenic Cell Death and Immunotherapy of Multiple Myeloma. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 306.	3.7	4
96	Synthesis and antiproliferative study of phosphorescent multimetallic Re(I)/Au(I) complexes containing fused imidazo[4,5-c]pyridine-1,10a-ephenanthroline core. <i>Applied Organometallic Chemistry</i> , 0, , .	3.5	4
97	Acute Lymphoblastic Leukemia Is a Bcl-2 Dependent Disease: Proteomic Profiling and Pre-Clinical Efficacy Of a Selective Bcl-2 Antagonist ABT-199. <i>Blood</i> , 2013, 122, 3919-3919.	1.4	2
98	Preclinical Studies of Granulysin-Based Anti-MUC1-Tn Immunotoxins as a New Antitumoral Treatment. <i>Biomedicines</i> , 2022, 10, 1223.	3.2	2
99	Luminescent Bimetallic Ir ^{III} /Au ^I Peptide Bioconjugates as Potential Theranostic Agents. <i>Chemistry - A European Journal</i> , 2020, 26, 12085-12085.	3.3	1
100	La mitochondrie, chef d'orchestre de la mort cellulaire. <i>Biofutur</i> , 1998, 1998, 32-36.	0.0	0
101	Coopération mortelle entre la protéine pro-apoptotique Bax et le translocateur Δ adnine nucléotidique pour le contrôle mitochondrial de l'apoptose.. <i>Medecine/Sciences</i> , 1998, 14, 1399.	0.2	0