

# Josã© Martã-n Quintana Aguiar

## List of Publications by Year in descending order

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87  
papers

2,258  
citations

159358  
30  
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264894  
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93  
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93  
docs citations

93  
times ranked

2919  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of proliferation and induction of apoptosis by melatonin in human myeloid HL-60 cells. <i>Journal of Pineal Research</i> , 2007, 42, 131-138.	3.4	81
2	Melatonin decreases cell proliferation and induces melanogenesis in human melanoma SK-MEL-1 cells. <i>Journal of Pineal Research</i> , 2010, 49, no-no.	3.4	78
3	Ceramide mediates tumor necrosis factor effects on P450-aromatase activity in cultured granulosa cells. <i>Endocrinology</i> , 1995, 136, 2345-2348.	1.4	71
4	Identification and quantitation of allelochemicals from the lichen <i>Lethariella canariensis</i> : phytotoxicity and antioxidative activity. <i>Journal of Chemical Ecology</i> , 2003, 29, 2049-2071.	0.9	69
5	Interleukin-1 beta stimulates sphingomyelin hydrolysis in cultured granulosa cells: evidence for a regulatory role of ceramide on progesterone and prostaglandin biosynthesis. <i>Endocrinology</i> , 1996, 137, 2480-2489.	1.4	63
6	Antiproliferative Activity of Abietane Diterpenoids against Human Tumor Cells. <i>Journal of Natural Products</i> , 2013, 76, 1413-1423.	1.5	59
7	A polyclonal antibody to a synthetic peptide derived from the rat follicle-stimulating hormone receptor reveals the recombinant receptor as a 74-kilodalton protein. <i>Endocrinology</i> , 1993, 133, 2098-2104.	1.4	58
8	c-Jun Is a Downstream Target for Ceramide-activated Protein Phosphatase in A431 Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 21375-21380.	1.6	58
9	New Lanostanoids from the Fungus <i>Ganoderma concinna</i> . <i>Journal of Natural Products</i> , 2002, 65, 417-421.	1.5	57
10	Steroidal Saponins from the Bark of <i>Dracaena draco</i> and Their Cytotoxic Activities. <i>Journal of Natural Products</i> , 2003, 66, 793-798.	1.5	55
11	Acetyl derivative of quercetin 3-methyl ether-induced cell death in human leukemia cells is amplified by the inhibition of ERK. <i>Carcinogenesis</i> , 2007, 28, 2105-2113.	1.3	53
12	Melatonin induces apoptosis through a caspase-dependent but reactive oxygen species-independent mechanism in human leukemia Molt-3 cells. <i>Journal of Pineal Research</i> , 2013, 55, 195-206.	3.4	52
13	Synthesis and Antiproliferative Activity of a New Compound Containing an Î±-Methylene-Î³-Lactone Group. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 2358-2361.	2.9	48
14	Induction of G <sub>2</sub> /M phase arrest and apoptosis by the flavonoid tamarixetin on human leukemia cells. <i>Molecular Carcinogenesis</i> , 2014, 53, 939-950.	1.3	48
15	Astragalin heptaacetate-induced cell death in human leukemia cells is dependent on caspases and activates the MAPK pathway. <i>Cancer Letters</i> , 2011, 309, 71-77.	3.2	47
16	Potent induction of apoptosis by germacranolide sesquiterpene lactones on human myeloid leukemia cells. <i>European Journal of Pharmacology</i> , 2003, 482, 77-84.	1.7	46
17	Lanostanoid Triterpenes from <i>Laetiporus sulphureus</i> and Apoptosis Induction on HL-60 Human Myeloid Leukemia Cells. <i>Journal of Natural Products</i> , 2004, 67, 2008-2011.	1.5	45
18	Melatonin enhances hyperthermia-induced apoptotic cell death in human leukemia cells. <i>Journal of Pineal Research</i> , 2016, 61, 381-395.	3.4	45

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19	Recent Advances on Cytotoxic Sesquiterpene Lactones. <i>Current Pharmaceutical Design</i> , 2019, 24, 4355-4361.	0.9	42
20	Icogenin, a new cytotoxic steroidal saponin isolated from <i>Dracaena draco</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 4423-4429.	1.4	41
21	Phenylbenzopyrones structure-activity studies identify betuletol derivatives as potential antitumoral agents. <i>European Journal of Pharmacology</i> , 2006, 548, 9-20.	1.7	41
22	The regulation of the binding affinity of the luteinizing hormone/choriogonadotropin receptor by sodium ions is mediated by a highly conserved aspartate located in the second transmembrane domain of G protein-coupled receptors.. <i>Molecular Endocrinology</i> , 1993, 7, 767-775.	3.7	39
23	Cladocalol, a pentacyclic 28-nor-triterpene from <i>Eucalyptus cladocalyx</i> with cytotoxic activity. <i>Phytochemistry</i> , 2005, 66, 627-632.	1.4	39
24	Cytotoxic Activities of Flavonoid Glycoside Acetates from <i>Consolida oliveriana</i> . <i>Planta Medica</i> , 2008, 74, 171-174.	0.7	35
25	The regulation of the binding affinity of the luteinizing hormone/choriogonadotropin receptor by sodium ions is mediated by a highly conserved aspartate located in the second transmembrane domain of G protein-coupled receptors. <i>Molecular Endocrinology</i> , 1993, 7, 767-775.	3.7	34
26	Isolation from <i>Eucalyptus occidentalis</i> and Identification of a New Kaempferol Derivative that Induces Apoptosis in Human Myeloid Leukemia Cells. <i>Journal of Natural Products</i> , 2004, 67, 527-531.	1.5	33
27	Trifolin acetate-induced cell death in human leukemia cells is dependent on caspase-6 and activates the MAPK pathway. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008, 13, 716-728.	2.2	33
28	Eupatorin-Induced Cell Death in Human Leukemia Cells Is Dependent on Caspases and Activates the Mitogen-Activated Protein Kinase Pathway. <i>PLoS ONE</i> , 2014, 9, e112536.	1.1	33
29	The abietane diterpenoid parvifloron D from <i>Plectranthus ecklonii</i> is a potent apoptotic inducer in human leukemia cells. <i>Phytomedicine</i> , 2015, 22, 1009-1016.	2.3	33
30	Novel Cytostatic Lanostanoid Triterpenes from <i>Ganoderma australe</i> . <i>Helvetica Chimica Acta</i> , 2003, 86, 3088-3095.	1.0	32
31	A flavonoid with cytotoxic activity and other constituents from <i>Centaurea africana</i> . <i>Phytochemistry Letters</i> , 2009, 2, 114-118.	0.6	29
32	A chemotaxonomic study of endemic species of genus <i>Tanacetum</i> from the Canary Islands. <i>Phytochemistry</i> , 2013, 92, 87-104.	1.4	28
33	Melatonin prevents apoptosis and enhances HSP27 mRNA expression induced by heat shock in HL-60 cells: possible involvement of the MT2 receptor. <i>Journal of Pineal Research</i> , 2003, 35, 231-238.	3.4	27
34	Synthesis and effects on cell viability of flavonols and 3-methyl ether derivatives on human leukemia cells. <i>European Journal of Medicinal Chemistry</i> , 2014, 84, 30-41.	2.6	27
35	Naturally occurring asteriscunolide A induces apoptosis and activation of mitogen-activated protein kinase pathway in human tumor cell lines. <i>Molecular Carcinogenesis</i> , 2010, 49, 488-499.	1.3	25
36	Phenalenone-photodynamic therapy induces apoptosis on human tumor cells mediated by caspase-8 and p38-MAPK activation. <i>Molecular Carcinogenesis</i> , 2018, 57, 1525-1539.	1.3	25

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37	Ceramide mediates tumor necrosis factor effects on P450-aromatase activity in cultured granulosa cells. , 0, .		25
38	Sesquiterpenoids from <i>Pulicaria canariensis</i> and Their Cytotoxic Activities#. Journal of Natural Products, 2005, 68, 523-531.	1.5	24
39	5,7,3,4-trihydroxy-3,4-dimethoxyflavone-induced cell death in human Leukemia cells is dependent on caspases and activates the MAPK pathway. Molecular Carcinogenesis, 2010, 49, 464-475.	1.3	23
40	Sesquiterpenoid Derivatives from <i>Gonospermum elegans</i> and Their Cytotoxic Activity for HL-60 Human Promyelocytic Cells#. Journal of Natural Products, 2003, 66, 943-948.	1.5	21
41	A Homo-Isoflavonoid and a Cytotoxic Saponin from <i>Dracaena draco</i> . Chemistry and Biodiversity, 2006, 3, 62-68.	1.0	21
42	A New Ceramide from <i>Suillus luteus</i> and Its Cytotoxic Activity against Human Melanoma Cells. Chemistry and Biodiversity, 2008, 5, 120-125.	1.0	20
43	Cytotoxic sesquiterpene lactones and other constituents of <i>Centaurea omphalotricha</i> . Journal of the Brazilian Chemical Society, 2012, 23, 977-983.	0.6	20
44	Anticancer properties of the abietane diterpene 6,7-dehydroroyleanone obtained by optimized extraction. Future Medicinal Chemistry, 2018, 10, 1177-1189.	1.1	20
45	The inducible isoform of CREM (inducible cAMP early repressor, ICER) is a repressor of CYP19 rat ovarian promoter. Journal of Endocrinology, 2003, 179, 417-425.	1.2	19
46	Melatonin Induces Melanogenesis in Human SK-MEL-1 Melanoma Cells Involving Glycogen Synthase Kinase-3 and Reactive Oxygen Species. International Journal of Molecular Sciences, 2020, 21, 4970.	1.8	19
47	Induction of Guanosine Triphosphate-Cyclohydrolase by Follicle-Stimulating Hormone Enhances Interleukin-1 $\beta$ -Stimulated Nitric Oxide Synthase Activity in Granulosa Cells. Endocrinology, 1997, 138, 162-168.	1.4	17
48	Betuletol 3-methyl ether induces G <sub>2</sub> -M phase arrest and activates the sphingomyelin and MAPK pathways in human leukemia cells. Molecular Carcinogenesis, 2010, 49, 32-43.	1.3	17
49	Gardenin B-induced cell death in human leukemia cells involves multiple caspases but is independent of the generation of reactive oxygen species. Chemico-Biological Interactions, 2016, 256, 220-227.	1.7	17
50	Isolation, Structure Elucidation, Total Synthesis, and Evaluation of New Natural and Synthetic Ceramides on Human SK-MEL-1 Melanoma Cells. Journal of Medicinal Chemistry, 2006, 49, 5830-5839.	2.9	16
51	Design, synthesis, <i>in vitro</i> antiproliferative activity and apoptosis-inducing studies of 1-(3,4,5-trimethoxyphenyl)-3-(2-alkoxycarbonylindolyl)-2-propen-1-one derivatives obtained by a molecular hybridisation approach. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1225-1238.	2.5	16
52	A polyclonal antibody to a synthetic peptide derived from the rat follicle-stimulating hormone receptor reveals the recombinant receptor as a 74-kilodalton protein. , 0, .		16
53	Induction of G <sub>2</sub> -M phase arrest and apoptosis by $\beta$ -methylene- $\gamma$ -butyrolactones in human leukemia cells. Cancer Letters, 2008, 269, 139-147.	3.2	15
54	Sesquiterpenoids Isolated from Two Species of the <i>Asteriscus</i> Alliance. Journal of Natural Products, 2016, 79, 1292-1297.	1.5	15

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55	Effect of the protein phosphatase inhibitor okadaic acid on FSH-induced granulosa cell steroidogenesis. <i>Journal of Endocrinology</i> , 1997, 152, 131-139.	1.2	13
56	Chemiluminescence-Based Detection of Minute Amounts of Apoptotic DNA. <i>BioTechniques</i> , 1998, 24, 354-358.	0.8	12
57	Enantioselective Synthesis and Biological Activity of (3S,4R)- and (3S,4S)-3-Hydroxy-4-hydroxymethyl-4-butanolides in Relation to PGE2. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 292-295.	2.9	12
58	Sesquiterpene lactones and other constituents from <i>Matricaria chamomilla</i> L. <i>Biochemical Systematics and Ecology</i> , 2007, 35, 533-538.	0.6	12
59	Synthesis of novel spirostanic saponins and their cytotoxic activity. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 2063-2076.	1.4	12
60	Sesquiterpene Lactones from <i>Gonospermum gomerae</i> and <i>G. fruticosum</i> and Their Cytotoxic Activities. <i>Journal of Natural Products</i> , 2008, 71, 2015-2020.	1.5	12
61	Cell death triggered by synthetic flavonoids in human leukemia cells is amplified by the inhibition of extracellular signal-regulated kinase signaling. <i>European Journal of Medicinal Chemistry</i> , 2012, 55, 284-296.	2.6	12
62	Testicular 3 $\beta$ -hydroxysteroid dehydrogenase/17 $\beta$ -4 isomerase in the hypophysectomized rat: effect of treatment with 5 $\alpha$ -dihydrotestosterone. <i>Journal of Endocrinology</i> , 1992, 133, 237-243.	1.2	11
63	5,7,3-trihydroxy-3,4-dimethoxyflavone inhibits the tubulin polymerization and activates the sphingomyelin pathway. <i>Molecular Carcinogenesis</i> , 2011, 50, 113-122.	1.3	11
64	3 $\beta$ -Hydroxy-3,4-dimethoxyflavone-induced cell death in human leukaemia cells is dependent on caspases and reactive oxygen species and attenuated by the inhibition of JNK/SAPK. <i>Chemico-Biological Interactions</i> , 2018, 288, 1-11.	1.7	11
65	Does oligosaccharide-phosphatidylinositol (glycosyl-phosphatidylinositol) hydrolysis mediate prolactin signal transduction in granulosa cells?. <i>FEBS Journal</i> , 1993, 216, 747-755.	0.2	10
66	Synthesis and biological evaluation of alpha-bromoacryloylamido indolyl pyridinyl propenones as potent apoptotic inducers in human leukaemia cells. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 727-742.	2.5	10
67	A Novel Naphthoquinone-Coumarin Hybrid That Inhibits BCR-ABL1-STAT5 Oncogenic Pathway and Reduces Survival in Imatinib-Resistant Chronic Myelogenous Leukemia Cells. <i>Frontiers in Pharmacology</i> , 2018, 9, 1546.	1.6	10
68	Secondary Metabolites from Two Species of <i>Pulicaria</i> and Their Cytotoxic Activity. <i>Chemistry and Biodiversity</i> , 2011, 8, 2080-2089.	1.0	9
69	3 $\beta$ -Hydroxy-3,4-dimethoxyflavone blocks tubulin polymerization and is a potent apoptotic inducer in human SK-MEL-1 melanoma cells. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 6060-6070.	1.4	9
70	6 $\beta$ -Benzyloxy-4-bromo-2-hydroxychalcone is cytotoxic against human leukaemia cells and induces caspase-8- and reactive oxygen species-dependent apoptosis. <i>Chemico-Biological Interactions</i> , 2019, 298, 137-145.	1.7	9
71	Chlorinated Guaiane-Type Sesquiterpene Lactones as Cytotoxic Agents against Human Tumor Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9767.	1.8	9
72	Diacylglycerol rather than Ca <sup>2+</sup> mediates GnRH inhibition of FSH induced steroidogenesis in ovarian granulosa cells. <i>Biochemical and Biophysical Research Communications</i> , 1992, 188, 198-204.	1.0	8

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73	Follicle-stimulating hormone and human chorionic gonadotropin induced changes in granulosa cell glycosyl-phosphatidylinositol concentration. <i>Journal of Cellular Physiology</i> , 1993, 155, 273-281.	2.0	8
74	The eudesmanolide tanapsin from <i>Tanacetum oshanahanii</i> and its acetate induce cell death in human tumor cells through a mechanism dependent on reactive oxygen species. <i>Phytomedicine</i> , 2015, 22, 385-393.	2.3	8
75	Antiproliferative activity and apoptosis induction by 3,4-dibenzoyloxyflavonol on human leukemia cells. <i>Chemico-Biological Interactions</i> , 2017, 268, 13-23.	1.7	8
76	Secondary metabolites from two <i>Hispaniola Ageratina</i> species and their cytotoxic activity. <i>Medicinal Chemistry Research</i> , 2018, 27, 1792-1799.	1.1	8
77	Apoptosis Pathways Triggered by a Potent Antiproliferative Hybrid Chalcone on Human Melanoma Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13462.	1.8	8
78	Synthesis and Biological Evaluation of 2-Substituted Benzyl-/Phenylethylamino-4-amino-5-arylthiazoles as Apoptosis-Inducing Anticancer Agents. <i>Molecules</i> , 2020, 25, 2177.	1.7	6
79	Ethanol Enhances Hyperthermia-Induced Cell Death in Human Leukemia Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4948.	1.8	5
80	Ayanin diacetate-induced cell death is amplified by TRAIL in human leukemia cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 428, 116-120.	1.0	4
81	The synthetic flavanone 6-methoxy-2-(naphthalen-1-yl)chroman-4-one induces apoptosis and activation of the MAPK pathway in human U-937 leukaemia cells. <i>Bioorganic Chemistry</i> , 2020, 94, 103450.	2.0	4
82	Cytotoxicity of the Sesquiterpene Lactone Spiciformin and Its Acetyl Derivative against the Human Leukemia Cell Lines U-937 and HL-60. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2782.	1.8	4
83	Pregnane steroidal glycosides and their cytostatic activities. <i>Glycobiology</i> , 2011, 21, 619-624.	1.3	3
84	Structure-activity relationships reveal a 2-furoyloxychalcone as a potent cytotoxic and apoptosis inducer for human U-937 and HL-60 leukaemia cells. <i>Bioorganic Chemistry</i> , 2022, 127, 105926.	2.0	3
85	Partial characterization of a thyrotropin releasing hormone-sensitive glycosyl-phosphatidylinositol in pituitary lactotrophes. <i>Neuroscience Letters</i> , 1995, 187, 37-40.	1.0	2
86	Synthetic menthyl 1,2-(1 $\rightarrow$ 6)-diglucopyranosides-induced cell death in human leukemia cells is dependent on caspases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 3665-3670.	1.0	1
87	Design and synthesis of naphthylchalcones as novel anti-leukaemia agents. <i>Bioorganic Chemistry</i> , 2021, 117, 105348.	2.0	1