M Helena Vasconcelos

List of Publications by Year in Descending Order

106 papers	10,447 citations	34 h-index	102 g-index
122 ext. papers	12,467 ext. citations	5.6 avg, IF	5.58 L-index

#	Paper	IF	Citations
106	The role of extracellular vesicles in the transfer of drug resistance competences to cancer cells.. *Drug Resistance Updates*, **2022**, 62, 100833	23.2	1
105	3D Cell Culture Models as Recapitulators of the Tumor Microenvironment for the Screening of Anti-Cancer Drugs.. *Cancers*, **2021**, 14,	6.6	8
104	Different Ability of Multidrug-Resistant and -Sensitive Counterpart Cells to Release and Capture Extracellular Vesicles. *Cells*, **2021**, 10,	7.9	1
103	miRNAs mediated drug resistance in hematological malignancies. *Seminars in Cancer Biology*, **2021**,	12.7	4
102	Chitinase 3-like-1 and fibronectin in the cargo of extracellular vesicles shed by human macrophages influence pancreatic cancer cellular response to gemcitabine. *Cancer Letters*, **2021**, 501, 210-223	9.9	20
101	Joining European Scientific Forces to Face Pandemics. *Trends in Microbiology*, **2021**, 29, 92-97	12.4	3
100	Drug Repurposing Opportunities in Pancreatic Ductal Adenocarcinoma. *Pharmaceuticals*, **2021**, 14,	5.2	2
99	Impact of cancer metabolism on therapy resistance - Clinical implications.. *Drug Resistance Updates*, **2021**, 100797	23.2	3
98	The Role of Extracellular Vesicles in the Hallmarks of Cancer and Drug Resistance. *Cells*, **2020**, 9,	7.9	45
97	Urinary Biomarkers in Bladder Cancer: Where Do We Stand and Potential Role of Extracellular Vesicles. *Cancers*, **2020**, 12,	6.6	19
96	Preliminary Virtual Screening Studies to Identify GRP78 Inhibitors Which May Interfere with SARS-CoV-2 Infection. *Pharmaceuticals*, **2020**, 13,	5.2	39
95	Multiple Myeloma: Available Therapies and Causes of Drug Resistance. *Cancers*, **2020**, 12,	6.6	62
94	Deep Sequencing Analysis Reveals Distinctive Non-Coding RNAs When Comparing Tumor Multidrug-Resistant Cells and Extracellular Vesicles with Drug-Sensitive Counterparts. *Cancers*, **2020**, 12,	6.6	8
93	Development of potent CPP6-gemcitabine conjugates against human prostate cancer cell line (PC-3). *RSC Medicinal Chemistry*, **2020**, 11, 268-273	3.5	6
92	The multi-factorial nature of clinical multidrug resistance in cancer. *Drug Resistance Updates*, **2019**, 46, 100645	23.2	155
91	Synthesis of novel 8-(het)aryl-6H-pyrano[4?,3?:4,5]thieno[3,2-b]pyridines by 6-endo-dig cyclization of Sonogashira products and halolactonizations with Cu salts/NXS. Preliminary antitumor evaluation. *Tetrahedron*, **2019**, 75, 1387-1397	2.4	6
90	Eucalyptus globulus Labill. decoction extract inhibits the growth of NCI-H460 cells by increasing the p53 levels and altering the cell cycle profile. *Food and Function*, **2019**, 10, 3188-3197	6.1	4

89	Synthesis of New Proteomimetic Quinazolinone Alkaloids and Evaluation of Their Neuroprotective and Antitumor Effects. *Molecules*, **2019**, 24,	4.8	10
88	Extracellular vesicles as a novel source of biomarkers in liquid biopsies for monitoring cancer progression and drug resistance. *Drug Resistance Updates*, **2019**, 47, 100647	23.2	61
87	Design and synthesis of new inhibitors of p53MDM2 interaction with a chalcone scaffold. *Arabian Journal of Chemistry*, **2019**, 12, 4150-4161	5.9	16
86	Synthesis and Evaluation of the Tumor Cell Growth Inhibitory Potential of New Putative HSP90 Inhibitors. *Molecules*, **2018**, 23,	4.8	5
85	Achillea millefolium L. hydroethanolic extract inhibits growth of human tumor cell lines by interfering with cell cycle and inducing apoptosis. *Food and Chemical Toxicology*, **2018**, 118, 635-644	4.7	15
84	The Antitumor Activity of a Lead Thioxanthone is Associated with Alterations in Cholesterol Localization. *Molecules*, **2018**, 23,	4.8	10
83	Antitumor Activity of Quinazolinone Alkaloids Inspired by Marine Natural Products. *Marine Drugs*, **2018**, 16,	6	13
82	Melissa officinalis L. ethanolic extract inhibits the growth of a lung cancer cell line by interfering with the cell cycle and inducing apoptosis. *Food and Function*, **2018**, 9, 3134-3142	6.1	14
81	Suppression of spindly delays mitotic exit and exacerbates cell death response of cancer cells treated with low doses of paclitaxel. *Cancer Letters*, **2017**, 394, 33-42	9.9	13
80	Functional foods based on extracts or compounds derived from mushrooms. *Trends in Food Science and Technology*, **2017**, 66, 48-62	15.3	112
79	Identification of the metabolic alterations associated with the multidrug resistant phenotype in cancer and their intercellular transfer mediated by extracellular vesicles. *Scientific Reports*, **2017**, 7, 44541	4.9	47
78	Is there horizontal transfer of the oncogene BCR-ABL mediated by extracellular vesicles released by chronic myeloid leukemia cells?:. *Porto Biomedical Journal*, **2017**, 2, 192-193	1.1	
77	Is P-glycoprotein relevant for the release of microvesicles by tumor cells?:. *Porto Biomedical Journal* , **2017**, 2, 226	1.1	1
76	A novel curcumin derivative which inhibits P-glycoprotein, arrests cell cycle and induces apoptosis in multidrug resistance cells. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 581-596	3.4	34
75	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
74	Evidence-Based Clinical Use of Nanoscale Extracellular Vesicles in Nanomedicine. *ACS Nano*, **2016**, 10, 3886-99	16.7	304
73	Leccinum vulpinum Watling induces DNA damage, decreases cell proliferation and induces apoptosis on the human MCF-7 breast cancer cell line. *Food and Chemical Toxicology*, **2016**, 90, 45-54	4.7	18
72	Multidrug resistant tumour cells shed more microvesicle-like EVs and less exosomes than their drug-sensitive counterpart cells. *Biochimica Et Biophysica Acta - General Subjects*, **2016**, 1860, 618-27	4	38

71	Understanding Cancer Drug Resistance by Developing and Studying Resistant Cell Line Models. *Current Cancer Drug Targets*, **2016**, 16, 226-37	2.8	18
70	Modulation of Autophagy by a Thioxanthone Decreases the Viability of Melanoma Cells. *Molecules*, **2016**, 21,	4.8	23
69	Screening a Small Library of Xanthones for Antitumor Activity and Identification of a Hit Compound which Induces Apoptosis. *Molecules*, **2016**, 21, 81	4.8	20
68	Leccinum molle (Bon) Bon and Leccinum vulpinum Watling: The First Study of Their Nutritional and Antioxidant Potential. *Molecules*, **2016**, 21, 246	4.8	4
67	An Aqueous Extract of Tuberaria lignosa Inhibits Cell Growth, Alters the Cell Cycle Profile, and Induces Apoptosis of NCI-H460 Tumor Cells. *Molecules*, **2016**, 21,	4.8	7
66	Curcumin as a Modulator of P-Glycoprotein in Cancer: Challenges and Perspectives. *Pharmaceuticals*, **2016**, 9,	5.2	52
65	Can macroalgae provide promising anti-tumoral compounds? A closer look at Cystoseira tamariscifolia as a source for antioxidant and anti-hepatocarcinoma compounds. *PeerJ*, **2016**, 4, e1704	3.1	23
64	Data supporting the shedding of larger extracellular vesicles by multidrug resistant tumour cells. *Data in Brief*, **2016**, 6, 1023-7	1.2	7
63	Intercellular Transfer of Cancer Drug Resistance Traits by Extracellular Vesicles. *Trends in Molecular Medicine*, **2015**, 21, 595-608	11.5	97
62	Chemical features of Ganoderma polysaccharides with antioxidant, antitumor and antimicrobial activities. *Phytochemistry*, **2015**, 114, 38-55	4	178
61	Biological properties of extracellular vesicles and their physiological functions. *Journal of Extracellular Vesicles*, **2015**, 4, 27066	16.4	2611
60	Cordyceps militaris (L.) Link Fruiting Body Reduces the Growth of a Non-Small Cell Lung Cancer Cell Line by Increasing Cellular Levels of p53 and p21. *Molecules*, **2015**, 20, 13927-40	4.8	16
59	Methanolic Extract of Ganoderma lucidum Induces Autophagy of AGS Human Gastric Tumor Cells. *Molecules*, **2015**, 20, 17872-82	4.8	23
58	Anti-influenza neuraminidase inhibitor oseltamivir phosphate induces canine mammary cancer cell aggressiveness. *PLoS ONE*, **2015**, 10, e0121590	3.7	8
57	Curcumin: A Natural Lead for Potential New Drug Candidates. *Current Medicinal Chemistry*, **2015**, 22, 4196-232	4.3	55
56	Therapy-induced enrichment of putative lung cancer stem-like cells. *International Journal of Cancer*, **2014**, 134, 1270-8	7.5	50
55	The network of P-glycoprotein and microRNAs interactions. *International Journal of Cancer*, **2014**, 135, 253-63	7.5	41
54	Potential small-molecule activators of caspase-7 identified using yeast-based caspase-3 and -7 screening assays. *European Journal of Pharmaceutical Sciences*, **2014**, 54, 8-16	5.1	7

53	Can Suillus granulatus (L.) Roussel be classified as a functional food?. *Food and Function*, **2014**, 5, 2861-9	6.1	12
52	A methanolic extract of Ganoderma lucidum fruiting body inhibits the growth of a gastric cancer cell line and affects cellular autophagy and cell cycle. *Food and Function*, **2014**, 5, 1389-94	6.1	20
51	Flower extracts of Filipendula ulmaria (L.) Maxim inhibit the proliferation of the NCI-H460 tumour cell line. *Industrial Crops and Products*, **2014**, 59, 149-153	5.9	14
50	Suillus luteus methanolic extract inhibits proliferation and increases expression of p-H2A.X in a non-small cell lung cancer cell line. *Journal of Functional Foods*, **2014**, 6, 100-106	5.1	4
49	Effect of miR-128 in DNA damage of HL-60 acute myeloid leukemia cells. *Current Pharmaceutical Biotechnology*, **2014**, 15, 492-502	2.6	20
48	Structure based design, synthesis, and evaluation of potential inhibitors of steroid sulfatase. *Current Topics in Medicinal Chemistry*, **2014**, 14, 1033-44	3	7
47	MicroRNAs in Cancer Drug Resistance and Drug Sensitivity **2014**, 251-293		
46	Bioactive xanthones with effect on P-glycoprotein and prediction of intestinal absorption. *Medicinal Chemistry Research*, **2013**, 22, 2115-2123	2.2	15
45	Development of noncytotoxic PLGA nanoparticles to improve the effect of a new inhibitor of p53-MDM2 interaction. *International Journal of Pharmaceutics*, **2013**, 454, 394-402	6.5	15
44	Pyranoxanthones: Synthesis, growth inhibitory activity on human tumor cell lines and determination of their lipophilicity in two membrane models. *European Journal of Medicinal Chemistry*, **2013**, 69, 798-816	6.8	28
43	New di(hetero)arylethers and di(hetero)arylamines in the thieno[3,2-b]pyridine series: synthesis, growth inhibitory activity on human tumor cell lines and non-tumor cells, effects on cell cycle and on programmed cell death. *European Journal of Medicinal Chemistry*, **2013**, 69, 855-62	6.8	19
42	Multidimensional optimization of promising antitumor xanthone derivatives. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 2941-59	3.4	15
41	Suillus luteus methanolic extract inhibits cell growth and proliferation of a colon cancer cell line. *Food Research International*, **2013**, 53, 476-481	7	9
40	Cytotoxicity and Cell Death Mechanisms Induced by a Novel Bisnaphthalimidopropyl Derivative against the NCI-H460 non-small Lung Cancer Cell Line. *Anti-Cancer Agents in Medicinal Chemistry*, **2013**, 13, 414-421	2.2	1
39	Sulfated small molecules targeting eBV in Burkitt lymphoma: from in silico screening to the evidence of in vitro effect on viral episomal DNA. *Chemical Biology and Drug Design*, **2013**, 81, 631-44	2.9	8
38	Poster session 3. Drug profiles - preclinical. *Annals of Oncology*, **2013**, 24, i23-i26	10.3	
37	Targeting miR-21 induces autophagy and chemosensitivity of leukemia cells. *Current Drug Targets*, **2013**, 14, 1135-43	3	82
36	Cytotoxicity and cell death mechanisms induced by a novel bisnaphthalimidopropyl derivative against the NCI-H460 non-small lung cancer cell line. *Anti-Cancer Agents in Medicinal Chemistry*, **2013**, 13, 414-21	2.2	8

35	Natural compounds with cell growth inhibitory activity in human tumor cell lines. *Anti-Cancer Agents in Medicinal Chemistry*, **2013**, 13, 1582-9	2.2	2
34	Dual inhibitors of P-glycoprotein and tumor cell growth: (re)discovering thioxanthones. *Biochemical Pharmacology*, **2012**, 83, 57-68	6	93
33	Solid-phase synthesis of 2Shydroxychalcones. Effects on cell growth inhibition, cell cycle and apoptosis of human tumor cell lines. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 25-33	3.4	30
32	Enantiomeric resolution of albendazole sulfoxide by semipreparative HPLC and in vitro study of growth inhibitory effects on human cancer cell lines. *Journal of Pharmaceutical and Biomedical Analysis*, **2012**, 66, 100-8	3.5	16
31	Suillus collinitus methanolic extract increases p53 expression and causes cell cycle arrest and apoptosis in a breast cancer cell line. *Food Chemistry*, **2012**, 135, 596-602	8.5	29
30	Multidrug resistance reversal effects of aminated thioxanthones and interaction with cytochrome P450 3A4. *Journal of Pharmacy and Pharmaceutical Sciences*, **2012**, 15, 31-45	3.4	9
29	Synthesis of a natural chalcone and its prenyl analogs--evaluation of tumor cell growth-inhibitory activities, and effects on cell cycle and apoptosis. *Chemistry and Biodiversity*, **2012**, 9, 1133-43	2.5	21
28	Clitocybe alexandri extract induces cell cycle arrest and apoptosis in a lung cancer cell line: Identification of phenolic acids with cytotoxic potential. *Food Chemistry*, **2012**, 132, 482-6	8.5	29
27	Three decades of P-gp inhibitors: skimming through several generations and scaffolds. *Current Medicinal Chemistry*, **2012**, 19, 1946-2025	4.3	332
26	Structure and ligand-based design of P-glycoprotein inhibitors: a historical perspective. *Current Pharmaceutical Design*, **2012**, 18, 4197-214	3.3	38
25	Aminodi(hetero)arylamines in the thieno[3,2-b]pyridine series: synthesis, effects in human tumor cells growth, cell cycle analysis, apoptosis and evaluation of toxicity using non-tumor cells. *Molecules*, **2012**, 17, 3834-43	4.8	14
24	MicroRNA regulation of core apoptosis pathways in cancer. *European Journal of Cancer*, **2011**, 47, 163-74	7.5	217
23	Phenolic profile of seventeen Portuguese wild mushrooms. *LWT - Food Science and Technology*, **2011**, 44, 343-346	5.4	45
22	Sartoryglabrins, Analogs of Ardeemins, from Neosartorya Glabra. *Natural Product Communications*, **2011**, 6, 1934578X1100600	0.9	0
21	New uses for old drugs: pharmacophore-based screening for the discovery of P-glycoprotein inhibitors. *Chemical Biology and Drug Design*, **2011**, 78, 57-72	2.9	47
20	Anti-hepatocellular carcinoma activity using human HepG2 cells and hepatotoxicity of 6-substituted methyl 3-aminothieno[3,2-b]pyridine-2-carboxylate derivatives: in vitro evaluation, cell cycle analysis and QSAR studies. *European Journal of Medicinal Chemistry*, **2011**, 46, 5800-6	6.8	130
19	EBV interferes with the sensitivity of Burkitt lymphoma Akata cells to etoposide. *Journal of Cellular Biochemistry*, **2011**, 112, 200-10	4.7	6
18	Chemical composition of wild edible mushrooms and antioxidant properties of their water soluble polysaccharidic and ethanolic fractions. *Food Chemistry*, **2011**, 126, 610-616	8.5	125

17	Synthesis and evaluation of tumor cell growth inhibition of methyl 3-amino-6-[(hetero)arylethynyl]thieno[3,2-b]pyridine-2-carboxylates. Structure-activity relationships, effects on the cell cycle and apoptosis. *European Journal of Medicinal Chemistry*, **2011** 46, 236-40	6.8	24
16	Prenylated derivatives of baicalein and 3,7-dihydroxyflavone: synthesis and study of their effects on tumor cell lines growth, cell cycle and apoptosis. *European Journal of Medicinal Chemistry*, **2011**, 46, 2562-74	6.8	56
15	Treatment of Akata EBV-positive cells with doxorubicin causes more EBV reactivation than treatment with etoposide. *Chemotherapy*, **2011**, 57, 195-203	3.2	12
14	Simultaneous targeting of P-gp and XIAP with siRNAs increases sensitivity of P-gp overexpressing CML cells to imatinib. *Hematology*, **2011**, 16, 100-8	2.2	16
13	Sartoryglabrins, analogs of ardeemins, from Neosartorya glabra. *Natural Product Communications*, **2011**, 6, 807-12	0.9	17
12	Insights into the in vitro antitumor mechanism of action of a new pyranoxanthone. *Chemical Biology and Drug Design*, **2010**, 76, 43-58	2.9	36
11	miR signatures and the role of miRs in acute myeloid leukaemia. *European Journal of Cancer*, **2010**, 46, 1520-7	7.5	28
10	Wild mushrooms Clitocybe alexandri and Lepista inversa: in vitro antioxidant activity and growth inhibition of human tumour cell lines. *Food and Chemical Toxicology*, **2010**, 48, 2881-4	4.7	75
9	Efficient synthesis of 6-(hetero)arylthieno[3,2-b]pyridines by Suzuki-Miyaura coupling. Evaluation of growth inhibition on human tumor cell lines, SARs and effects on the cell cycle. *European Journal of Medicinal Chemistry*, **2010**, 45, 5628-34	6.8	29
8	Compounds from wild mushrooms with antitumor potential. *Anti-Cancer Agents in Medicinal Chemistry*, **2010**, 10, 424-36	2.2	199
7	Chemosensitization effects of XIAP downregulation in K562 leukemia cells. *Journal of Chemotherapy*, **2006**, 18, 98-102	2.3	26
6	Evidence for a specific intracellular localization of an antisense oligonucleotide in k562 cells. *Journal of Pharmacological Sciences*, **2005**, 99, 105-8	3.7	
5	Specific downregulation of bcl-2 and xIAP by RNAi enhances the effects of chemotherapeutic agents in MCF-7 human breast cancer cells. *Cancer Gene Therapy*, **2004**, 11, 309-16	5.4	160
4	Metal- and tissue-dependent relationship between metallothionein mRNA and protein. *Toxicology and Applied Pharmacology*, **2002**, 182, 91-7	4.6	52
3	Limited synergistic effect of antisense oligonucleotides against bcr-abl and transferrin receptor mRNA in leukemic cells in culture. *Cancer Letters*, **2000**, 152, 135-43	9.9	24
2	Effects of oleic acid, docosahexaenoic acid and eicosapentaenoic acid on background and genotoxin-induced frequencies of SCEs in Indian muntjac fibroblasts. *Mutagenesis*, **1999**, 14, 335-8	2.8	3
1	Evidence for differences in the post-transcriptional regulation of rat metallothionein isoforms. *Biochemical Journal*, **1996**, 315 (Pt 2), 665-71	3.8	44