

Melchiorre Cervello

List of Publications by Citations

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114
papers

5,850
citations

39
h-index

74
g-index

116
ext. papers

6,586
ext. citations

5.5
avg, IF

5.12
L-index

#	Paper	IF	Citations
114	Ras/Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR inhibitors: rationale and importance to inhibiting these pathways in human health. <i>Oncotarget</i> , 2011 , 2, 135-64	3.3	456
113	Roles of the Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR pathways in controlling growth and sensitivity to therapy-implications for cancer and aging. <i>Aging</i> , 2011 , 3, 192-222	5.6	437
112	GSK-3 as potential target for therapeutic intervention in cancer. <i>Oncotarget</i> , 2014 , 5, 2881-911	3.3	332
111	Antitumor effects of curcumin, alone or in combination with cisplatin or doxorubicin, on human hepatic cancer cells. Analysis of their possible relationship to changes in NF- κ B activation levels and in IAP gene expression. <i>Cancer Letters</i> , 2005 , 224, 53-65	9.9	265
110	Ras/Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR cascade inhibitors: how mutations can result in therapy resistance and how to overcome resistance. <i>Oncotarget</i> , 2012 , 3, 1068-111	3.3	250
109	Mutations and deregulation of Ras/Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR cascades which alter therapy response. <i>Oncotarget</i> , 2012 , 3, 954-87	3.3	214
108	Epidemiology, risk factors, and natural history of hepatocellular carcinoma. <i>Annals of the New York Academy of Sciences</i> , 2002 , 963, 13-20	6.5	213
107	Deregulation of the EGFR/PI3K/PTEN/Akt/mTORC1 pathway in breast cancer: possibilities for therapeutic intervention. <i>Oncotarget</i> , 2014 , 5, 4603-50	3.3	179
106	Targeted therapy for hepatocellular carcinoma: novel agents on the horizon. <i>Oncotarget</i> , 2012 , 3, 236-60,3	3.3	138
105	Therapeutic resistance resulting from mutations in Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR signaling pathways. <i>Journal of Cellular Physiology</i> , 2011 , 226, 2762-81	7	124
104	Akt as a therapeutic target in cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2008 , 12, 1139-65	6.4	114
103	Transcriptional regulation of miR-224 upregulated in human HCCs by NFB inflammatory pathways. <i>Journal of Hepatology</i> , 2012 , 56, 855-61	13.4	113
102	Effects of resveratrol, curcumin, berberine and other nutraceuticals on aging, cancer development, cancer stem cells and microRNAs. <i>Aging</i> , 2017 , 9, 1477-1536	5.6	112
101	Molecular mechanisms of sorafenib action in liver cancer cells. <i>Cell Cycle</i> , 2012 , 11, 2843-55	4.7	106
100	Effects of mutations in Wnt/ β catenin, hedgehog, Notch and PI3K pathways on GSK-3 activity-Diverse effects on cell growth, metabolism and cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016 , 1863, 2942-2976	4.9	101
99	Roles of EGFR and KRAS and their downstream signaling pathways in pancreatic cancer and pancreatic cancer stem cells. <i>Advances in Biological Regulation</i> , 2015 , 59, 65-81	6.2	98
98	The tumor microenvironment in hepatocellular carcinoma (review). <i>International Journal of Oncology</i> , 2012 , 40, 1733-47	4.4	97

97	Interleukin-6 and its soluble receptor in patients with liver cirrhosis and hepatocellular carcinoma. <i>World Journal of Gastroenterology</i> , 2006 , 12, 2563-8	5.6	86
96	Resistance to diverse apoptotic triggers in multidrug resistant HL60 cells and its possible relationship to the expression of P-glycoprotein, Fas and of the novel anti-apoptosis factors IAP (inhibitory of apoptosis proteins). <i>Cancer Letters</i> , 2002 , 180, 91-101	9.9	78
95	Roles of signaling pathways in drug resistance, cancer initiating cells and cancer progression and metastasis. <i>Advances in Biological Regulation</i> , 2015 , 57, 75-101	6.2	76
94	Roles of GSK-3 and microRNAs on epithelial mesenchymal transition and cancer stem cells. <i>Oncotarget</i> , 2017 , 8, 14221-14250	3.3	68
93	Targeting GSK3 and Associated Signaling Pathways Involved in Cancer. <i>Cells</i> , 2020 , 9,	7.9	67
92	Diverse roles of GSK-3: tumor promoter-tumor suppressor, target in cancer therapy. <i>Advances in Biological Regulation</i> , 2014 , 54, 176-96	6.2	64
91	Novel cationic solid-lipid nanoparticles as non-viral vectors for gene delivery. <i>Journal of Drug Targeting</i> , 2007 , 15, 295-301	5.4	63
90	Nanotechnology applications for the therapy of liver fibrosis. <i>World Journal of Gastroenterology</i> , 2014 , 20, 7242-51	5.6	62
89	Non invasive tools for the diagnosis of liver cirrhosis. <i>World Journal of Gastroenterology</i> , 2014 , 20, 18131-50	5.0	57
88	Nanostructured lipid carriers-containing anticancer compounds: preparation, characterization, and cytotoxicity studies. <i>Drug Delivery</i> , 2007 , 14, 61-7	7	57
87	Roles of NGAL and MMP-9 in the tumor microenvironment and sensitivity to targeted therapy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016 , 1863, 438-448	4.9	56
86	Oleocanthal exerts antitumor effects on human liver and colon cancer cells through ROS generation. <i>International Journal of Oncology</i> , 2017 , 51, 533-544	4.4	56
85	Emerging MEK inhibitors. <i>Expert Opinion on Emerging Drugs</i> , 2010 , 15, 203-23	3.7	50
84	Correlation between expression of cyclooxygenase-2 and the presence of inflammatory cells in human primary hepatocellular carcinoma: possible role in tumor promotion and angiogenesis. <i>World Journal of Gastroenterology</i> , 2005 , 11, 4638-43	5.6	49
83	Synthesis and characterization of polyaminoacidic polycations for gene delivery. <i>Biomaterials</i> , 2006 , 27, 2066-75	15.6	46
82	Heat shock protein 70 serum levels differ significantly in patients with chronic hepatitis, liver cirrhosis, and hepatocellular carcinoma. <i>Frontiers in Immunology</i> , 2014 , 5, 307	8.4	44
81	Antitumor effects of dehydroxymethylepoxyquinomicin, a novel nuclear factor-kappaB inhibitor, in human liver cancer cells are mediated through a reactive oxygen species-dependent mechanism. <i>Molecular Pharmacology</i> , 2009 , 76, 290-300	4.3	43
80	Biocompatible Lipid Nanoparticles as Carriers To Improve Curcumin Efficacy in Ovarian Cancer Treatment. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 1342-1352	5.7	42

79	Cyclooxygenase-2 expression in chronic liver diseases and hepatocellular carcinoma: an immunohistochemical study. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1155, 293-9	6.5	40
78	Expression of WISPs and of their novel alternative variants in human hepatocellular carcinoma cells. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1028, 432-9	6.5	40
77	Induction of apoptosis and inhibition of cell growth in human hepatocellular carcinoma cells by COX-2 inhibitors. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1028, 440-9	6.5	39
76	Advances in targeting signal transduction pathways. <i>Oncotarget</i> , 2012 , 3, 1505-21	3.3	39
75	IL-6 -174G/C polymorphism and IL-6 serum levels in patients with liver cirrhosis and hepatocellular carcinoma. <i>OMICS A Journal of Integrative Biology</i> , 2011 , 15, 183-6	3.8	38
74	Novel combination of celecoxib and proteasome inhibitor MG132 provides synergistic antiproliferative and proapoptotic effects in human liver tumor cells. <i>Cell Cycle</i> , 2010 , 9, 1399-410	4.7	37
73	Targeting the cancer initiating cell: the ultimate target for cancer therapy. <i>Current Pharmaceutical Design</i> , 2012 , 18, 1784-95	3.3	36
72	Histamine and spontaneously released mast cell granules affect the cell growth of human hepatocellular carcinoma cells. <i>Experimental and Molecular Medicine</i> , 2007 , 39, 284-94	12.8	35
71	Metformin influences drug sensitivity in pancreatic cancer cells. <i>Advances in Biological Regulation</i> , 2018 , 68, 13-30	6.2	34
70	Regulation of GSK-3 activity by curcumin, berberine and resveratrol: Potential effects on multiple diseases. <i>Advances in Biological Regulation</i> , 2017 , 65, 77-88	6.2	31
69	The novel NF- κ B inhibitor DHMEQ synergizes with celecoxib to exert antitumor effects on human liver cancer cells by a ROS-dependent mechanism. <i>Cancer Letters</i> , 2012 , 322, 35-44	9.9	30
68	Emerging Raf inhibitors. <i>Expert Opinion on Emerging Drugs</i> , 2009 , 14, 633-48	3.7	30
67	Critical Roles of EGFR Family Members in Breast Cancer and Breast Cancer Stem Cells: Targets for Therapy. <i>Current Pharmaceutical Design</i> , 2016 , 22, 2358-88	3.3	30
66	Lipid nanocarriers containing sorafenib inhibit colonies formation in human hepatocarcinoma cells. <i>International Journal of Pharmaceutics</i> , 2015 , 493, 75-85	6.5	29
65	Targeting breast cancer initiating cells: advances in breast cancer research and therapy. <i>Advances in Biological Regulation</i> , 2014 , 56, 81-107	6.2	28
64	Roles of TP53 in determining therapeutic sensitivity, growth, cellular senescence, invasion and metastasis. <i>Advances in Biological Regulation</i> , 2017 , 63, 32-48	6.2	28
63	Pivotal roles of glycogen synthase-3 in hepatocellular carcinoma. <i>Advances in Biological Regulation</i> , 2017 , 65, 59-76	6.2	27
62	RAS/RAF/MEK/ERK, PI3K/PTEN/AKT/mTORC1 and TP53 pathways and regulatory miRs as therapeutic targets in hepatocellular carcinoma. <i>Expert Opinion on Therapeutic Targets</i> , 2019 , 23, 915-929	6.4	26

61	COX-2-dependent and COX-2-independent mode of action of celecoxib in human liver cancer cells. <i>OMICS A Journal of Integrative Biology</i> , 2011 , 15, 383-92	3.8	26
60	Induction of apoptosis by the proteasome inhibitor MG132 in human HCC cells: Possible correlation with specific caspase-dependent cleavage of beta-catenin and inhibition of beta-catenin-mediated transactivation. <i>International Journal of Molecular Medicine</i> , 2004 , 13, 741-8	4.4	26
59	Novel combination of sorafenib and celecoxib provides synergistic anti-proliferative and pro-apoptotic effects in human liver cancer cells. <i>PLoS ONE</i> , 2013 , 8, e65569	3.7	25
58	Potential of the antitumor effects of both selective cyclooxygenase-1 and cyclooxygenase-2 inhibitors in human hepatic cancer cells by inhibition of the MEK/ERK pathway. <i>Cancer Biology and Therapy</i> , 2007 , 6, 1461-8	4.6	25
57	Abilities of berberine and chemically modified berberines to inhibit proliferation of pancreatic cancer cells. <i>Advances in Biological Regulation</i> , 2019 , 71, 172-182	6.2	25
56	New landscapes and horizons in hepatocellular carcinoma therapy. <i>Aging</i> , 2020 , 12, 3053-3094	5.6	23
55	Frequent alteration of the Yin Yang 1/Raf-1 kinase inhibitory protein ratio in hepatocellular carcinoma. <i>OMICS A Journal of Integrative Biology</i> , 2011 , 15, 267-72	3.8	22
54	Targeting HSP90 with the small molecule inhibitor AUY922 (luminespib) as a treatment strategy against hepatocellular carcinoma. <i>International Journal of Cancer</i> , 2019 , 144, 2613-2624	7.5	22
53	Effects of berberine, curcumin, resveratrol alone and in combination with chemotherapeutic drugs and signal transduction inhibitors on cancer cells-Power of nutraceuticals. <i>Advances in Biological Regulation</i> , 2018 , 67, 190-211	6.2	21
52	A PTEN inhibitor displays preclinical activity against hepatocarcinoma cells. <i>Cell Cycle</i> , 2016 , 15, 573-83	4.7	21
51	Ectopic NGAL expression can alter sensitivity of breast cancer cells to EGFR, Bcl-2, CaM-K inhibitors and the plant natural product berberine. <i>Cell Cycle</i> , 2012 , 11, 4447-61	4.7	21
50	Expression of IAPs and alternative splice variants in hepatocellular carcinoma tissues and cells. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1028, 289-93	6.5	21
49	Spontaneous cytotoxic activity of eosinophilic granule cells separated from the normal peritoneal cavity of <i>Dicentrarchus labrax</i> . <i>Fish and Shellfish Immunology</i> , 2000 , 10, 143-54	4.3	21
48	Cytotoxic activity of the novel small molecule AKT inhibitor SC66 in hepatocellular carcinoma cells. <i>Oncotarget</i> , 2015 , 6, 1707-22	3.3	21
47	Potential Uses of Olive Oil Secoiridoids for the Prevention and Treatment of Cancer: A Narrative Review of Preclinical Studies. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	21
46	Preclinical evaluation of antitumor activity of the proteasome inhibitor MLN2238 (ixazomib) in hepatocellular carcinoma cells. <i>Cell Death and Disease</i> , 2018 , 9, 28	9.8	20
45	Nanoassemblies Based on Supramolecular Complexes of Nonionic Amphiphilic Cyclodextrin and Sorafenib as Effective Weapons to Kill Human HCC Cells. <i>Biomacromolecules</i> , 2015 , 16, 3784-91	6.9	20
44	Cloning and expression of a type IX-like collagen in tissues of the ascidian <i>Ciona intestinalis</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2002 , 1577, 38-44		20

43	Introduction of WT-TP53 into pancreatic cancer cells alters sensitivity to chemotherapeutic drugs, targeted therapeutics and nutraceuticals. <i>Advances in Biological Regulation</i> , 2018 , 69, 16-34	6.2	20
42	Nanoparticles of a polyaspartamide-based brush copolymer for modified release of sorafenib: In vitro and in vivo evaluation. <i>Journal of Controlled Release</i> , 2017 , 266, 47-56	11.7	19
41	Prostaglandin E2 receptors and COX enzymes in human hepatocellular carcinoma: role in the regulation of cell growth. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1155, 300-8	6.5	19
40	Association between single nucleotide polymorphisms in the cyclooxygenase-2, tumor necrosis factor- β and vascular endothelial growth factor-A genes, and susceptibility to hepatocellular carcinoma. <i>OMICS A Journal of Integrative Biology</i> , 2011 , 15, 193-6	3.8	18
39	The Role of GSK-3 in Cancer Immunotherapy: GSK-3 Inhibitors as a New Frontier in Cancer Treatment. <i>Cells</i> , 2020 , 9,	7.9	16
38	Roles of p53, NF- κ B and the androgen receptor in controlling NGAL expression in prostate cancer cell lines. <i>Advances in Biological Regulation</i> , 2018 , 69, 43-62	6.2	16
37	Entrapment of an EGFR inhibitor into nanostructured lipid carriers (NLC) improves its antitumor activity against human hepatocarcinoma cells. <i>Journal of Nanobiotechnology</i> , 2014 , 12, 21	9.4	16
36	Abilities of berberine and chemically modified berberines to interact with metformin and inhibit proliferation of pancreatic cancer cells. <i>Advances in Biological Regulation</i> , 2019 , 73, 100633	6.2	15
35	Solid Lipid Nanoparticles Containing Nimesulide: Preparation, Characterization and Cytotoxicity Studies. <i>Current Nanoscience</i> , 2009 , 5, 39-44	1.4	15
34	Spatial distribution of collagen type I mRNA in <i>Paracentrotus lividus</i> eggs and embryos. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 238, 334-7	3.4	13
33	Serum concentration of E-selectin in patients with chronic hepatitis, liver cirrhosis and hepatocellular carcinoma. <i>Journal of Cancer Research and Clinical Oncology</i> , 2000 , 126, 345-51	4.9	13
32	Effects of ectopic expression of NGAL on doxorubicin sensitivity. <i>Oncotarget</i> , 2012 , 3, 1236-45	3.3	13
31	The association of variants in PNPLA3 and GRP78 and the risk of developing hepatocellular carcinoma in an Italian population. <i>Oncotarget</i> , 2016 , 7, 86791-86802	3.3	12
30	Influences of TP53 and the anti-aging DDR1 receptor in controlling Raf/MEK/ERK and PI3K/Akt expression and chemotherapeutic drug sensitivity in prostate cancer cell lines. <i>Aging</i> , 2020 , 12, 10194-10210	5.6	11
29	Significance of autologous interleukin-6 production in the HA22T/VGH cell model of hepatocellular carcinoma. <i>Annals of the New York Academy of Sciences</i> , 2006 , 1089, 268-75	6.5	10
28	Poly (ADP-ribose) polymerase inhibition synergizes with the NF- κ B inhibitor DHMEQ to kill hepatocellular carcinoma cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 2662-73	4.9	9
27	Properties of sea urchin coelomocyte agglutinins. <i>Italian Journal of Zoology</i> , 1996 , 63, 353-356		9
26	Aromatase and amphiregulin are correspondingly expressed in human liver cancer cells. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1155, 252-6	6.5	8

25	Circulating intercellular adhesion molecule-1 in patients with hepatocellular carcinoma. <i>European Journal of Gastroenterology and Hepatology</i> , 1997 , 9, 805-9	2.2	8
24	Nectins in sea urchin eggs and embryos. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1994 , 74, 27-34	1.1	8
23	Expression of the IAPs in multidrug resistant tumor cells. <i>Oncology Reports</i> ,	3.5	8
22	Hepatic and circulating levels of PCSK9 in morbidly obese patients: Relation with severity of liver steatosis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020 , 1865, 158792	5	8
21	Effects of the MDM-2 inhibitor Nutlin-3a on PDAC cells containing and lacking WT-TP53 on sensitivity to chemotherapy, signal transduction inhibitors and nutraceuticals. <i>Advances in Biological Regulation</i> , 2019 , 72, 22-40	6.2	7
20	The Prevalence of NAFLD and Fibrosis in Bariatric Surgery Patients and the Reliability of Noninvasive Diagnostic Methods. <i>BioMed Research International</i> , 2020 , 2020, 5023157	3	7
19	Association Between MICA Gene Variants and the Risk of Hepatitis C Virus-Induced Hepatocellular Cancer in a Sicilian Population Sample. <i>OMICS A Journal of Integrative Biology</i> , 2018 , 22, 274-282	3.8	7
18	Phosphorylation-dependent regulation of skeletogenesis in sea urchin micromere-derived cells and embryos. <i>Development Growth and Differentiation</i> , 1999 , 41, 769-75	3	7
17	Abilities of 17β-Estradiol to interact with chemotherapeutic drugs, signal transduction inhibitors and nutraceuticals and alter the proliferation of pancreatic cancer cells. <i>Advances in Biological Regulation</i> , 2020 , 75, 100672	6.2	7
16	GSK-3β Can Regulate the Sensitivity of MIA-PaCa-2 Pancreatic and MCF-7 Breast Cancer Cells to Chemotherapeutic Drugs, Targeted Therapeutics and Nutraceuticals. <i>Cells</i> , 2021 , 10,	7.9	7
15	Induction of apoptosis by the adenosine derivative IB-MECA in parental or multidrug-resistant HL-60 leukemia cells: possible relationship to the effects on inhibitor of apoptosis protein levels. <i>Chemotherapy</i> , 2005 , 51, 272-9	3.2	5
14	Calcium-dependent self-aggregation of toposome, a sea urchin embryo cell adhesion molecule. <i>Biology of the Cell</i> , 1992 , 74, 231-234	3.5	5
13	Circulating intercellular adhesion molecule-1 in chronic hepatitis C patients with normal or elevated aminotransferase before and after alpha-interferon treatment. <i>Intervirology</i> , 2003 , 46, 35-42	2.5	4
12	Synthetic peptide-labelled micelles for active targeting of cells overexpressing EGF receptors. <i>Amino Acids</i> , 2019 , 51, 1177-1185	3.5	3
11	The selective cyclooxygenase-1 inhibitor SC-560 suppresses cell proliferation and induces apoptosis in human hepatocellular carcinoma cells. <i>International Journal of Molecular Medicine</i> , 2006 , 17, 245	4.4	3
10	Sensitivity of pancreatic cancer cells to chemotherapeutic drugs, signal transduction inhibitors and nutraceuticals can be regulated by WT-TP53. <i>Advances in Biological Regulation</i> , 2021 , 79, 100780	6.2	3
9	Response to antiviral therapy and hepatic expression of cyclooxygenases in chronic hepatitis C. <i>European Journal of Gastroenterology and Hepatology</i> , 2007 , 19, 927-33	2.2	2
8	Circulating E-selectin levels in chronic hepatitis C patients with normal or elevated transaminase before and after alpha-interferon treatment. <i>Inflammation</i> , 2001 , 25, 101-8	5.1	2

7	The NUPR1/p73 axis contributes to sorafenib resistance in hepatocellular carcinoma. <i>Cancer Letters</i> , 2021 , 519, 250-262	9.9	2
6	Identification of an LPS-Induced Chemo-Attractive Peptide from. <i>Marine Drugs</i> , 2020 , 18,	6	1
5	GSK-3 in liver diseases: Friend or foe?. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020 , 1867, 118743	4.9	1
4	Effects of the Mutant TP53 Reactivator APR-246 on Therapeutic Sensitivity of Pancreatic Cancer Cells in the Presence and Absence of WT-TP53.. <i>Cells</i> , 2022 , 11,	7.9	1
3	Outcome predictors in SARS-CoV-2 disease (COVID-19): the prominent role of IL-6 levels and an IL-6 gene polymorphism in a western Sicilian population.. <i>Journal of Infection</i> , 2022 ,	18.9	1
2	Effects of the MDM2 inhibitor Nutlin-3a on sensitivity of pancreatic cancer cells to berberine and modified berberines in the presence and absence of WT-TP53. <i>Advances in Biological Regulation</i> , 2021 , 100840	6.2	0
1	Antitumor effects of the novel NF- κ B inhibitor dehydroxymethyl-epoxyquinomicin on human hepatic cancer cells: analysis of synergy with cisplatin and of possible correlation with inhibition of pro-survival genes and IL-6 production 2006 , 28, 923		