Javier A Menendez

List of Publications by Year
in descending order

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337	27,143	9264 74	7348 152
papers	citations	h-index	g-index

345	345	345	42308
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	Fatty acid synthase and the lipogenic phenotype in cancer pathogenesis. Nature Reviews Cancer, 2007, 7, 763-777.	28.4	2,355
4	Olive oil and health: Summary of the II international conference on olive oil and health consensus report, JaÃ©n and CÃ³rdoba (Spain) 2008. Nutrition, Metabolism and Cardiovascular Diseases, 2010, 20, 284-294.	2.6	449
5	Inhibition of fatty acid synthase (FAS) suppressesHER2/neu(erbB-2) oncogene overexpression in cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10715-10720.	7.1	297
6	STAT3 labels a subpopulation of reactive astrocytes required for brain metastasis. Nature Medicine, 2018, 24, 1024-1035.	30.7	285
7	Metformin: Multi-faceted protection against cancer. Oncotarget, 2011, 2, 896-917.	1.8	263
8	Autophagy in stem cells. Autophagy, 2013, 9, 830-849.	9.1	255
9	The antidiabetic drug metformin suppresses HER2 (erbB-2) oncoprotein overexpression via inhibition of the mTOR effector p70S6K1 in human breast carcinoma cells. Cell Cycle, 2009, 8, 88-96.	2.6	238
10	Autophagy Facilitates the Development of Breast Cancer Resistance to the Anti-HER2 Monoclonal Antibody Trastuzumab. PLoS ONE, 2009, 4, e6251.	2.5	206
11	Metformin and cancer: Doses, mechanisms and the dandelion and hormetic phenomena. Cell Cycle, 2010, 9, 1057-1064.	2.6	205
12	Metformin against TGFÎ²-induced epithelial-to-mesenchymal transition (EMT): From cancer stem cells to aging-associated fibrosis. Cell Cycle, 2010, 9, 4461-4468.	2.6	202
13	Oleic acid, the main monounsaturated fatty acid of olive oil, suppresses Her-2/neu (erbB-2) expression and synergistically enhances the growth inhibitory effects of trastuzumab (Herceptinâ„¢) in breast cancer cells with Her-2/neu oncogene amplification. Annals of Oncology, 2005, 16, 359-371.	1.2	197
14	Fatty acid synthase (FASN) as a therapeutic target in breast cancer. Expert Opinion on Therapeutic Targets, 2017, 21, 1001-1016.	3.4	185
15	Metformin regulates breast cancer stem cello ntogeny by transcriptional regulation of the epithelial-mesenchymal transition (EMT) status. Cell Cycle, 2010, 9, 3831-3838.	2.6	179
16	Fatty Acid Synthase: Association with Insulin Resistance, Type 2 Diabetes, and Cancer. Clinical Chemistry, 2009, 55, 425-438.	3.2	175
17	The anti-diabetic drug metformin suppresses self-renewal and proliferation of trastuzumab-resistant tumor-initiating breast cancer stem cells. Breast Cancer Research and Treatment, 2011, 126, 355-364.	2.5	173
18	Autophagy positively regulates the CD44⁺CD24^{-/low}breast cancer stem-like phenotype. Cell Cycle, 2011, 10, 3871-3885.	2.6	172

#	Article	IF	Citations
19	Mammosphere Formation in Breast Carcinoma Cell Lines Depends upon Expression of E-cadherin. PLoS ONE, 2013, 8, e77281.	2.5	171
20	Pharmacological Inhibitors of Fatty Acid Synthase (FASN)-Catalyzed Endogenous Fatty Acid Biogenesis: A New Family of Anti-Cancer Agents?. Current Pharmaceutical Biotechnology, 2006, 7, 483-494.	1.6	163
21	Overexpression of fatty acid synthase gene activates HER1/HER2 tyrosine kinase receptors in human breast epithelial cells. Cell Proliferation, 2008, 41, 59-85.	5.3	160
22	Olive oil's bitter principle reverses acquired autoresistance to trastuzumab (Herceptinâ„¢) in HER2-overexpressing breast cancer cells. BMC Cancer, 2007, 7, 80.	2.6	154
23	The Warburg effect version 2.0: Metabolic reprogramming of cancer stem cells. Cell Cycle, 2013, 12, 1166-1179.	2.6	146
24	Antitumoral actions of the anti-obesity drug orlistat (Xenicalâ„¢) in breast cancer cells: blockade of cell cycle progression, promotion of apoptotic cell death and PEA3-mediated transcriptional repression of Her2/neu (erbB-2) oncogene. Annals of Oncology, 2005, 16, 1253-1267.	1.2	144
25	A novel CYR61-triggered â€˜CYR61-Î±vÎ²3 integrin loopâ€™ regulates breast cancer cell survival and chemosensitivity through activation of ERK1/ERK2 MAPK signaling pathway. Oncogene, 2005, 24, 761-779.	5.9	138
26	Metformin-induced preferential killing of breast cancer initiating CD44+CD24â^'/low cells is sufficient to overcome primary resistance to trastuzumab in HER2+ human breast cancer xenografts. Oncotarget, 2012, 3, 395-398.	1.8	134
27	Characterization and quantification of phenolic compounds of extra-virgin olive oils with anticancer properties by a rapid and resolutive LC-ESI-TOF MS method. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 416-429.	2.8	132
28	mTOR-regulated senescence and autophagy during reprogramming of somatic cells to pluripotency: A roadmap from energy metabolism to stem cell renewal and aging. Cell Cycle, 2011, 10, 3658-3677.	2.6	132
29	Xenohormetic and anti-aging activity of secoiridoid polyphenols present in extra virgin olive oil. Cell Cycle, 2013, 12, 555-578.	2.6	131
30	Fine-tuning the lipogenic/lipolytic balance to optimize the metabolic requirements of cancer cell growth: Molecular mechanisms and therapeutic perspectives. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 381-391.	2.4	126
31	Effects of gamma-linolenic acid and oleic acid on paclitaxel cytotoxicity in human breast cancer cells. European Journal of Cancer, 2001, 37, 402-413.	2.8	124
32	Silibinin and STAT3: A natural way of targeting transcription factors for cancer therapy. Cancer Treatment Reviews, 2015, 41, 540-546.	7.7	124
33	Synergism of plant-derived polyphenols in adipogenesis: Perspectives and implications. Phytomedicine, 2012, 19, 253-261.	5.3	122
34	Qualitative screening of phenolic compounds in olive leaf extracts by hyphenated liquid chromatography and preliminary evaluation of cytotoxic activity against human breast cancer cells. Analytical and Bioanalytical Chemistry, 2010, 397, 643-654.	3.7	119
35	Epithelial-to-mesenchymal transition (EMT) confers primary resistance to trastuzumab (Herceptin). Cell Cycle, 2012, 11, 4020-4032.	2.6	119
36	Plant-derived polyphenols regulate expression of miRNA paralogs miR-103/107 and miR-122 and prevent diet-induced fatty liver disease in hyperlipidemic mice. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 894-899.	2.4	117

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37	Metformin is synthetically lethal with glucose withdrawal in cancer cells. Cell Cycle, 2012, 11, 2782-2792.	2.6	116
38	Mitochondrial Dysfunction: A Basic Mechanism in Inflammation-Related Non-Communicable Diseases and Therapeutic Opportunities. Mediators of Inflammation, 2013, 2013, 1-13.	3.0	116
39	Virgin Olive Oil and Health: Summary of the III International Conference on Virgin Olive Oil and Health Consensus Report, JAEN (Spain) 2018. Nutrients, 2019, 11, 2039.	4.1	116
40	tabAnti-HER2 (erbB-2) oncogene effects of phenolic compounds directly isolated from commercial Extra-Virgin Olive Oil (EVOO). BMC Cancer, 2008, 8, 377.	2.6	108
41	Micro(mi)RNA expression profile of breast cancer epithelial cells treated with the anti-diabetic drug metformin: Induction of the tumor suppressor miRNA let-7a and suppression of the TGFÎ²-induced oncomiR miRNA-181a. Cell Cycle, 2011, 10, 1144-1151.	2.6	108
42	Cell Cycle Regulation by the Nutrient-Sensing Mammalian Target of Rapamycin (mTOR) Pathway. Methods in Molecular Biology, 2014, 1170, 113-144.	0.9	108
43	Metformin regulates breast cancer stem cell ontogeny by transcriptional regulation of the epithelial-mesenchymal transition (EMT) status. Cell Cycle, 2010, 9, 3807-14.	2.6	107
44	Metabolomic fingerprint reveals that metformin impairs one-carbon metabolism in a manner similar to the antifolate class of chemotherapy drugs. Aging, 2012, 4, 480-498.	3.1	104
45	Mitochondrial fusion by pharmacological manipulation impedes somatic cell reprogramming to pluripotency: New insight into the role of mitophagy in cell stemness. Aging, 2012, 4, 393-401.	3.1	104
46	The angiogenic factor CYR61 in breast cancer: molecular pathology and therapeutic perspectives.. Endocrine-Related Cancer, 2003, 10, 141-152.	3.1	103
47	Targeting Fatty Acid Synthase in Breast and Endometrial Cancer: An Alternative to Selective Estrogen Receptor Modulators?. Endocrinology, 2006, 147, 4056-4066.	2.8	102
48	Mapping Protein-Protein Interactions for the Yeast ABC Transporter Ycf1p by Integrated Split-Ubiquitin Membrane Yeast Two-Hybrid Analysis. Molecular Cell, 2007, 26, 15-25.	9.7	102
49	Pharmacological and small interference RNA-mediated inhibition of breast cancer-associated fatty acid synthase (oncogenic antigen-519) synergistically enhances Taxol (paclitaxel)-induced cytotoxicity. International Journal of Cancer, 2005, 115, 19-35.	5.1	100
50	Resveratrol targets PD-L1 glycosylation and dimerization to enhance antitumor T-cell immunity. Aging, 2020, 12, 8-34.	3.1	99
51	A genomic explanation connecting â€œMediterranean dietâ€• olive oil and cancer: Oleic acid, the main monounsaturated Fatty acid of olive oil, induces formation of inhibitory â€œPEA3 transcription factor-PEA3 DNA binding siteâ€•complexes at the Her-2/neu (erbB-2) oncogene promoter in breast, ovarian and stomach cancer cells. European Journal of Cancer, 2006, 42, 2425-2432.	2.8	98
52	Fatty acid metabolism in breast cancer cells: differential inhibitory effects of epigallocatechin gallate (EGCG) and C75. Breast Cancer Research and Treatment, 2008, 109, 471-479.	2.5	98
53	The anti-malarial chloroquine overcomes Primary resistance and restores sensitivity to Trastuzumab in HER2-positive breast cancer. Scientific Reports, 2013, 3, 2469.	3.3	97
54	An update of the mechanisms of resistance to EGFR-tyrosine kinase inhibitors in breast cancer: Gefitinib (Iressa) -induced changes in the expression and nucleo-cytoplasmic trafficking of HER-ligands (Review). International Journal of Molecular Medicine, 2007, 20, 3-10.	4.0	96

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55	Metabostemness: A New Cancer Hallmark. Frontiers in Oncology, 2014, 4, 262.	2.8	95
56	The active form of the metabolic sensor AMP-activated protein kinase Î± (AMPKÎ±) directly binds the mitotic apparatus and travels from centrosomes to the spindle midzone during mitosis and cytokinesis. Cell Cycle, 2009, 8, 2385-2398.	2.6	94
57	Activation of AMP-activated protein kinase (AMPK) provides a metabolic barrier to reprogramming somatic cells into stem cells. Cell Cycle, 2012, 11, 974-989.	2.6	94
58	Chemical inhibition of acetyl-CoA carboxylase suppresses self-renewal growth of cancer stem cells. Oncotarget, 2014, 5, 8306-8316.	1.8	94
59	Î±VÎ²3 integrin regulates heregulin (HRG)-induced cell proliferation and survival in breast cancer. Oncogene, 2005, 24, 3759-3773.	5.9	93
60	Mediterranean diet, olive oil and cancer. Clinical and Translational Oncology, 2006, 8, 15-21.	2.4	93
61	Direct characterization of aqueous extract of Hibiscus sabdariffa using HPLC with diode array detection coupled to ESI and ion trap MS. Journal of Separation Science, 2009, 32, 3441-3448.	2.5	93
62	Solid neuroendocrine breast carcinomas: incidence, clinico-pathological features and immunohistochemical profiling. Oncology Reports, 2008, 20, 1369-74.	2.6	92
63	Polyphenols and the Modulation of Gene Expression Pathways: Can We Eat Our Way Out of the Danger of Chronic Disease?. Critical Reviews in Food Science and Nutrition, 2014, 54, 985-1001.	10.3	91
64	Nuclear reprogramming of luminal-like breast cancer cells generates Sox2-overexpressing cancer stem-like cellular states harboring transcriptional activation of the mTOR pathway. Cell Cycle, 2013, 12, 3109-3124.	2.6	90
65	Mediterranean Dietary Traditions for the Molecular Treatment of Human Cancer: Anti-Oncogenic Actions of the Main Olive Oils Monounsaturated Fatty Acid Oleic Acid (18:1n-9). Current Pharmaceutical Biotechnology, 2006, 7, 495-502.	1.6	88
66	Targeting STAT3 with silibinin to improve cancer therapeutics. Cancer Treatment Reviews, 2017, 58, 61-69.	7.7	86
67	Metformin regulates global DNA methylation via mitochondrial one-carbon metabolism. Oncogene, 2018, 37, 963-970.	5.9	85
68	Metformin Is a Direct SIRT1-Activating Compound: Computational Modeling and Experimental Validation. Frontiers in Endocrinology, 2018, 9, 657.	3.5	85
69	Exogenous supplementation with Ï‰-3 polyunsaturated fatty acid docosahexaenoic acid (DHA; 22:6n-3) synergistically enhances taxane cytotoxicity and downregulates Her-2/neu (c-erbB-2) oncogene expression in human breast cancer cells. European Journal of Cancer Prevention, 2005, 14, 263-270.	1.3	84
70	Protein array technology to detect HER2 (erbB-2)-induced â€˜cytokine signatureâ€™ in breast cancer. European Journal of Cancer, 2007, 43, 1117-1124.	2.8	83
71	Prediction of Extra Virgin Olive Oil Varieties through Their Phenolic Profile. Potential Cytotoxic Activity against Human Breast Cancer Cells. Journal of Agricultural and Food Chemistry, 2010, 58, 9942-9955.	5.2	82
72	Oncogenic properties of the endogenous fatty acid metabolism: molecular pathology of fatty acid synthase in cancer cells. Current Opinion in Clinical Nutrition and Metabolic Care, 2006, 9, 346-357.	2.5	81

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73	Continuous administration of polyphenols from aqueous rooibos (Aspalathus linearis) extract ameliorates dietary-induced metabolic disturbances in hyperlipidemic mice. Phytomedicine, 2011, 18, 414-424.	5.3	79
74	In support of fatty acid synthase (FAS) as a metabolic oncogene: Extracellular acidosis acts in an epigenetic fashion activating FAS gene expression in cancer cells. Journal of Cellular Biochemistry, 2005, 94, 1-4.	2.6	77
75	The mitochondrial H⁺-ATP synthase and the lipogenic switch. Cell Cycle, 2013, 12, 207-218.	2.6	77
76	Molecular Promiscuity of Plant Polyphenols in the Management of Age-Related Diseases: Far Beyond Their Antioxidant Properties. Advances in Experimental Medicine and Biology, 2014, 824, 141-159.	1.6	77
77	Mapping of the circulating metabolome reveals Î±-ketoglutarate as a predictor of morbid obesity-associated non-alcoholic fatty liver disease. International Journal of Obesity, 2015, 39, 279-287.	3.4	77
78	Potential Drugs Targeting Early Innate Immune Evasion of SARS-Coronavirus 2 via 2â€™-O-Methylation of Viral RNA. Viruses, 2020, 12, 525.	3.3	75
79	IGF-1R/epithelial-to-mesenchymal transition (EMT) crosstalk suppresses the erlotinib-sensitizing effect of EGFR exon 19 deletion mutations. Scientific Reports, 2013, 3, 2560.	3.3	74
80	Autophagy-related gene 12 (ATG12) is a novel determinant of primary resistance to HER2-targeted therapies: Utility of transcriptome analysis of the autophagy interactome to guide breast cancer treatment. Oncotarget, 2012, 3, 1600-1614.	1.8	73
81	Targeting fatty acid synthase-driven lipid rafts: a novel strategy to overcome trastuzumab resistance in breast cancer cells. Medical Hypotheses, 2005, 64, 997-1001.	1.5	72
82	Metformin activates an Ataxia Telangiectasia Mutated (ATM)/Chk2-regulated DNA damage-like response. Cell Cycle, 2011, 10, 1499-1501.	2.6	72
83	Inhibition of Tumor-associated Fatty Acid Synthase Hyperactivity Induces Synergistic Chemosensitization of HER-2/neu-Overexpressing Human Breast Cancer Cells to Docetaxel (taxotere). Breast Cancer Research and Treatment, 2004, 84, 183-195.	2.5	71
84	Pharmacological inhibition of fatty acid synthase (FAS): A novel therapeutic approach for breast cancer chemoprevention through its ability to suppress Her-2/neu (erbB-2) oncogene-induced malignant transformation. Molecular Carcinogenesis, 2004, 41, 164-178.	2.7	71
85	AMPK: Evidence for an energy-sensing cytokinetic tumor suppressor. Cell Cycle, 2009, 8, 3679-3683.	2.6	70
86	Metformin as an archetype immuno-metabolic adjuvant for cancer immunotherapy. OncoImmunology, 2019, 8, e1633235.	4.6	70
87	Metformin and the ATM DNA damage response (DDR): Accelerating the onset of stress-induced senescence to boost protection against cancer. Aging, 2011, 3, 1063-1077.	3.1	70
88	Mitophagy-driven mitochondrial rejuvenation regulates stem cell fate. Aging, 2016, 8, 1330-1352.	3.1	70
89	Synergistic Interaction Between Vinorelbine and Gamma-Linolenic Acid in Breast Cancer Cells. Breast Cancer Research and Treatment, 2002, 72, 203-219.	2.5	68
90	Trastuzumab in Combination With Heregulin-Activated Her-2 (erbB-2) Triggers a Receptor-Enhanced Chemosensitivity Effect in the Absence of Her-2 Overexpression. Journal of Clinical Oncology, 2006, 24, 3735-3746.	1.6	68

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91	Silibinin suppresses EMT-driven erlotinib resistance by reversing the high miR-21/low miR-200c signature in vivo. Scientific Reports, 2013, 3, 2459.	3.3	67
92	Fatty acid synthase regulates estrogen receptor-Î± signaling in breast cancer cells. Oncogenesis, 2017, 6, e299-e299.	4.9	67
93	HER2 (erbB-2)-targeted effects of the Ï—3 polyunsaturated. Fatty acid Î±-linolenic acid (ALA; 18:3n-3) in breast cancer cells: the Â«fat featuresÂ» of the Â«Mediterranean dietÂ» as an Â«anti-HER2 cocktailÂ». Clinical and Translational Oncology, 2006, 8, 812-820.	2.4	66
94	Targeting Fatty Acid Synthase: Potential for Therapeutic Intervention in Her-2/neu-Overexpressing Breast Cancer. Drug News and Perspectives, 2005, 18, 375.	1.5	66
95	BRCA1 and acetylâ€CoA carboxylase: The metabolic syndrome of breast cancer. Molecular Carcinogenesis, 2008, 47, 157-163.	2.7	65
96	Stem cell-like ALDH^{bright}cellular states in EGFR-mutant non-small cell lung cancer: A novel mechanism of acquired resistance to erlotinib targetable with the natural polyphenol silibinin. Cell Cycle, 2013, 12, 3390-3404.	2.6	65
97	Why does tumor-associated fatty acid synthase (oncogenic antigen-519) ignore dietary fatty acids?. Medical Hypotheses, 2005, 64, 342-349.	1.5	62
98	Lemon verbena (Lippia citriodora) polyphenols alleviate obesity-related disturbances in hypertrophic adipocytes through AMPK-dependent mechanisms. Phytomedicine, 2015, 22, 605-614.	5.3	61
99	The nutritional phenome of EMT-induced cancer stem-like cells. Oncotarget, 2014, 5, 3970-3982.	1.8	61
100	Incorporating the antidiabetic drug metformin in HER2-positive breast cancer treated with neo-adjuvant chemotherapy and trastuzumab: an ongoing clinicalâ€“translational research experience at the Catalan Institute of Oncology. Annals of Oncology, 2010, 21, 187-189.	1.2	60
101	Dynamic emergence of the mesenchymal CD44posCD24neg/low phenotype in HER2-gene amplified breast cancer cells with de novo resistance to trastuzumab (Herceptin). Biochemical and Biophysical Research Communications, 2010, 397, 27-33.	2.1	60
102	Analyzing effects of extra-virgin olive oil polyphenols on breast cancer-associated fatty acid synthase protein expression using reverse-phase protein microarrays. International Journal of Molecular Medicine, 2008, 22, 433-9.	4.0	60
103	mTOR inhibitors and the anti-diabetic biguanide metformin: new insights into the molecular management of breast cancer resistance to the HER2 tyrosine kinase inhibitor lapatinib (TykerbÂ®). Clinical and Translational Oncology, 2009, 11, 455-459.	2.4	58
104	Repositioning chloroquine and metformin to eliminate cancer stem cell traits in pre-malignant lesions. Drug Resistance Updates, 2011, 14, 212-223.	14.4	58
105	Metformin directly targets the H3K27me3 demethylase KDM6A/UTX. Aging Cell, 2018, 17, e12772.	6.7	58
106	Acquired resistance to metformin in breast cancer cells triggers transcriptome reprogramming toward a degradome-related metastatic stem-like profile. Cell Cycle, 2014, 13, 1132-1144.	2.6	57
107	Gerosuppressant Metformin: less is more. Aging, 2011, 3, 348-362.	3.1	56
108	Metformin lowers the threshold for stress-induced senescence: A role for the microRNA-200 family and miR-205. Cell Cycle, 2012, 11, 1235-1246.	2.6	56

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109	Mitotic kinase dynamics of the active form of AMPK (Phospho-AMPKÎ±Thr172) in human cancer cells. Cell Cycle, 2009, 8, 788-791.	2.6	55
110	Metformin limits the tumourigenicity of iPS cells without affecting their pluripotency. Scientific Reports, 2012, 2, 964.	3.3	55
111	Multifunctional targets of dietary polyphenols in disease: A case for the chemokine network and energy metabolism. Food and Chemical Toxicology, 2013, 51, 267-279.	3.6	55
112	A phase 2 trial of neoadjuvant metformin in combination with trastuzumab and chemotherapy in women with early HER2-positive breast cancer: the METTEN study. Oncotarget, 2018, 9, 35687-35704.	1.8	55
113	Genome-wide inhibitory impact of the AMPK activator metformin on [kinesins, tubulins, histones, aurorasandpolo-like kinases] M-phase cell cycle genes in human breast cancer cells. Cell Cycle, 2009, 8, 1633-1636.	2.6	54
114	Pediatric solid organ transplant recipients: Transition to home and chronic illness care. Pediatric Transplantation, 2015, 19, 118-129.	1.0	54
115	Silibinin meglumine, a water-soluble form of milk thistle silymarin, is an orally active anti-cancer agent that impedes the epithelial-to-mesenchymal transition (EMT) in EGFR-mutant non-small-cell lung carcinoma cells. Food and Chemical Toxicology, 2013, 60, 360-368.	3.6	53
116	Extra-virgin olive oil contains a metabolo-epigenetic inhibitor of cancer stem cells. Carcinogenesis, 2018, 39, 601-613.	2.8	53
117	Oncometabolic mutation IDH1 R132H confers a metformin-hypersensitive phenotype. Oncotarget, 2015, 6, 12279-12296.	1.8	53
118	Metformin and Energy Metabolism in Breast Cancer: From Insulin Physiology to Tumour-initiating Stem Cells. Current Molecular Medicine, 2010, 10, 674-691.	1.3	52
119	Hibiscus sabdariffa extract lowers blood pressure and improves endothelial function. Molecular Nutrition and Food Research, 2014, 58, 1374-1378.	3.3	52
120	Silibinin is a direct inhibitor of STAT3. Food and Chemical Toxicology, 2018, 116, 161-172.	3.6	52
121	The antidiabetic drug metformin: a pharmaceutical AMPK activator to overcome breast cancer resistance to HER2 inhibitors while decreasing risk of cardiomyopathy. Annals of Oncology, 2009, 20, 592-595.	1.2	50
122	Polo-like kinase 1 regulates activation of AMP-activated protein kinase (AMPK) at the mitotic apparatus. Cell Cycle, 2011, 10, 1295-1302.	2.6	50
123	Androgen-independent prostate cancer cells circumvent EGFR inhibition by overexpression of alternative HER receptors and ligands. International Journal of Oncology, 2012, 41, 1128-1138.	3.3	50
124	STAT3-targeted treatment with silibinin overcomes the acquired resistance to crizotinib in ALK-rearranged lung cancer. Cell Cycle, 2016, 15, 3413-3418.	2.6	49
125	Basal/HER2 breast carcinomas. Cell Cycle, 2013, 12, 225-245.	2.6	48
126	Structureâ€“Biological Activity Relationships of Extra-Virgin Olive Oil Phenolic Compounds: Health Properties and Bioavailability. Antioxidants, 2020, 9, 685.	5.1	48

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127	Trastuzumab Plus Tamoxifen: Anti-Proliferative and Molecular Interactions in Breast Carcinoma. Breast Cancer Research and Treatment, 2004, 86, 125-137.	2.5	47
128	Extracellular Fatty Acid Synthase: A Possible Surrogate Biomarker of Insulin Resistance. Diabetes, 2010, 59, 1506-1511.	0.6	47
129	Response of brain metastasis from lung cancer patients to an oral nutraceutical product containing silibinin. Oncotarget, 2016, 7, 32006-32014.	1.8	47
130	Solid neuroendocrine breast carcinomas: Incidence, clinico-pathological features and immunohistochemical profiling. Oncology Reports, 1994, 20, 1369.	2.6	46
131	Characterization of isomers of oleuropein aglycon in olive oils by rapidâ€resolution liquid chromatography coupled to electrospray timeâ€ofâ€flight and ion trap tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 51-59.	1.5	46
132	Pathway-focused proteomic signatures in HER2-overexpressing breast cancer with a basal-like phenotype: New insights into de novo resistance to trastuzumab (Herceptin). International Journal of Oncology, 2010, 37, 669-78.	3.3	46
133	Inhibitor of Apoptosis (IAP) survivin is indispensable for survival of HER2 gene-amplified breast cancer cells with primary resistance to HER1/2-targeted therapies. Biochemical and Biophysical Research Communications, 2011, 407, 412-419.	2.1	44
134	Laparoscopic sleeve gastrectomy reverses non-alcoholic fatty liver disease modulating oxidative stress and inflammation. Metabolism: Clinical and Experimental, 2019, 99, 81-89.	3.4	43
135	Omega-6 polyunsaturated fatty acid gamma-linolenic acid (18:3n-6) enhances docetaxel (Taxotere) cytotoxicity in human breast carcinoma cells: Relationship to lipid peroxidation and HER-2/neu expression. Oncology Reports, 2004, 11, 1241-52.	2.6	43
136	Tentative Characterization of Novel Phenolic Compounds in Extra Virgin Olive Oils by Rapid-Resolution Liquid Chromatography Coupled with Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2009, 57, 11140-11147.	5.2	42
137	Cross-suppression of EGFR ligands amphiregulin and epiregulin and de-repression of FGFR3 signalling contribute to cetuximab resistance in wild-type KRAS tumour cells. British Journal of Cancer, 2012, 106, 1406-1414.	6.4	42
138	Silibinin and SARS-CoV-2: Dual Targeting of Host Cytokine Storm and Virus Replication Machinery for Clinical Management of COVID-19 Patients. Journal of Clinical Medicine, 2020, 9, 1770.	2.4	42
139	Stem cell property epithelialâ€toâ€mesenchymal transition is a core transcriptional network for predicting cetuximab (Erbituxâ„¢) efficacy in KRAS wildâ€type tumor cells. Journal of Cellular Biochemistry, 2011, 112, 10-29.	2.6	41
140	Novel signaling molecules implicated in tumor-associated fatty acid synthase-dependent breast cancer cell proliferation and survival: Role of exogenous dietary fatty acids, p53-p21WAF1/CIP1, ERK1/2 MAPK, p27KIP1, BRCA1, and NF-kappaB. International Journal of Oncology, 2004, 24, 591-608.	3.3	41
141	Clinical and therapeutic relevance of the metabolic oncogene fatty acid synthase in HER2+ breast cancer. Histology and Histopathology, 2017, 32, 687-698.	0.7	40
142	Oncobiguanides: Paracelsus' law and nonconventional routes for administering diabetobiguanides for cancer treatment. Oncotarget, 2014, 5, 2344-2348.	1.8	40
143	Suppression of endogenous lipogenesis induces reversion of the malignant phenotype and normalized differentiation in breast cancer. Oncotarget, 2016, 7, 71151-71168.	1.8	40
144	Low-scale phosphoproteome analyses identify the mTOR effector p70 S6 kinase 1 as a specific biomarker of the dual-HER1/HER2 tyrosine kinase inhibitor lapatinib (TykerbÂ®) in human breast carcinoma cells. Annals of Oncology, 2008, 19, 1097-1109.	1.2	39

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145	Pharmacological blockade of fatty acid synthase (FASN) reverses acquired autoresistance to		

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163	Oncometabolic Nuclear Reprogramming of Cancer Stemness. Stem Cell Reports, 2016, 6, 273-283.	4.8	34
164	The anti-diabetic drug metformin suppresses the metastasis-associated protein CD24 in MDA-MB-468 triple-negative breast cancer cells. Oncology Reports, 2011, 25, 135-40.	2.6	34
165	A bidirectional â€œÎ±vÎ²3 integrin-ERK1/ERK2 MAPKâ€•connection regulates the proliferation of breast cancer cells. Molecular Carcinogenesis, 2006, 45, 795-804.	2.7	33
166	Gerometabolites: The pseudohypoxic aging side of cancer oncometabolites. Cell Cycle, 2014, 13, 699-709.	2.6	33
167	Nutrients in Energy and One-Carbon Metabolism: Learning from Metformin Users. Nutrients, 2017, 9, 121.	4.1	33
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