

Javier A Menendez

List of Publications by Citations

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327
papers

22,187
citations

68
h-index

140
g-index

342
ext. papers

24,742
ext. citations

5
avg, IF

6.87
L-index

#	Paper	IF	Citations
327	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
326	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-546	10.2	2783
325	Fatty acid synthase and the lipogenic phenotype in cancer pathogenesis. <i>Nature Reviews Cancer</i> , 2007 , 7, 763-77	31.3	1887
324	Olive oil and health: summary of the II international conference on olive oil and health consensus report, Ja�n and C�rdoba (Spain) 2008. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2010 , 20, 284-94	4.5	383
323	Inhibition of fatty acid synthase (FAS) suppresses HER2/neu (erbB-2) oncogene overexpression in cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 10715-20	11.5	264
322	Metformin: multi-faceted protection against cancer. <i>Oncotarget</i> , 2011 , 2, 896-917	3.3	238
321	Autophagy in stem cells. <i>Autophagy</i> , 2013 , 9, 830-49	10.2	209
320	The antidiabetic drug metformin suppresses HER2 (erbB-2) oncoprotein overexpression via inhibition of the mTOR effector p70S6K1 in human breast carcinoma cells. <i>Cell Cycle</i> , 2009 , 8, 88-96	4.7	203
319	Metformin against TGF�induced epithelial-to-mesenchymal transition (EMT): from cancer stem cells to aging-associated fibrosis. <i>Cell Cycle</i> , 2010 , 9, 4461-8	4.7	183
318	Metformin and cancer: doses, mechanisms and the dandelion and hormetic phenomena. <i>Cell Cycle</i> , 2010 , 9, 1057-64	4.7	181
317	Autophagy facilitates the development of breast cancer resistance to the anti-HER2 monoclonal antibody trastuzumab. <i>PLoS ONE</i> , 2009 , 4, e6251	3.7	177
316	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 (Herceptin) in breast cancer cells with Her-2/neu oncogene amplification. <i>Annals of Oncology</i> , 2005 , 16, 359-71	10.3	158
315	STAT3 labels a subpopulation of reactive astrocytes required for brain metastasis. <i>Nature Medicine</i> , 2018 , 24, 1024-1035	50.5	156
314	Autophagy positively regulates the CD44(+) CD24(-/low) breast cancer stem-like phenotype. <i>Cell Cycle</i> , 2011 , 10, 3871-85	4.7	150
313	Metformin regulates breast cancer stem cell ontogeny by transcriptional regulation of the epithelial-mesenchymal transition (EMT) status. <i>Cell Cycle</i> , 2010 , 9, 3831-3838	4.7	147
312	Overexpression of fatty acid synthase gene activates HER1/HER2 tyrosine kinase receptors in human breast epithelial cells. <i>Cell Proliferation</i> , 2008 , 41, 59-85	7.9	145
311	Pharmacological inhibitors of Fatty Acid Synthase (FASN)--catalyzed endogenous fatty acid biogenesis: a new family of anti-cancer agents?. <i>Current Pharmaceutical Biotechnology</i> , 2006 , 7, 483-93	2.6	142

310	Fatty acid synthase: association with insulin resistance, type 2 diabetes, and cancer. <i>Clinical Chemistry</i> , 2009 , 55, 425-38	5.5	140
309	The anti-diabetic drug metformin suppresses self-renewal and proliferation of trastuzumab-resistant tumor-initiating breast cancer stem cells. <i>Breast Cancer Research and Treatment</i> , 2011 , 126, 355-64	4.4	139
308	Mammosphere formation in breast carcinoma cell lines depends upon expression of E-cadherin. <i>PLoS ONE</i> , 2013 , 8, e77281	3.7	137
307	A novel CYR61-triggered 'CYR61-alpha5beta3 integrin loop' regulates breast cancer cell survival and chemosensitivity through activation of ERK1/ERK2 MAPK signaling pathway. <i>Oncogene</i> , 2005 , 24, 761-79	9.2	134
306	Olive oil's bitter principle reverses acquired autoresistance to trastuzumab (Herceptin) in HER2-overexpressing breast cancer cells. <i>BMC Cancer</i> , 2007 , 7, 80	4.8	132
305	The Warburg effect version 2.0: metabolic reprogramming of cancer stem cells. <i>Cell Cycle</i> , 2013 , 12, 1166-79	4.7	126
304	mTOR-regulated senescence and autophagy during reprogramming of somatic cells to pluripotency: a roadmap from energy metabolism to stem cell renewal and aging. <i>Cell Cycle</i> , 2011 , 10, 3658-77	4.7	121
303	Fatty acid synthase (FASN) as a therapeutic target in breast cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2017 , 21, 1001-1016	6.4	120
302	Antitumoral actions of the anti-obesity drug orlistat (Xenical TM) 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. <i>Annals of Oncology</i> , 2005 , 16, 1253-67	10.3	120
301	Metformin-induced preferential killing of breast cancer initiating CD44+CD24-/low cells is sufficient to overcome primary resistance to trastuzumab in HER2+ human breast cancer xenografts. <i>Oncotarget</i> , 2012 , 3, 395-8	3.3	120
300	Characterization and quantification of phenolic compounds of extra-virgin olive oils with anticancer properties by a rapid and resolute LC-ESI-TOF MS method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 51, 416-29	3.5	119
299	Xenohormetic and anti-aging activity of secoiridoid polyphenols present in extra virgin olive oil: a new family of gerosuppressant agents. <i>Cell Cycle</i> , 2013 , 12, 555-78	4.7	113
298	Fine-tuning the lipogenic/lipolytic balance to optimize the metabolic requirements of cancer cell growth: molecular mechanisms and therapeutic perspectives. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010 , 1801, 381-91	5	112
297	Effects of gamma-linolenic acid and oleic acid on paclitaxel cytotoxicity in human breast cancer cells. <i>European Journal of Cancer</i> , 2001 , 37, 402-13	7.5	111
296	Mitochondrial dysfunction: a basic mechanism in inflammation-related non-communicable diseases and therapeutic opportunities. <i>Mediators of Inflammation</i> , 2013 , 2013, 135698	4.3	104
295	Epithelial-to-mesenchymal transition (EMT) confers primary resistance to trastuzumab (Herceptin). <i>Cell Cycle</i> , 2012 , 11, 4020-32	4.7	104
294	Metformin regulates breast cancer stem cell ontogeny by transcriptional regulation of the epithelial-mesenchymal transition (EMT) status. <i>Cell Cycle</i> , 2010 , 9, 3807-14	4.7	103
293	Metformin is synthetically lethal with glucose withdrawal in cancer cells. <i>Cell Cycle</i> , 2012 , 11, 2782-92	4.7	101

292	Synergism of plant-derived polyphenols in adipogenesis: perspectives and implications. <i>Phytomedicine</i> , 2012 , 19, 253-61	6.5	100
291	Silibinin and STAT3: A natural way of targeting transcription factors for cancer therapy. <i>Cancer Treatment Reviews</i> , 2015 , 41, 540-6	14.4	98
290	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 TGF β -induced oncomiR miRNA-181a. <i>Cell Cycle</i> , 2011 , 10, 1144-51	4.7	97
289	Qualitative screening of phenolic compounds in olive leaf extracts by hyphenated liquid chromatography and preliminary evaluation of cytotoxic activity against human breast cancer cells. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 643-54	4.4	95
288	The angiogenic factor CYR61 in breast cancer: molecular pathology and therapeutic perspectives. <i>Endocrine-Related Cancer</i> , 2003 , 10, 141-52	5.7	95
287	Plant-derived polyphenols regulate expression of miRNA paralogs miR-103/107 and miR-122 and prevent diet-induced fatty liver disease in hyperlipidemic mice. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 894-9	4	94
286	Metabolomic fingerprint reveals that metformin impairs one-carbon metabolism in a manner similar to the antifolate class of chemotherapy drugs. <i>Aging</i> , 2012 , 4, 480-98	5.6	93
285	Targeting fatty acid synthase in breast and endometrial cancer: An alternative to selective estrogen receptor modulators?. <i>Endocrinology</i> , 2006 , 147, 4056-66	4.8	91
284	Mitochondrial fusion by pharmacological manipulation impedes somatic cell reprogramming to pluripotency: new insight into the role of mitophagy in cell stemness. <i>Aging</i> , 2012 , 4, 393-401	5.6	90
283	Anti-HER2 (erbB-2) oncogene effects of phenolic compounds directly isolated from commercial Extra-Virgin Olive Oil (EVOO). <i>BMC Cancer</i> , 2008 , 8, 377	4.8	88
282	A genomic explanation connecting "Mediterranean diet", olive oil and cancer: oleic acid, the main monounsaturated fatty acid of olive oil, induces formation of inhibitory "PEA3 transcription factor-PEA3 DNA binding site" complexes at the Her-2/neu (erbB-2) oncogene promoter in breast, ovarian and stomach cancer cells. <i>European Journal of Cancer</i> , 2006 , 42, 2425-32	7.5	88
281	Pharmacological and small interference RNA-mediated inhibition of breast cancer-associated fatty acid synthase (oncogenic antigen-519) synergistically enhances Taxol (paclitaxel)-induced cytotoxicity. <i>International Journal of Cancer</i> , 2005 , 115, 19-35	7.5	88
280	Activation of AMP-activated protein kinase (AMPK) provides a metabolic barrier to reprogramming somatic cells into stem cells. <i>Cell Cycle</i> , 2012 , 11, 974-89	4.7	87
279	Mapping protein-protein interactions for the yeast ABC transporter Ycf1p by integrated split-ubiquitin membrane yeast two-hybrid analysis. <i>Molecular Cell</i> , 2007 , 26, 15-25	17.6	87
278	Fatty acid metabolism in breast cancer cells: differential inhibitory effects of epigallocatechin gallate (EGCG) and C75. <i>Breast Cancer Research and Treatment</i> , 2008 , 109, 471-9	4.4	86
277	AlphaVbeta3 integrin regulates heregulin (HRG)-induced cell proliferation and survival in breast cancer. <i>Oncogene</i> , 2005 , 24, 3759-73	9.2	84
276	The anti-malarial chloroquine overcomes primary resistance and restores sensitivity to trastuzumab in HER2-positive breast cancer. <i>Scientific Reports</i> , 2013 , 3, 2469	4.9	81
275	Mediterranean diet, olive oil and cancer. <i>Clinical and Translational Oncology</i> , 2006 , 8, 15-21	3.6	80

274	Solid neuroendocrine breast carcinomas: incidence, clinico-pathological features and immunohistochemical profiling. <i>Oncology Reports</i> , 2008 , 20, 1369-74	3.5	79
273	The active form of the metabolic sensor: AMP-activated protein kinase (AMPK) directly binds the mitotic apparatus and travels from centrosomes to the spindle midzone during mitosis and cytokinesis. <i>Cell Cycle</i> , 2009 , 8, 2385-98	4.7	77
272	Metabostemness: a new cancer hallmark. <i>Frontiers in Oncology</i> , 2014 , 4, 262	5.3	76
271	Nuclear reprogramming of luminal-like breast cancer cells generates Sox2-overexpressing cancer stem-like cellular states harboring transcriptional activation of the mTOR pathway. <i>Cell Cycle</i> , 2013 , 12, 3109-24	4.7	76
270	Chemical inhibition of acetyl-CoA carboxylase suppresses self-renewal growth of cancer stem cells. <i>Oncotarget</i> , 2014 , 5, 8306-16	3.3	76
269	Polyphenols and the modulation of gene expression pathways: can we eat our way out of the danger of chronic disease?. <i>Critical Reviews in Food Science and Nutrition</i> , 2014 , 54, 985-1001	11.5	75
268	Direct characterization of aqueous extract of Hibiscus sabdariffa using HPLC with diode array detection coupled to ESI and ion trap MS. <i>Journal of Separation Science</i> , 2009 , 32, 3441-8	3.4	75
267	Continuous administration of polyphenols from aqueous rooibos (<i>Aspalathus linearis</i>) extract ameliorates dietary-induced metabolic disturbances in hyperlipidemic mice. <i>Phytomedicine</i> , 2011 , 18, 414-24	6.5	73
266	Oncogenic properties of the endogenous fatty acid metabolism: molecular pathology of fatty acid synthase in cancer cells. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2006 , 9, 346-57	3.8	73
265	Exogenous supplementation with omega-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. <i>European Journal of Cancer Prevention</i> , 2005 , 14, 263-70	2	73
264	Prediction of extra virgin olive oil varieties through their phenolic profile. Potential cytotoxic activity against human breast cancer cells. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 9942-55	5.7	72
263	Mediterranean dietary traditions for the molecular treatment of human cancer: anti-oncogenic actions of the main olive oil's monounsaturated fatty acid oleic acid (18:1n-9). <i>Current Pharmaceutical Biotechnology</i> , 2006 , 7, 495-502	2.6	72
262	Cell cycle regulation by the nutrient-sensing mammalian target of rapamycin (mTOR) pathway. <i>Methods in Molecular Biology</i> , 2014 , 1170, 113-44	1.4	72
261	Protein array technology to detect HER2 (erbB-2)-induced 'cytokine signature' in breast cancer. <i>European Journal of Cancer</i> , 2007 , 43, 1117-24	7.5	71
260	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. <i>Journal of Cellular Biochemistry</i> , 2005 , 94, 1-4	4.7	69
259	Metformin activates an ataxia telangiectasia mutated (ATM)/Chk2-regulated DNA damage-like response. <i>Cell Cycle</i> , 2011 , 10, 1499-501	4.7	68
258	Molecular promiscuity of plant polyphenols in the management of age-related diseases: far beyond their antioxidant properties. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 824, 141-59	3.6	66
257	Metformin regulates global DNA methylation via mitochondrial one-carbon metabolism. <i>Oncogene</i> , 2018 , 37, 963-970	9.2	65

256	The mitochondrial H(+)-ATP synthase and the lipogenic switch: new core components of metabolic reprogramming in induced pluripotent stem (iPS) cells. <i>Cell Cycle</i> , 2013 , 12, 207-18	4.7	65
255	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. <i>Molecular Carcinogenesis</i> , 2004 , 41, 164-78	5	65
254	Synergistic interaction between vinorelbine and gamma-linolenic acid in breast cancer cells. <i>Breast Cancer Research and Treatment</i> , 2002 , 72, 203-19	4.4	65
253	Metformin Is a Direct SIRT1-Activating Compound: Computational Modeling and Experimental Validation. <i>Frontiers in Endocrinology</i> , 2018 , 9, 657	5.7	64
252	IGF-1R/epithelial-to-mesenchymal transition (EMT) crosstalk suppresses the erlotinib-sensitizing effect of EGFR exon 19 deletion mutations. <i>Scientific Reports</i> , 2013 , 3, 2560	4.9	63
251	Inhibition of tumor-associated fatty acid synthase hyperactivity induces synergistic chemosensitization of HER -2/ neu -overexpressing human breast cancer cells to docetaxel (taxotere). <i>Breast Cancer Research and Treatment</i> , 2004 , 84, 183-95	4.4	63
250	Trastuzumab in combination with heregulin-activated Her-2 (erbB-2) triggers a receptor-enhanced chemosensitivity effect in the absence of Her-2 overexpression. <i>Journal of Clinical Oncology</i> , 2006 , 24, 3735-46	2.2	62
249	Targeting fatty acid synthase: potential for therapeutic intervention in her-2/neu-overexpressing breast cancer. <i>Drug News and Perspectives</i> , 2005 , 18, 375-85		61
248	Mapping of the circulating metabolome reveals Eketoglutarate as a predictor of morbid obesity-associated non-alcoholic fatty liver disease. <i>International Journal of Obesity</i> , 2015 , 39, 279-87	5.5	60
247	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. <i>Oncotarget</i> , 2012 , 3, 1600-14	3.3	60
246	AMPK: Evidence for an energy-sensing cytokinetic tumor suppressor. <i>Cell Cycle</i> , 2009 , 8, 3679-83	4.7	60
245	Targeting fatty acid synthase-driven lipid rafts: a novel strategy to overcome trastuzumab resistance in breast cancer cells. <i>Medical Hypotheses</i> , 2005 , 64, 997-1001	3.8	60
244	Virgin Olive Oil and Health: Summary of the III International Conference on Virgin Olive Oil and Health Consensus Report, JAEN (Spain) 2018. <i>Nutrients</i> , 2019 , 11,	6.7	59
243	Metformin and the ATM DNA damage response (DDR): accelerating the onset of stress-induced senescence to boost protection against cancer. <i>Aging</i> , 2011 , 3, 1063-77	5.6	59
242	Targeting STAT3 with silibinin to improve cancer therapeutics. <i>Cancer Treatment Reviews</i> , 2017 , 58, 61-69	4.4	57
241	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. <i>Cell Cycle</i> , 2013 , 12, 3390-404	4.7	57
240	Silibinin suppresses EMT-driven erlotinib resistance by reversing the high miR-21/low miR-200c signature in vivo. <i>Scientific Reports</i> , 2013 , 3, 2459	4.9	56
239	Analyzing effects of extra-virgin olive oil polyphenols on breast cancer-associated fatty acid synthase protein expression using reverse-phase protein microarrays. <i>International Journal of Molecular Medicine</i> , 2008 , 22, 433-9	4.4	56

238	HER2 (erbB-2)-targeted effects of the omega-3 polyunsaturated fatty acid, alpha-linolenic acid (ALA; 18:3n-3), in breast cancer cells: the "fat features" of the "Mediterranean diet" as an "anti-HER2 cocktail". <i>Clinical and Translational Oncology</i> , 2006 , 8, 812-20	3.6	55
237	Why does tumor-associated fatty acid synthase (oncogenic antigen-519) ignore dietary fatty acids?. <i>Medical Hypotheses</i> , 2005 , 64, 342-9	3.8	55
236	The nutritional phenome of EMT-induced cancer stem-like cells. <i>Oncotarget</i> , 2014 , 5, 3970-82	3.3	55
235	Acquired resistance to metformin in breast cancer cells triggers transcriptome reprogramming toward a degradome-related metastatic stem-like profile. <i>Cell Cycle</i> , 2014 , 13, 1132-44	4.7	54
234	Dynamic emergence of the mesenchymal CD44(pos)CD24(neg/low) phenotype in HER2-gene amplified breast cancer cells with de novo resistance to trastuzumab (Herceptin). <i>Biochemical and Biophysical Research Communications</i> , 2010 , 397, 27-33	3.4	54
233	Mitophagy-driven mitochondrial rejuvenation regulates stem cell fate. <i>Aging</i> , 2016 , 8, 1330-52	5.6	54
232	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). <i>International Journal of Molecular Medicine</i> , 2007 , 20, 3-10	4.4	54
231	Lemon verbena (<i>Lippia citriodora</i>) polyphenols alleviate obesity-related disturbances in hypertrophic adipocytes through AMPK-dependent mechanisms. <i>Phytomedicine</i> , 2015 , 22, 605-14	6.5	53
230	Fatty acid synthase regulates estrogen receptor- β signaling in breast cancer cells. <i>Oncogenesis</i> , 2017 , 6, e299	6.6	51
229	Metformin limits the tumorigenicity of iPS cells without affecting their pluripotency. <i>Scientific Reports</i> , 2012 , 2, 964	4.9	51
228	Repositioning chloroquine and metformin to eliminate cancer stem cell traits in pre-malignant lesions. <i>Drug Resistance Updates</i> , 2011 , 14, 212-23	23.2	51
227	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 (Tykerb). <i>Clinical and Translational Oncology</i> , 2009 , 11, 455-9	3.6	51
226	BRCA1 and acetyl-CoA carboxylase: the metabolic syndrome of breast cancer. <i>Molecular Carcinogenesis</i> , 2008 , 47, 157-63	5	51
225	Multifunctional targets of dietary polyphenols in disease: a case for the chemokine network and energy metabolism. <i>Food and Chemical Toxicology</i> , 2013 , 51, 267-79	4.7	50
224	Gerosuppressant metformin: less is more. <i>Aging</i> , 2011 , 3, 348-62	5.6	50
223	Metformin lowers the threshold for stress-induced senescence: a role for the microRNA-200 family and miR-205. <i>Cell Cycle</i> , 2012 , 11, 1235-46	4.7	50
222	Genome-wide inhibitory impact of the AMPK activator metformin on [kinesins, tubulins, histones, auroras and polo-like kinases] M-phase cell cycle genes in human breast cancer cells. <i>Cell Cycle</i> , 2009 , 8, 1633-6	4.7	49
221	Metformin and energy metabolism in breast cancer: from insulin physiology to tumour-initiating stem cells. <i>Current Molecular Medicine</i> , 2010 , 10, 674-91	2.5	49

220	Resveratrol targets PD-L1 glycosylation and dimerization to enhance antitumor T-cell immunity. <i>Aging</i> , 2020 , 12, 8-34	5.6	49
219	Potential Drugs Targeting Early Innate Immune Evasion of SARS-Coronavirus 2 via 2'-O-Methylation of Viral RNA. <i>Viruses</i> , 2020 , 12,	6.2	48
218	Incorporating the antidiabetic drug metformin in HER2-positive breast cancer treated with neo-adjuvant chemotherapy and trastuzumab: an ongoing clinical-translational research experience at the Catalan Institute of Oncology. <i>Annals of Oncology</i> , 2010 , 21, 187-9	10.3	48
217	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. <i>Food and Chemical Toxicology</i> , 2013 , 60, 360-8	4.7	44
216	The antidiabetic drug metformin: a pharmaceutical AMPK activator to overcome breast cancer resistance to HER2 inhibitors while decreasing risk of cardiomyopathy. <i>Annals of Oncology</i> , 2009 , 20, 592-5	10.3	44
215	Mitotic kinase dynamics of the active form of AMPK (phospho-AMPK α Thr172) in human cancer cells. <i>Cell Cycle</i> , 2009 , 8, 788-91	4.7	44
214	Metformin directly targets the H3K27me3 demethylase KDM6A/UTX. <i>Aging Cell</i> , 2018 , 17, e12772	9.9	43
213	Androgen-independent prostate cancer cells circumvent EGFR inhibition by overexpression of alternative HER receptors and ligands. <i>International Journal of Oncology</i> , 2012 , 41, 1128-38	4.4	43
212	Characterization of isomers of oleuropein aglycon in olive oils by rapid-resolution liquid chromatography coupled to electrospray time-of-flight and ion trap tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 51-9	2.2	43
211	Basal/HER2 breast carcinomas: integrating molecular taxonomy with cancer stem cell dynamics to predict primary resistance to trastuzumab (Herceptin). <i>Cell Cycle</i> , 2013 , 12, 225-45	4.7	42
210	Oncometabolic mutation IDH1 R132H confers a metformin-hypersensitive phenotype. <i>Oncotarget</i> , 2015 , 6, 12279-96	3.3	41
209	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. <i>International Journal of Oncology</i> , 2004 , 24, 591-608	1	41
208	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. <i>Oncology Reports</i> , 2004 , 11, 1241-52	3.5	41
207	Hibiscus sabdariffa extract lowers blood pressure and improves endothelial function. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 1374-8	5.9	40
206	Inhibitor of Apoptosis (IAP) survivin is indispensable for survival of HER2 gene-amplified breast cancer cells with primary resistance to HER1/2-targeted therapies. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 407, 412-9	3.4	40
205	Pathway-focused proteomic signatures in HER2-overexpressing breast cancer with a basal-like phenotype: new insights into de novo resistance to trastuzumab (Herceptin). <i>International Journal of Oncology</i> , 2010 , 37, 669-78	4.4	40
204	Trastuzumab plus tamoxifen: anti-proliferative and molecular interactions in breast carcinoma. <i>Breast Cancer Research and Treatment</i> , 2004 , 86, 125-37	4.4	40
203	Metformin as an archetype immuno-metabolic adjuvant for cancer immunotherapy. <i>Onc Immunology</i> , 2019 , 8, e1633235	7.2	39

202	Tentative characterization of novel phenolic compounds in extra virgin olive oils by rapid-resolution liquid chromatography coupled with mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 11140-7	5.7	39
201	STAT3-targeted treatment with silibinin overcomes the acquired resistance to crizotinib in ALK-rearranged lung cancer. <i>Cell Cycle</i> , 2016 , 15, 3413-3418	4.7	38
200	Extracellular fatty acid synthase: a possible surrogate biomarker of insulin resistance. <i>Diabetes</i> , 2010 , 59, 1506-11	0.9	38
199	Polo-like kinase 1 regulates activation of AMP-activated protein kinase (AMPK) at the mitotic apparatus. <i>Cell Cycle</i> , 2011 , 10, 1295-302	4.7	38
198	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 (Tykerb) in human breast carcinoma cells. <i>Annals of Oncology</i> , 2008 , 19, 1097-109	10.3	38
197	Pharmacological blockade of fatty acid synthase (FASN) reverses acquired autoresistance to trastuzumab (Herceptin) by transcriptionally inhibiting 'HER2 super-expression' occurring in high-dose trastuzumab-conditioned SKBR3/Tzb100 breast cancer cells. <i>International Journal of Cancer</i> , 2007 , 117, 170-74	1	37
196	Cross-suppression of EGFR ligands amphiregulin and epiregulin and de-repression of FGFR3 signalling contribute to cetuximab resistance in wild-type KRAS tumour cells. <i>British Journal of Cancer</i> , 2012 , 106, 1406-14	8.7	36
195	Fatty acid synthase-catalyzed de novo fatty acid biosynthesis: from anabolic-energy-storage pathway in normal tissues to jack-of-all-trades in cancer cells. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2004 , 52, 414-26	4	36
194	Silibinin is a direct inhibitor of STAT3. <i>Food and Chemical Toxicology</i> , 2018 , 116, 161-172	4.7	35
193	Extra-virgin olive oil contains a metabolo-epigenetic inhibitor of cancer stem cells. <i>Carcinogenesis</i> , 2018 , 39, 601-613	4.6	35
192	Oncobiguanides: Paracelsus' law and nonconventional routes for administering diabetobiguanides for cancer treatment. <i>Oncotarget</i> , 2014 , 5, 2344-8	3.3	35
191	Suppression of endogenous lipogenesis induces reversion of the malignant phenotype and normalized differentiation in breast cancer. <i>Oncotarget</i> , 2016 , 7, 71151-71168	3.3	35
190	Inhibition of Fatty Acid Synthase (FASN) synergistically enhances the efficacy of 5-fluorouracil in breast carcinoma cells. <i>Oncology Reports</i> , 2007 , 18, 973-80	3.5	35
189	Pediatric solid organ transplant recipients: transition to home and chronic illness care. <i>Pediatric Transplantation</i> , 2015 , 19, 118-29	1.8	34
188	Phenolic secoiridoids in extra virgin olive oil impede fibrogenic and oncogenic epithelial-to-mesenchymal transition: extra virgin olive oil as a source of novel antiaging phytochemicals. <i>Rejuvenation Research</i> , 2012 , 15, 3-21	2.6	34
187	Stem cell property epithelial-to-mesenchymal transition is a core transcriptional network for predicting cetuximab (Erbitux) efficacy in KRAS wild-type tumor cells. <i>Journal of Cellular Biochemistry</i> , 2011 , 112, 10-29	4.7	34
186	A phase 2 trial of neoadjuvant metformin in combination with trastuzumab and chemotherapy in women with early HER2-positive breast cancer: the METTEN study. <i>Oncotarget</i> , 2018 , 9, 35687-35704	3.3	34
185	The anti-diabetic drug metformin suppresses the metastasis-associated protein CD24 in MDA-MB-468 triple-negative breast cancer cells. <i>Oncology Reports</i> , 2011 , 25, 135-40	3.5	33

184	Reprogramming of non-genomic estrogen signaling by the stemness factor SOX2 enhances the tumor-initiating capacity of breast cancer cells. <i>Cell Cycle</i> , 2013 , 12, 3471-7	4.7	32
183	Metformin rescues cell surface major histocompatibility complex class I (MHC-I) deficiency caused by oncogenic transformation. <i>Cell Cycle</i> , 2012 , 11, 865-70	4.7	31
182	Inhibition of tumor-associated fatty acid synthase activity antagonizes estradiol- and tamoxifen-induced agonist transactivation of estrogen receptor (ER) in human endometrial adenocarcinoma cells. <i>Oncogene</i> , 2004 , 23, 4945-58	9.2	31
181	Metformin and SARS-CoV-2: mechanistic lessons on air pollution to weather the cytokine/thrombotic storm in COVID-19. <i>Aging</i> , 2020 , 12, 8760-8765	5.6	31
180	Autophagy is an inflammation-related defensive mechanism against disease. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 824, 43-59	3.6	30
179	Effect of gamma-linolenic acid on the transcriptional activity of the Her-2/neu (erbB-2) oncogene. <i>Journal of the National Cancer Institute</i> , 2005 , 97, 1611-5	9.7	30
178	Gerometabolites: the pseudohypoxic aging side of cancer oncometabolites. <i>Cell Cycle</i> , 2014 , 13, 699-709	4.7	29
177	Raptor, a positive regulatory subunit of mTOR complex 1, is a novel phosphoprotein of the rDNA transcription machinery in nucleoli and chromosomal nucleolus organizer regions (NORs). <i>Cell Cycle</i> , 2011 , 10, 3140-52	4.7	29
176	A 2-D-HPLC-CE platform coupled to ESI-TOF-MS to characterize the phenolic fraction in olive oil. <i>Electrophoresis</i> , 2009 , 30, 2688-701	3.6	29
175	Up-regulation of alphavbeta3 integrin expression is a novel molecular response to chemotherapy-induced cell damage in a heregulin-dependent manner. <i>Differentiation</i> , 2007 , 75, 819-30	3.5	29
174	Dietary restriction-resistant human tumors harboring the PIK3CA-activating mutation H1047R are sensitive to metformin. <i>Oncotarget</i> , 2013 , 4, 1484-95	3.3	29
173	Response of brain metastasis from lung cancer patients to an oral nutraceutical product containing silibinin. <i>Oncotarget</i> , 2016 , 7, 32006-14	3.3	29
172	Oncometabolic Nuclear Reprogramming of Cancer Stemness. <i>Stem Cell Reports</i> , 2016 , 6, 273-83	8	28
171	Exploring the Process of Energy Generation in Pathophysiology by Targeted Metabolomics: Performance of a Simple and Quantitative Method. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 168-77	3.5	28
170	Metabolic control of cancer cell stemness: Lessons from iPS cells. <i>Cell Cycle</i> , 2015 , 14, 3801-11	4.7	28
169	If mammalian target of metformin indirectly is mammalian target of rapamycin, then the insulin-like growth factor-1 receptor axis will audit the efficacy of metformin in cancer clinical trials. <i>Journal of Clinical Oncology</i> , 2009 , 27, e207-9; author reply e210	2.2	28
168	A bidirectional "alpha(v)beta(3) integrin-ERK1/ERK2 MAPK" connection regulates the proliferation of breast cancer cells. <i>Molecular Carcinogenesis</i> , 2006 , 45, 795-804	5	28
167	The antiobesity drug Orlistat induces cytotoxic effects, suppresses Her-2/neu (erbB-2) oncogene overexpression, and synergistically interacts with trastuzumab (Herceptin) in chemoresistant ovarian cancer cells. <i>International Journal of Gynecological Cancer</i> , 2006 , 16, 219-21	3.5	28

166	Liver fat deposition and mitochondrial dysfunction in morbid obesity: An approach combining metabolomics with liver imaging and histology. <i>World Journal of Gastroenterology</i> , 2015 , 21, 7529-44	5.6	28
165	Inhibition of tumor-associated fatty acid synthase activity enhances vinorelbine (Navelbine)-induced cytotoxicity and apoptotic cell death in human breast cancer cells. <i>Oncology Reports</i> , 2004 , 12, 411-22	3.5	28
164	Does endogenous fatty acid metabolism allow cancer cells to sense hypoxia and mediate hypoxic vasodilatation? Characterization of a novel molecular connection between fatty acid synthase (FAS) and hypoxia-inducible factor-1alpha (HIF-1alpha)-related expression of vascular endothelial growth factor (VEGF) in cancer cells overexpressing her-2/neu oncogene. <i>Journal of Cellular Biochemistry</i> , Clinical and therapeutic relevance of the metabolic oncogene fatty acid synthase in HER2+ breast cancer. <i>Histology and Histopathology</i> , 2017 , 32, 687-698	4.7	27
163	Uptake and metabolism of olive oil polyphenols in human breast cancer cells using nano-liquid chromatography coupled to electrospray ionization-time of flight-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 898, 69-77	1.4	27
162	Cancer stem cell-driven efficacy of trastuzumab (Herceptin): towards a reclassification of clinically HER2-positive breast carcinomas. <i>Oncotarget</i> , 2015 , 6, 32317-38	3.2	26
161	Silibinin and SARS-CoV-2: Dual Targeting of Host Cytokine Storm and Virus Replication Machinery for Clinical Management of COVID-19 Patients. <i>Journal of Clinical Medicine</i> , 2020 , 9,	3.3	26
160	The promiscuous and synergic molecular interaction of polyphenols in bactericidal activity: an opportunity to improve the performance of antibiotics?. <i>Phytotherapy Research</i> , 2015 , 29, 466-73	5.1	25
159	Metabostemness: Metaboloepigenetic reprogramming of cancer stem-cell functions. <i>Oncoscience</i> , 2014 , 1, 803-6	6.7	25
158	Overexpression and hyperactivity of breast cancer-associated fatty acid synthase (oncogenic antigen-519) is insensitive to normal arachidonic fatty acid-induced suppression in lipogenic tissues but it is selectively inhibited by tumoricidal alpha-linolenic and gamma-linolenic fatty acids: a novel mechanism for inhibition of fatty acid synthase activity in cancer cells. <i>Journal of Cellular Biochemistry</i> , 2011 , 102, 103-11	0.8	25
157	Lapatinib, a dual HER1/HER2 tyrosine kinase inhibitor, augments basal cleavage of HER2 extracellular domain (ECD) to inhibit HER2-driven cancer cell growth. <i>Journal of Cellular Physiology</i> , 2011 , 226, 52-7	1	25
156	Orlistat: from antiobesity drug to anticancer agent in Her-2/neu (erbB-2)-overexpressing gastrointestinal tumors?. <i>Experimental Biology and Medicine</i> , 2005 , 230, 151-4	7	24
155	Activation of the methylation cycle in cells reprogrammed into a stem cell-like state. <i>Oncoscience</i> , 2015 , 2, 958-967	3.7	24
154	Germline BRCA1 mutation reprograms breast epithelial cell metabolism towards mitochondrial-dependent biosynthesis: evidence for metformin-based "starvation" strategies in BRCA1 carriers. <i>Oncotarget</i> , 2016 , 7, 52974-52992	0.8	24
153	Dietary fatty acids regulate the activation status of Her-2/neu (c-erbB-2) oncogene in breast cancer cells. <i>Annals of Oncology</i> , 2004 , 15, 1719-21	3.3	24
152	Anti-protozoal and anti-bacterial antibiotics that inhibit protein synthesis kill cancer subtypes enriched for stem cell-like properties. <i>Cell Cycle</i> , 2015 , 14, 3527-32	10.3	23
151	Pro-Oxidant Activity of Amine-Pyridine-Based Iron Complexes Efficiently Kills Cancer and Cancer Stem-Like Cells. <i>PLoS ONE</i> , 2015 , 10, e0137800	4.7	22
150	Energy metabolism and metabolic sensors in stem cells: the metabostem crossroads of aging and cancer. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 824, 117-40	3.7	22
149		3.6	22

148	The serine 2481-autophosphorylated form of mammalian Target Of Rapamycin (mTOR) is localized to midzone and midbody in dividing cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 380, 638-43	3.4	22
147	The tyrosine kinase receptor HER2 (erbB-2): from oncogenesis to adipogenesis. <i>Journal of Cellular Biochemistry</i> , 2008 , 105, 1147-52	4.7	22
146	Inhibition of fatty acid synthase-dependent neoplastic lipogenesis as the mechanism of gamma-linolenic acid-induced toxicity to tumor cells: an extension to Nwankwo's hypothesis. <i>Medical Hypotheses</i> , 2005 , 64, 337-41	3.8	22
145	Successful empirical erlotinib treatment of a mechanically ventilated patient newly diagnosed with metastatic lung adenocarcinoma. <i>Lung Cancer</i> , 2014 , 86, 102-4	5.9	21
144	Nutrients in Energy and One-Carbon Metabolism: Learning from Metformin Users. <i>Nutrients</i> , 2017 , 9,	6.7	21
143	Thyroid hormone responsive Spot 14 increases during differentiation of human adipocytes and its expression is down-regulated in obese subjects. <i>International Journal of Obesity</i> , 2010 , 34, 487-99	5.5	21
142	Computer-aided discovery of biological activity spectra for anti-aging and anti-cancer olive oil oleuropeins. <i>Aging</i> , 2014 , 6, 731-41	5.6	21
141	The LSD1 inhibitor iadademstat (ORY-1001) targets SOX2-driven breast cancer stem cells: a potential epigenetic therapy in luminal-B and HER2-positive breast cancer subtypes. <i>Aging</i> , 2020 , 12, 4794-4814	5.6	21
140	The extra virgin olive oil phenolic oleacein is a dual substrate-inhibitor of catechol-O-methyltransferase. <i>Food and Chemical Toxicology</i> , 2019 , 128, 35-45	4.7	20
139	The acute impact of polyphenols from Hibiscus sabdariffa in metabolic homeostasis: an approach combining metabolomics and gene-expression analyses. <i>Food and Function</i> , 2015 , 6, 2957-66	6.1	20
138	Omega-6 polyunsaturated fatty acid gamma-linolenic acid (18:3n-6) is a selective estrogen-response modulator in human breast cancer cells: gamma-linolenic acid antagonizes estrogen receptor-dependent transcriptional activity, transcriptionally represses estrogen receptor expression and synergistically enhances tamoxifen and ICI 182,780 (Fastodex) efficacy in human	7.5	20
137	Epigenetics and nutrition-related epidemics of metabolic diseases: Current perspectives and challenges. <i>Food and Chemical Toxicology</i> , 2016 , 96, 191-204	4.7	20
136	RNA interference-mediated silencing of the p53 tumor-suppressor protein drastically increases apoptosis after inhibition of endogenous fatty acid metabolism in breast cancer cells. <i>International Journal of Molecular Medicine</i> , 2005 , 15, 33-40	4.4	20
135	A multiscale model of epigenetic heterogeneity-driven cell fate decision-making. <i>PLoS Computational Biology</i> , 2019 , 15, e1006592	5	19
134	AMPK-sensed cellular energy state regulates the release of extracellular Fatty Acid Synthase. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 378, 488-93	3.4	19
133	Crude phenolic extracts from extra virgin olive oil circumvent de novo breast cancer resistance to HER1/HER2-targeting drugs by inducing GADD45-sensed cellular stress, G2/M arrest and hyperacetylation of Histone H3. <i>International Journal of Oncology</i> , 2011 , 38, 1533-47	4.4	19
132	Infection with HIV and HCV enhances the release of fatty acid synthase into circulation: evidence for a novel indicator of viral infection. <i>BMC Gastroenterology</i> , 2010 , 10, 92	3	18
131	Metformin induces a fasting- and antifolate-mimicking modification of systemic host metabolism in breast cancer patients. <i>Aging</i> , 2019 , 11, 2874-2888	5.6	18

130	Metformin inhibits RANKL and sensitizes cancer stem cells to denosumab. <i>Cell Cycle</i> , 2017 , 16, 1022-1028.	4.7	17
129	Laparoscopic sleeve gastrectomy reverses non-alcoholic fatty liver disease modulating oxidative stress and inflammation. <i>Metabolism: Clinical and Experimental</i> , 2019 , 99, 81-89	12.7	17
128	Ser2481-autophosphorylated mTOR colocalizes with chromosomal passenger proteins during mammalian cell cytokinesis. <i>Cell Cycle</i> , 2012 , 11, 4211-21	4.7	17
127	Fatty acid synthase activity regulates HER2 extracellular domain shedding into the circulation of HER2-positive metastatic breast cancer patients. <i>International Journal of Oncology</i> , 2009 , 35, 1369-76	4.4	17
126	ATM germline mutations in Spanish early-onset breast cancer patients negative for BRCA1/BRCA2 mutations. <i>Clinical Genetics</i> , 2008 , 73, 465-73	4	17
125	One-carbon metabolism: an aging-cancer crossroad for the gerosuppressant metformin. <i>Aging</i> , 2012 , 4, 894-8	5.6	17
124	Intestinal Permeability Study of Clinically Relevant Formulations of Silibinin in Caco-2 Cell Monolayers. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	16
123	Extra Virgin Olive Oil Contains a Phenolic Inhibitor of the Histone Demethylase LSD1/KDM1A. <i>Nutrients</i> , 2019 , 11,	6.7	16
122	Senescence-Inflammatory Regulation of Reparative Cellular Reprogramming in Aging and Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2017 , 5, 49	5.7	16
121	Serum fatty acid synthase concentration is increased in patients with hepatitis viral infection and may assist in the prediction of liver steatosis. <i>Journal of Clinical Virology</i> , 2011 , 51, 199-201	14.5	16
120	The metastasis inducer CCN1 (CYR61) activates the fatty acid synthase (FASN)-driven lipogenic phenotype in breast cancer cells. <i>Oncoscience</i> , 2016 , 3, 242-257	0.8	16
119	Structure-Biological Activity Relationships of Extra-Virgin Olive Oil Phenolic Compounds: Health Properties and Bioavailability. <i>Antioxidants</i> , 2020 , 9,	7.1	16
118	Silibinin administration improves hepatic failure due to extensive liver infiltration in a breast cancer patient. <i>Anticancer Research</i> , 2014 , 34, 4323-7	2.3	16
117	Metformin targets histone acetylation in cancer-prone epithelial cells. <i>Cell Cycle</i> , 2016 , 15, 3355-3361	4.7	15
116	The Activation of the Sox2 RR2 Pluripotency Transcriptional Reporter in Human Breast Cancer Cell Lines is Dynamic and Labels Cells with Higher Tumorigenic Potential. <i>Frontiers in Oncology</i> , 2014 , 4, 308	5.3	15
115	Giacomo Castelvetro's salads. Anti-HER2 oncogene nutraceuticals since the 17th century?. <i>Clinical and Translational Oncology</i> , 2008 , 10, 30-4	3.6	15
114	Obesity, fatty acid synthase, and cancer: serendipity or forgotten causal linkage?. <i>Molecular Genetics and Metabolism</i> , 2005 , 84, 293-5	3.7	15
113	Epigenetic regulation of cell fate reprogramming in aging and disease: A predictive computational model. <i>PLoS Computational Biology</i> , 2018 , 14, e1006052	5	15

112	Managing hypertension by polyphenols. <i>Planta Medica</i> , 2015 , 81, 624-9	3.1	14
111	Xenopatients 2.0: reprogramming the epigenetic landscapes of patient-derived cancer genomes. <i>Cell Cycle</i> , 2014 , 13, 358-70	4.7	14
110	Serine79-phosphorylated acetyl-CoA carboxylase, a downstream target of AMPK, localizes to the mitotic spindle poles and the cytokinesis furrow. <i>Cell Cycle</i> , 2013 , 12, 1639-41	4.7	14
109	Direct antitumour activity of zoledronic acid: preclinical and clinical data. <i>Clinical and Translational Oncology</i> , 2011 , 13, 148-55	3.6	14
108	Pharmacological mimicking of caloric restriction elicits epigenetic reprogramming of differentiated cells to stem-like self-renewal states. <i>Rejuvenation Research</i> , 2010 , 13, 519-26	2.6	14
107	Val1483Ile in FASN gene is linked to central obesity and insulin sensitivity in adult white men. <i>Obesity</i> , 2009 , 17, 1755-61	8	14
106	Polo-like kinase 1 directs the AMPK-mediated activation of myosin regulatory light chain at the cytokinetic cleavage furrow independently of energy balance. <i>Cell Cycle</i> , 2012 , 11, 2422-6	4.7	14
105	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-B 2004 , 24, 591		14
104	Her-2/neu-induced "cytokine signature" in breast cancer. <i>Advances in Experimental Medicine and Biology</i> , 2008 , 617, 311-9	3.6	14
103	Tumors defective in homologous recombination rely on oxidative metabolism: relevance to treatments with PARP inhibitors. <i>EMBO Molecular Medicine</i> , 2020 , 12, e11217	12	13
102	Metformin: a cheap and well-tolerated drug that provides benefits for viral infections. <i>HIV Medicine</i> , 2013 , 14, 233-40	2.7	13
101	Metformin and cancer: Quo vadis et cui bono?. <i>Oncotarget</i> , 2016 , 7, 54096-54101	3.3	13
100	Discovery and validation of an INflammatory PROtein-driven GAstric cancer Signature (INPROGAS) using antibody microarray-based oncoproteomics. <i>Oncotarget</i> , 2014 , 5, 1942-54	3.3	13
99	The Metaboloepigentic Dimension of Cancer Stem Cells: Evaluating the Market Potential for New Metabostemness-Targeting Oncology Drugs. <i>Current Pharmaceutical Design</i> , 2015 , 21, 3644-53	3.3	13
98	Extra-virgin olive oil polyphenols inhibit HER2 (erbB-2)-induced malignant transformation in human breast epithelial cells: relationship between the chemical structures of extra-virgin olive oil secoiridoids and lignans and their inhibitory activities on the tyrosine kinase activity of HER2. <i>International Journal of Oncology</i> , 2009 , 34, 43-51	1	13
97	The moonlighting RNA-binding activity of cytosolic serine hydroxymethyltransferase contributes to control compartmentalization of serine metabolism. <i>Nucleic Acids Research</i> , 2019 , 47, 4240-4254	20.1	12
96	A comparison of non-biologically active truncated EGF (EGFt) and full-length hEGF for delivery of Auger electron-emitting ¹¹¹ In to EGFR-positive breast cancer cells and tumor xenografts in athymic mice. <i>Nuclear Medicine and Biology</i> , 2015 , 42, 931-8	2.1	12
95	Identification of active compounds in vegetal extracts based on correlation between activity and HPLC-MS data. <i>Food Chemistry</i> , 2013 , 136, 392-9	8.5	12

94	Metformin Potentiates the Benefits of Dietary Restraint: A Metabolomic Study. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	12
93	Cytokeratin 5/6 fingerprinting in HER2-positive tumors identifies a poor prognosis and trastuzumab-resistant basal-HER2 subtype of breast cancer. <i>Oncotarget</i> , 2015 , 6, 7104-22	3.3	12
92	A possible role for CCR5 in the progression of atherosclerosis in HIV-infected patients: a cross-sectional study. <i>AIDS Research and Therapy</i> , 2013 , 10, 11	3	11
91	Synthetic lethal interaction of cetuximab with MEK1/2 inhibition in NRAS-mutant metastatic colorectal cancer. <i>Oncotarget</i> , 2016 , 7, 82185-82199	3.3	11
90	Stratification of cancer and diabetes based on circulating levels of formate and glucose. <i>Cancer & Metabolism</i> , 2019 , 7, 3	5.4	10
89	The Allele of rs11212617 Associates With Higher Pathological Complete Remission Rate in Breast Cancer Patients Treated With Neoadjuvant Metformin. <i>Frontiers in Oncology</i> , 2019 , 9, 193	5.3	10
88	Mitostemness. <i>Cell Cycle</i> , 2018 , 17, 918-926	4.7	10
87	Evolution of the predictive markers amphiregulin and epiregulin mRNAs during long-term cetuximab treatment of KRAS wild-type tumor cells. <i>Investigational New Drugs</i> , 2012 , 30, 846-52	4.3	10
86	Understanding the role of circulating chemokine (C-C motif) ligand 2 in patients with chronic ischemia threatening the lower extremities. <i>Vascular Medicine</i> , 2014 , 19, 442-51	3.3	10
85	Ubiquitous transgenic overexpression of C-C chemokine ligand 2: a model to assess the combined effect of high energy intake and continuous low-grade inflammation. <i>Mediators of Inflammation</i> , 2013 , 2013, 953841	4.3	10
84	Interferon/STAT1 and neuregulin signaling pathways are exploratory biomarkers of cetuximab (Erbix) efficacy in KRAS wild-type squamous carcinomas: a pathway-based analysis of whole human-genome microarray data from cetuximab-adapted tumor cell-line models. <i>International Journal of Oncology</i> , 2011 , 39, 1455-79	4.4	10
83	Serum HER-2 concentration is associated with insulin resistance and decreases after weight loss. <i>Nutrition and Metabolism</i> , 2010 , 7, 14	4.6	10
82	Pharmacological blockade of Fatty Acid Synthase (FASN) reverses acquired autoresistance to trastuzumab (Herceptin) by transcriptionally inhibiting HER2 super-expression occurring in high-dose trastuzumab-conditioned SKBR3/Tzb100 breast cancer cells 2007 , 31, 769		10
81	BRCA1 haploinsufficiency cell-autonomously activates RANKL expression and generates denosumab-responsive breast cancer-initiating cells. <i>Oncotarget</i> , 2017 , 8, 35019-35032	3.3	10
80	DNA topoisomerase IIalpha (TOP2A) inhibitors up-regulate fatty acid synthase gene expression in SK-Br3 breast cancer cells: in vitro evidence for a 'functional amplicon' involving FAS, Her-2/neu and TOP2A genes. <i>International Journal of Molecular Medicine</i> , 2006 , 18, 1081-7	4.4	10
79	Blockade of a key region in the extracellular domain inhibits HER2 dimerization and signaling. <i>Journal of the National Cancer Institute</i> , 2015 , 107, djv090	9.7	9
78	CCN1 promotes vascular endothelial growth factor secretion through $\alpha 5 \beta 1$ integrin receptors in breast cancer. <i>Journal of Cell Communication and Signaling</i> , 2014 , 8, 23-7	5.2	9
77	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). <i>International Journal of Molecular Medicine</i> , 2007 ,	4.4	9

76	Accelerated geroncogenesis in hereditary breast-ovarian cancer syndrome. <i>Oncotarget</i> , 2016 , 7, 11959-733	3.3	9
75	An olive oil phenolic is a new chemotype of mutant isocitrate dehydrogenase 1 (IDH1) inhibitors. <i>Carcinogenesis</i> , 2019 , 40, 27-40	4.6	9
74	The estrogenic activity of synthetic progestins used in oral contraceptives enhances fatty acid synthase-dependent breast cancer cell proliferation and survival. <i>International Journal of Oncology</i> , 2005 , 26, 1507-15	1	9
73	Computational de-orphanization of the olive oil biophenol oleacein: Discovery of new metabolic and epigenetic targets. <i>Food and Chemical Toxicology</i> , 2019 , 131, 110529	4.7	8
72	Chemokine (C-C motif) ligand 2 gene ablation protects low-density lipoprotein and paraoxonase-1 double deficient mice from liver injury, oxidative stress and inflammation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 1555-1566	6.9	8
71	Metabolomic mapping of cancer stem cells for reducing and exploiting tumor heterogeneity. <i>Oncotarget</i> , 2017 , 8, 99223-99236	3.3	8
70	Revisiting silibinin as a novobiocin-like Hsp90 C-terminal inhibitor: Computational modeling and experimental validation. <i>Food and Chemical Toxicology</i> , 2019 , 132, 110645	4.7	8
69	Polyphenols in Olive Oil 2010 , 167-175		8
68	Expression status of the autophagy-regulatory gene ATG6/BECN1 in ERBB2-positive breast carcinomas: bypassing ERBB2-induced oncogenic senescence to regulate the efficacy of ERBB2-targeted therapies. <i>Genes Chromosomes and Cancer</i> , 2011 , 50, 284-90	5	8
67	Plasma metabolic alterations in patients with severe obesity and non-alcoholic steatohepatitis. <i>Alimentary Pharmacology and Therapeutics</i> , 2020 , 51, 374-387	6.1	8
66	Immune-related adverse events and atypical radiological response with checkpoint inhibitor immunotherapy in an elderly patient with high PD-L1 expressing lung adenocarcinoma. <i>Oncotarget</i> , 2018 , 9, 33043-33049	3.3	8
65	Plasma Energy-Balance Metabolites Discriminate Asymptomatic Patients with Peripheral Artery Disease. <i>Mediators of Inflammation</i> , 2018 , 2018, 2760272	4.3	8
64	Fatty Acid Synthase Is a Key Enabler for Endocrine Resistance in Heregulin-Overexpressing Luminal B-Like Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
63	Differential inhibitory effect of a pyrazolopyran compound on human serine hydroxymethyltransferase-amino acid complexes. <i>Archives of Biochemistry and Biophysics</i> , 2018 , 653, 71-79	4.1	7
62	EphA2 receptor activation with ephrin-A1 ligand restores cetuximab efficacy in NRAS-mutant colorectal cancer cells. <i>Oncology Reports</i> , 2017 , 38, 263-270	3.5	7
61	RNA interference-mediated silencing of the p53 tumor-suppressor protein drastically increases apoptosis after inhibition of endogenous fatty acid metabolism in breast cancer cells. <i>International Journal of Molecular Medicine</i> , 2005 , 15, 33	4.4	7
60	Metformin: Sentinel of the Epigenetic Landscapes That Underlie Cell Fate and Identity. <i>Biomolecules</i> , 2020 , 10,	5.9	7
59	Chemokine (C-C motif) ligand 2 and coronary artery disease: Tissue expression of functional and atypical receptors. <i>Cytokine</i> , 2020 , 126, 154923	4	7

58	Fatty Acid Synthase Confers Tamoxifen Resistance to ER+/HER2+ Breast Cancer. <i>Cancers</i> , 2021 , 13,	6.6	7
57	Neoadjuvant Metformin Added to Systemic Therapy Decreases the Proliferative Capacity of Residual Breast Cancer. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	7
56	Metabolic stress in infected cells may represent a therapeutic target for human immunodeficiency virus infection. <i>Medical Hypotheses</i> , 2013 , 81, 125-30	3.8	6
55	Serum concentrations of extracellular fatty acid synthase in patients with steatohepatitis. <i>Clinical Chemistry and Laboratory Medicine</i> , 2009 , 47, 1097-9	5.9	6
54	Heregulin, a new regulator of telomere length in human cells. <i>Oncotarget</i> , 2015 , 6, 39422-36	3.3	6
53	Chemokine C-C motif ligand 2 overexpression drives tissue-specific metabolic responses in the liver and muscle of mice. <i>Scientific Reports</i> , 2020 , 10, 11954	4.9	6
52	Heregulin-triggered Her-2/neu signaling enhances nuclear accumulation of p21WAF1/CIP1 and protects breast cancer cells from cisplatin-induced genotoxic damage. <i>International Journal of Oncology</i> , 2005 , 26, 649-59	1	6
51	Serine 2481-autophosphorylation of mammalian target of rapamycin (mTOR) couples with chromosome condensation and segregation during mitosis: confocal microscopy characterization and immunohistochemical validation of PP-mTOR(Ser2481) as a novel high-contrast mitosis marker in breast cancer core biopsies. <i>International Journal of Oncology</i> , 2010 , 36, 107-15	4.4	6
50	Diagnostic utility of mammaglobin and GCDFP-15 in the identification of primary neuroendocrine carcinomas of the breast. <i>Breast Cancer Research and Treatment</i> , 2011 , 126, 241-5	4.4	5
49	Antibody microarray-based technology to rapidly define matrix metalloproteinase (MMP) signatures in patients undergoing resection for primary gastric carcinoma. <i>Journal of Surgical Oncology</i> , 2011 , 104, 106-9	2.8	5
48	Quantitative and functional influence of surround luminance on the letter contrast sensitivity function. <i>Ophthalmic and Physiological Optics</i> , 2010 , 30, 188-99	4.1	5
47	Targeting human epidermal growth factor receptor 2: it is time to kill kinase death human epidermal growth factor receptor 3. <i>Journal of Clinical Oncology</i> , 2007 , 25, 2496-8; author reply 2499	2.2	5
46	Inhibition of Fatty Acid Synthase (FASN) synergistically enhances the efficacy of 5-fluorouracil in breast carcinoma cells. <i>Oncology Reports</i> , 2007 , 18, 973	3.5	5
45	The oncogene AAMDC links PI3K-AKT-mTOR signaling with metabolic reprogramming in estrogen receptor-positive breast cancer. <i>Nature Communications</i> , 2021 , 12, 1920	17.4	5
44	Ω polyunsaturated fatty acid linolenic acid (18:3n-6) enhances docetaxel (Taxotere) cytotoxicity in human breast carcinoma cells: Relationship to lipid peroxidation and HER-2/neu expression. <i>Oncology Reports</i> , 2004 , 11, 1241	3.5	4
43	Solid neuroendocrine breast carcinomas: Incidence, clinico-pathological features and immunohistochemical profiling. <i>Oncology Reports</i> , 1994 , 20, 1369	3.5	4
42	Heregulin, a new interactor of the telosome/shelterin complex in human telomeres. <i>Oncotarget</i> , 2015 , 6, 39408-21	3.3	4
41	Metformin and Breast Cancer: Where Are We Now?. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	4

40	Recommendations of the Spanish Brachytherapy Group of SEOR for HDR endoluminal treatments. Part 1: Oesophagus. <i>Clinical and Translational Oncology</i> , 2015 , 17, 581-9	3.6	3
39	Tumor Cell-Intrinsic Immunometabolism and Precision Nutrition in Cancer Immunotherapy. <i>Cancers</i> , 2020 , 12,	6.6	3
38	Assessment of extracellular matrix-related biomarkers in patients with lower extremity artery disease. <i>Journal of Vascular Surgery</i> , 2018 , 68, 1135-1142.e6	3.5	3
37	Synchronous solid neuroendocrine breast carcinoma and abdominal lymphoma: A case report and review of the literature. <i>Oncology Letters</i> , 2013 , 5, 459-462	2.6	3
36	Circulating fatty acid synthase: an exploratory biomarker to predict efficacy of the dual HER1/HER2 tyrosine kinase inhibitor lapatinib. <i>Breast Cancer Research</i> , 2011 , 13, 401	8.3	3
35	Transcriptional upregulation of HER2 expression in the absence of HER2 gene amplification results in cetuximab resistance that is reversed by trastuzumab treatment. <i>Oncology Reports</i> , 2012 , 27, 1887-92 ^{3.5}	3.5	3
34	Extra-virgin olive oil polyphenols inhibit HER2 (erbB-2)-induced malignant transformation in human breast epithelial cells: Relationship between the chemical structures of extra-virgin olive oil secoiridoids and lignans and their inhibitory activities on the tyrosine kinase activity of HER2 1992 ,		3
33	Growth and molecular interactions of the anti-EGFR antibody Cetuximab and the DNA cross-linking agent cisplatin in gefitinib-resistant MDA-MB-468 cells: New prospects in the treatment of triple-negative/basal-like breast cancer 1992 , 33, 1165		3
32	Bivalent chromatin as a therapeutic target in cancer: An in silico predictive approach for combining epigenetic drugs. <i>PLoS Computational Biology</i> , 2021 , 17, e1008408	5	3
31	Nuclear reprogramming of cancer stem cells: Corrupting the epigenetic code of cell identity with oncometabolites. <i>Molecular and Cellular Oncology</i> , 2016 , 3, e1160854	1.2	3
30	Coupling Machine Learning and Lipidomics as a Tool to Investigate Metabolic Dysfunction-Associated Fatty Liver Disease. A General Overview. <i>Biomolecules</i> , 2021 , 11,	5.9	3
29	An improved axillary staging system using the OSNA assay does not modify the therapeutic management of breast cancer patients. <i>Scientific Reports</i> , 2014 , 4, 5743	4.9	2
28	Discordant expression of molecular markers between primary and nodal metastases: a histopathological manifestation of the 'self (stem cell)-seeding' nature of breast cancer disease?. <i>Annals of Oncology</i> , 2010 , 21, 901-902	10.3	2
27	RESPONSE: Re: Effect of Linolenic Acid on the Transcriptional Activity of the Her-2/neu (erbB-2) Oncogene. <i>Journal of the National Cancer Institute</i> , 2006 , 98, 718-720	9.7	2
26	Heregulin-triggered Her-2/neu signaling enhances nuclear accumulation of p21WAF1/CIP1 and protects breast cancer cells from cisplatin-induced genotoxic damage 2005 , 26, 649		2
25	Effects of a high olive oil diet on the clinical behavior and histopathological features of rat DMBA-induced mammary tumors compared with a high corn oil diet 2002 , 21, 745		2
24	Abstract 2746: Stat3 labels a subpopulation of reactive astrocytes required for brain metastasis 2019 ,		2
23	Systemic overexpression of C-C motif chemokine ligand 2 promotes metabolic dysregulation and premature death in mice with accelerated aging. <i>Aging</i> , 2020 , 12, 20001-20023	5.6	2

22	Progesterone receptor isoform-dependent cross-talk between prolactin and fatty acid synthase in breast cancer. <i>Aging</i> , 2020 , 12, 24671-24692	5.6	2
21	Fatty acid synthase (FASN) regulates the mitochondrial priming of cancer cells. <i>Cell Death and Disease</i> , 2021 , 12, 977	9.8	2
20	clinical trials for anti-aging therapies. <i>Aging</i> , 2019 , 11, 6591-6601	5.6	2
19	Heregulin Drives Endocrine Resistance by Altering IL-8 Expression in ER-Positive Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
18	Glutaminolysis-induced mTORC1 activation drives non-alcoholic steatohepatitis progression. <i>Journal of Hepatology</i> , 2021 ,	13.4	2
17	Hyperprogression after first dose of immunotherapy in a patient with radioresistant metastasis from nonsmall cell lung cancer. <i>Anti-Cancer Drugs</i> , 2019 , 30, 1067-1070	2.4	2
16	Silibinin Suppresses Tumor Cell-Intrinsic Resistance to Nintedanib and Enhances Its Clinical Activity in Lung Cancer. <i>Cancers</i> , 2021 , 13,	6.6	2
15	Polyphenols in olive oil: the importance of phenolic compounds in the chemical composition of olive oil 2021 , 111-122		2
14	Sequence-dependent synergism and antagonism between paclitaxel and gemcitabine in breast cancer cells: The importance of scheduling 2008 ,		1
13	The estrogenic activity of synthetic progestins used in oral contraceptives enhances fatty acid synthase-dependent breast cancer cell proliferation and survival 2005 , 26, 1507		1
12	Mimetics of extra virgin olive oil phenols with anti-cancer stem cell activity. <i>Aging</i> , 2020 , 12, 21057-21075	5.6	1
11	Lung Cancer Management with Silibinin: A Historical and Translational Perspective. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	1
10	Metformin: Targeting the Metabolo-Epigenetic Link in Cancer Biology. <i>Frontiers in Oncology</i> , 2020 , 10, 620641	5.3	1
9	Clinical Management of COVID-19 in Cancer Patients with the STAT3 Inhibitor Silibinin.. <i>Pharmaceuticals</i> , 2021 , 15,	5.2	1
8	Histamine signaling and metabolism identify potential biomarkers and therapies for lymphangiomyomatosis. <i>EMBO Molecular Medicine</i> , 2021 , 13, e13929	12	0
7	Fatty acid synthase: a druggable driver of breast cancer brain metastasis.. <i>Expert Opinion on Therapeutic Targets</i> , 2022 , 1-18	6.4	0
6	Metformin: a pharmacological approach integrating hyperinsulinemia breast cancer at the molecular, cellular clinical levels. <i>Avances En Diabetologia</i> , 2010 , 26, 79-94		
5	An easy, rapid and objective mathematical method to identify fatty acid synthase (oncogenic antigen-519) modulators with potential anticancer value. <i>Clinical and Translational Oncology</i> , 2008 , 10, 219-26	3.6	

- 4 Testing the efficacy of antiangiogenic agents in advanced neuroendocrine tumors. *Journal of Clinical Oncology*, **2007**, 25, 2624; author reply 2624-5 2.2
- 3 DNA topoisomerase II(TOP2A) inhibitors up-regulate fatty acid synthase gene expression in SK-Br3 breast cancer cells: In vitro evidence for a functional amplicon involving FAS, Her-2/neu and TOP2A genes. *International Journal of Molecular Medicine*, **2006**, 18, 1081 4.4
- 2 Growth and molecular interactions between tamoxifen and trastuzumab. *Clinical Cancer Research*, **2005**, 11, 3597; author reply 3597-9 12.9
- 1 Depletion of CCN1/CYR61 reduces triple-negative/basal-like breast cancer aggressiveness.. *American Journal of Cancer Research*, **2022**, 12, 839-851 4.4