

Federica Sotgia

List of Publications by Citations

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210
papers

25,265
citations

82
h-index

156
g-index

214
ext. papers

28,553
ext. citations

5.8
avg, IF

6.73
L-index

#	Paper	IF	Citations
210	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
209	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544	10.2	2783
208	The reverse Warburg effect: aerobic glycolysis in cancer associated fibroblasts and the tumor stroma. <i>Cell Cycle</i> , 2009 , 8, 3984-4001	4.7	890
207	Cancer metabolism: a therapeutic perspective. <i>Nature Reviews Clinical Oncology</i> , 2017 , 14, 11-31	19.4	659
206	Mutations in the caveolin-3 gene cause autosomal dominant limb-girdle muscular dystrophy. <i>Nature Genetics</i> , 1998 , 18, 365-8	36.3	493
205	Ketones and lactate "fuel" tumor growth and metastasis: Evidence that epithelial cancer cells use oxidative mitochondrial metabolism. <i>Cell Cycle</i> , 2010 , 9, 3506-14	4.7	429
204	Oxidative stress in cancer associated fibroblasts drives tumor-stroma co-evolution: A new paradigm for understanding tumor metabolism, the field effect and genomic instability in cancer cells. <i>Cell Cycle</i> , 2010 , 9, 3256-76	4.7	341
203	Autophagy in cancer associated fibroblasts promotes tumor cell survival: Role of hypoxia, HIF1 induction and NFB activation in the tumor stromal microenvironment. <i>Cell Cycle</i> , 2010 , 9, 3515-33	4.7	321
202	Evidence for a stromal-epithelial "lactate shuttle" in human tumors: MCT4 is a marker of oxidative stress in cancer-associated fibroblasts. <i>Cell Cycle</i> , 2011 , 10, 1772-83	4.7	310
201	Antibiotics that target mitochondria effectively eradicate cancer stem cells, across multiple tumor types: treating cancer like an infectious disease. <i>Oncotarget</i> , 2015 , 6, 4569-84	3.3	309
200	Cancer stem cell metabolism. <i>Breast Cancer Research</i> , 2016 , 18, 55	8.3	261
199	Catabolic cancer-associated fibroblasts transfer energy and biomass to anabolic cancer cells, fueling tumor growth. <i>Seminars in Cancer Biology</i> , 2014 , 25, 47-60	12.7	252
198	An absence of stromal caveolin-1 expression predicts early tumor recurrence and poor clinical outcome in human breast cancers. <i>American Journal of Pathology</i> , 2009 , 174, 2023-34	5.8	252
197	Ketones and lactate increase cancer cell "stemness," driving recurrence, metastasis and poor clinical outcome in breast cancer: achieving personalized medicine via Metabolo-Genomics. <i>Cell Cycle</i> , 2011 , 10, 1271-86	4.7	229
196	Warburg meets autophagy: cancer-associated fibroblasts accelerate tumor growth and metastasis via oxidative stress, mitophagy, and aerobic glycolysis. <i>Antioxidants and Redox Signaling</i> , 2012 , 16, 1264-84	8.4	222
195	Caveolin-1 and cancer metabolism in the tumor microenvironment: markers, models, and mechanisms. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2012 , 7, 423-67	34	216
194	Hyperactivation of oxidative mitochondrial metabolism in epithelial cancer cells in situ: visualizing the therapeutic effects of metformin in tumor tissue. <i>Cell Cycle</i> , 2011 , 10, 4047-64	4.7	216

193	The autophagic tumor stroma model of cancer: Role of oxidative stress and ketone production in fueling tumor cell metabolism. <i>Cell Cycle</i> , 2010 , 9, 3485-505	4.7	215
192	Tumor cells induce the cancer associated fibroblast phenotype via caveolin-1 degradation: implications for breast cancer and DCIS therapy with autophagy inhibitors. <i>Cell Cycle</i> , 2010 , 9, 2423-33	4.7	208
191	Role of cholesterol in the development and progression of breast cancer. <i>American Journal of Pathology</i> , 2011 , 178, 402-12	5.8	202
190	Metabolic reprogramming of cancer-associated fibroblasts by TGF- β drives tumor growth: connecting TGF- β signaling with "Warburg-like" cancer metabolism and L-lactate production. <i>Cell Cycle</i> , 2012 , 11, 3019-35	4.7	194
189	Cancer cells metabolically "fertilize" the tumor microenvironment with hydrogen peroxide, driving the Warburg effect: implications for PET imaging of human tumors. <i>Cell Cycle</i> , 2011 , 10, 2504-20	4.7	193
188	Using the "reverse Warburg effect" to identify high-risk breast cancer patients: stromal MCT4 predicts poor clinical outcome in triple-negative breast cancers. <i>Cell Cycle</i> , 2012 , 11, 1108-17	4.7	191
187	Stromal-epithelial metabolic coupling in cancer: integrating autophagy and metabolism in the tumor microenvironment. <i>International Journal of Biochemistry and Cell Biology</i> , 2011 , 43, 1045-51	5.6	189
186	Loss of stromal caveolin-1 leads to oxidative stress, mimics hypoxia and drives inflammation in the tumor microenvironment, conferring the "reverse Warburg effect": a transcriptional informatics analysis with validation. <i>Cell Cycle</i> , 2010 , 9, 2201-19	4.7	188
185	Autophagy and senescence in cancer-associated fibroblasts metabolically supports tumor growth and metastasis via glycolysis and ketone production. <i>Cell Cycle</i> , 2012 , 11, 2285-302	4.7	179
184	Mitochondrial biogenesis is required for the anchorage-independent survival and propagation of stem-like cancer cells. <i>Oncotarget</i> , 2015 , 6, 14777-95	3.3	175
183	HIF1-alpha functions as a tumor promoter in cancer associated fibroblasts, and as a tumor suppressor in breast cancer cells: Autophagy drives compartment-specific oncogenesis. <i>Cell Cycle</i> , 2010 , 9, 3534-51	4.7	168
182	The reverse Warburg effect: glycolysis inhibitors prevent the tumor promoting effects of caveolin-1 deficient cancer associated fibroblasts. <i>Cell Cycle</i> , 2010 , 9, 1960-71	4.7	167
181	Hydrogen peroxide fuels aging, inflammation, cancer metabolism and metastasis: the seed and soil also needs "fertilizer". <i>Cell Cycle</i> , 2011 , 10, 2440-9	4.7	165
180	Cancer metabolism, stemness and tumor recurrence: MCT1 and MCT4 are functional biomarkers of metabolic symbiosis in head and neck cancer. <i>Cell Cycle</i> , 2013 , 12, 1371-84	4.7	159
179	Molecular genetics of the caveolin gene family: implications for human cancers, diabetes, Alzheimer disease, and muscular dystrophy. <i>American Journal of Human Genetics</i> , 1998 , 63, 1578-87	11	159
178	Understanding the "lethal" drivers of tumor-stroma co-evolution: emerging role(s) for hypoxia, oxidative stress and autophagy/mitophagy in the tumor micro-environment. <i>Cancer Biology and Therapy</i> , 2010 , 10, 537-42	4.6	155
177	Caveolinopathies: from the biology of caveolin-3 to human diseases. <i>European Journal of Human Genetics</i> , 2010 , 18, 137-45	5.3	151
176	Graphene oxide selectively targets cancer stem cells, across multiple tumor types: implications for non-toxic cancer treatment, via "differentiation-based nano-therapy". <i>Oncotarget</i> , 2015 , 6, 3553-62	3.3	150

175	Caveolin-3 directly interacts with the C-terminal tail of beta -dystroglycan. Identification of a central WW-like domain within caveolin family members. <i>Journal of Biological Chemistry</i> , 2000 , 275, 38048-58	5.4	149
174	CDK inhibitors (p16/p19/p21) induce senescence and autophagy in cancer-associated fibroblasts, "fueling" tumor growth via paracrine interactions, without an increase in neo-angiogenesis. <i>Cell Cycle</i> , 2012 , 11, 3599-610	4.7	147
173	Mitochondria as new therapeutic targets for eradicating cancer stem cells: Quantitative proteomics and functional validation via MCT1/2 inhibition. <i>Oncotarget</i> , 2014 , 5, 11029-37	3.3	142
172	Tumor microenvironment and metabolic synergy in breast cancers: critical importance of mitochondrial fuels and function. <i>Seminars in Oncology</i> , 2014 , 41, 195-216	5.5	141
171	Mitochondrial metabolism in cancer metastasis: visualizing tumor cell mitochondria and the "reverse Warburg effect" in positive lymph node tissue. <i>Cell Cycle</i> , 2012 , 11, 1445-54	4.7	139
170	Decreased expression of caveolin 1 in patients with systemic sclerosis: crucial role in the pathogenesis of tissue fibrosis. <i>Arthritis and Rheumatism</i> , 2008 , 58, 2854-65		137
169	Absence of caveolin-1 sensitizes mouse skin to carcinogen-induced epidermal hyperplasia and tumor formation. <i>American Journal of Pathology</i> , 2003 , 162, 2029-39	5.8	137
168	Understanding the Warburg effect and the prognostic value of stromal caveolin-1 as a marker of a lethal tumor microenvironment. <i>Breast Cancer Research</i> , 2011 , 13, 213	8.3	136
167	Caveolae and signalling in cancer. <i>Nature Reviews Cancer</i> , 2015 , 15, 225-37	31.3	135
166	Cancer stem cells (CSCs): metabolic strategies for their identification and eradication. <i>Biochemical Journal</i> , 2018 , 475, 1611-1634	3.8	135
165	Anti-estrogen resistance in breast cancer is induced by the tumor microenvironment and can be overcome by inhibiting mitochondrial function in epithelial cancer cells. <i>Cancer Biology and Therapy</i> , 2011 , 12, 924-38	4.6	134
164	The autophagic tumor stroma model of cancer or "battery-operated tumor growth": A simple solution to the autophagy paradox. <i>Cell Cycle</i> , 2010 , 9, 4297-306	4.7	134
163	High mitochondrial mass identifies a sub-population of stem-like cancer cells that are chemo-resistant. <i>Oncotarget</i> , 2015 , 6, 30472-86	3.3	131
162	Energy transfer in "parasitic" cancer metabolism: mitochondria are the powerhouse and AchillesR heel of tumor cells. <i>Cell Cycle</i> , 2011 , 10, 4208-16	4.7	129
161	Repurposing atovaquone: targeting mitochondrial complex III and OXPHOS to eradicate cancer stem cells. <i>Oncotarget</i> , 2016 , 7, 34084-99	3.3	127
160	An absence of stromal caveolin-1 is associated with advanced prostate cancer, metastatic disease and epithelial Akt activation. <i>Cell Cycle</i> , 2009 , 8, 2420-4	4.7	123
159	COVID-19 and chronological aging: senolytics and other anti-aging drugs for the treatment or prevention of corona virus infection?. <i>Aging</i> , 2020 , 12, 6511-6517	5.6	123
158	Human breast cancer-associated fibroblasts (CAFs) show caveolin-1 downregulation and RB tumor suppressor functional inactivation: Implications for the response to hormonal therapy. <i>Cancer Biology and Therapy</i> , 2008 , 7, 1212-25	4.6	122

157	Mitochondria "fuel" breast cancer metabolism: fifteen markers of mitochondrial biogenesis label epithelial cancer cells, but are excluded from adjacent stromal cells. <i>Cell Cycle</i> , 2012 , 11, 4390-401	4.7	118
156	Glutamine fuels a vicious cycle of autophagy in the tumor stroma and oxidative mitochondrial metabolism in epithelial cancer cells: implications for preventing chemotherapy resistance. <i>Cancer Biology and Therapy</i> , 2011 , 12, 1085-97	4.6	118
155	Transcriptional evidence for the "Reverse Warburg Effect" in human breast cancer tumor stroma and metastasis: similarities with oxidative stress, inflammation, Alzheimer's disease, and "Neuron-Glia Metabolic Coupling". <i>Aging</i> , 2010 , 2, 185-99	5.6	116
154	Power surge: supporting cells "fuel" cancer cell mitochondria. <i>Cell Metabolism</i> , 2012 , 15, 4-5	24.6	115
153	Ketone body utilization drives tumor growth and metastasis. <i>Cell Cycle</i> , 2012 , 11, 3964-71	4.7	113
152	Glycolytic cancer associated fibroblasts promote breast cancer tumor growth, without a measurable increase in angiogenesis: evidence for stromal-epithelial metabolic coupling. <i>Cell Cycle</i> , 2010 , 9, 2412-22	4.7	112
151	Stromal caveolin-1 levels predict early DCIS progression to invasive breast cancer. <i>Cancer Biology and Therapy</i> , 2009 , 8, 1071-9	4.6	110
150	Mitochondrial oxidative stress drives tumor progression and metastasis: should we use antioxidants as a key component of cancer treatment and prevention?. <i>BMC Medicine</i> , 2011 , 9, 62	11.4	109
149	Loss of stromal caveolin-1 expression predicts poor clinical outcome in triple negative and basal-like breast cancers. <i>Cancer Biology and Therapy</i> , 2010 , 10, 135-43	4.6	106
148	Proteasome inhibitor (MG-132) treatment of mdx mice rescues the expression and membrane localization of dystrophin and dystrophin-associated proteins. <i>American Journal of Pathology</i> , 2003 , 163, 1663-75	5.8	104
147	Impairment of caveolae formation and T-system disorganization in human muscular dystrophy with caveolin-3 deficiency. <i>American Journal of Pathology</i> , 2002 , 160, 265-70	5.8	104
146	Cytokine production and inflammation drive autophagy in the tumor microenvironment: role of stromal caveolin-1 as a key regulator. <i>Cell Cycle</i> , 2011 , 10, 1784-93	4.7	103
145	Caveolin-1 ^{-/-} null mammary stromal fibroblasts share characteristics with human breast cancer-associated fibroblasts. <i>American Journal of Pathology</i> , 2009 , 174, 746-61	5.8	101
144	Caveolin-1 and mitochondrial SOD2 (MnSOD) function as tumor suppressors in the stromal microenvironment: a new genetically tractable model for human cancer associated fibroblasts. <i>Cancer Biology and Therapy</i> , 2011 , 11, 383-94	4.6	100
143	Mitochondrial oxidative stress in cancer-associated fibroblasts drives lactate production, promoting breast cancer tumor growth: understanding the aging and cancer connection. <i>Cell Cycle</i> , 2011 , 10, 4065-73	4.7	96
142	CTGF drives autophagy, glycolysis and senescence in cancer-associated fibroblasts via HIF1 activation, metabolically promoting tumor growth. <i>Cell Cycle</i> , 2012 , 11, 2272-84	4.7	96
141	Two-compartment tumor metabolism: autophagy in the tumor microenvironment and oxidative mitochondrial metabolism (OXPHOS) in cancer cells. <i>Cell Cycle</i> , 2012 , 11, 2545-56	4.7	95
140	Caveolin-1 and accelerated host aging in the breast tumor microenvironment: chemoprevention with rapamycin, an mTOR inhibitor and anti-aging drug. <i>American Journal of Pathology</i> , 2012 , 181, 278-93	5.8	90

139	Oncogenes induce the cancer-associated fibroblast phenotype: metabolic symbiosis and "fibroblast addiction" are new therapeutic targets for drug discovery. <i>Cell Cycle</i> , 2013 , 12, 2723-32	4.7	90
138	ATR/TEM8 is highly expressed in epithelial cells lining Bacillus anthracisRthree sites of entry: implications for the pathogenesis of anthrax infection. <i>American Journal of Physiology - Cell Physiology</i> , 2005 , 288, C1402-10	5.4	90
137	Mitochondrial fission induces glycolytic reprogramming in cancer-associated myofibroblasts, driving stromal lactate production, and early tumor growth. <i>Oncotarget</i> , 2012 , 3, 798-810	3.3	90
136	Ketone bodies and two-compartment tumor metabolism: stromal ketone production fuels mitochondrial biogenesis in epithelial cancer cells. <i>Cell Cycle</i> , 2012 , 11, 3956-63	4.7	89
135	Mitochondrial biogenesis in epithelial cancer cells promotes breast cancer tumor growth and confers autophagy resistance. <i>Cell Cycle</i> , 2012 , 11, 4174-80	4.7	88
134	Caveolin-1 mutations in human breast cancer: functional association with estrogen receptor alpha-positive status. <i>American Journal of Pathology</i> , 2006 , 168, 1998-2013	5.8	85
133	Increased number of caveolae and caveolin-3 overexpression in Duchenne muscular dystrophy. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 261, 547-50	3.4	85
132	Mitochondrial mass, a new metabolic biomarker for stem-like cancer cells: Understanding WNT/FGF-driven anabolic signaling. <i>Oncotarget</i> , 2015 , 6, 30453-71	3.3	84
131	Understanding the metabolic basis of drug resistance: therapeutic induction of the Warburg effect kills cancer cells. <i>Cell Cycle</i> , 2011 , 10, 2521-8	4.7	83
130	Bedaquiline, an FDA-approved antibiotic, inhibits mitochondrial function and potently blocks the proliferative expansion of stem-like cancer cells (CSCs). <i>Aging</i> , 2016 , 8, 1593-607	5.6	83
129	Tyrosine phosphorylation of beta-dystroglycan at its WW domain binding motif, PPxY, recruits SH2 domain containing proteins. <i>Biochemistry</i> , 2001 , 40, 14585-92	3.2	82
128	Pyruvate kinase expression (PKM1 and PKM2) in cancer-associated fibroblasts drives stromal nutrient production and tumor growth. <i>Cancer Biology and Therapy</i> , 2011 , 12, 1101-13	4.6	80
127	Intracellular retention of glycosylphosphatidyl inositol-linked proteins in caveolin-deficient cells. <i>Molecular and Cellular Biology</i> , 2002 , 22, 3905-26	4.8	80
126	Doxycycline down-regulates DNA-PK and radiosensitizes tumor initiating cells: Implications for more effective radiation therapy. <i>Oncotarget</i> , 2015 , 6, 14005-25	3.3	76
125	Molecular profiling of a lethal tumor microenvironment, as defined by stromal caveolin-1 status in breast cancers. <i>Cell Cycle</i> , 2011 , 10, 1794-809	4.7	74
124	Stromal and epithelial caveolin-1 both confer a protective effect against mammary hyperplasia and tumorigenesis: Caveolin-1 antagonizes cyclin D1 function in mammary epithelial cells. <i>American Journal of Pathology</i> , 2006 , 169, 1784-801	5.8	73
123	Deficiency of hyccin, a newly identified membrane protein, causes hypomyelination and congenital cataract. <i>Nature Genetics</i> , 2006 , 38, 1111-3	36.3	73
122	Doxycycline, an Inhibitor of Mitochondrial Biogenesis, Effectively Reduces Cancer Stem Cells (CSCs) in Early Breast Cancer Patients: A Clinical Pilot Study. <i>Frontiers in Oncology</i> , 2018 , 8, 452	5.3	71

121	Caveolin-1 interacts with a lipid raft-associated population of fatty acid synthase. <i>Cell Cycle</i> , 2008 , 7, 2257-67	4.7	69
120	Chemotherapy induces the cancer-associated fibroblast phenotype, activating paracrine Hedgehog-Gli signalling in breast cancer cells. <i>Oncotarget</i> , 2015 , 6, 10728-45	3.3	68
119	Clinical and translational implications of the caveolin gene family: lessons from mouse models and human genetic disorders. <i>Laboratory Investigation</i> , 2009 , 89, 614-23	5.9	67
118	Metabolic reprogramming and two-compartment tumor metabolism: opposing role(s) of HIF1 α and HIF2 α in tumor-associated fibroblasts and human breast cancer cells. <i>Cell Cycle</i> , 2012 , 11, 3280-9	4.7	67
117	Caloric restriction augments radiation efficacy in breast cancer. <i>Cell Cycle</i> , 2013 , 12, 1955-63	4.7	65
116	Oncogenes and inflammation rewire host energy metabolism in the tumor microenvironment: RAS and NF κ B target stromal MCT4. <i>Cell Cycle</i> , 2013 , 12, 2580-97	4.7	65
115	Loss of stromal caveolin-1 expression in malignant melanoma metastases predicts poor survival. <i>Cell Cycle</i> , 2011 , 10, 4250-5	4.7	65
114	Metastasis and Oxidative Stress: Are Antioxidants a Metabolic Driver of Progression?. <i>Cell Metabolism</i> , 2015 , 22, 956-8	24.6	64
113	Mitochondrial dysfunction in breast cancer cells prevents tumor growth: understanding chemoprevention with metformin. <i>Cell Cycle</i> , 2013 , 12, 172-82	4.7	64
112	BRCA1 mutations drive oxidative stress and glycolysis in the tumor microenvironment: implications for breast cancer prevention with antioxidant therapies. <i>Cell Cycle</i> , 2012 , 11, 4402-13	4.7	64
111	Caveolin-1-deficient mice have an increased mammary stem cell population with upregulation of Wnt/beta-catenin signaling. <i>Cell Cycle</i> , 2005 , 4, 1808-16	4.7	64
110	Localized treatment with a novel FDA-approved proteasome inhibitor blocks the degradation of dystrophin and dystrophin-associated proteins in mdx mice. <i>Cell Cycle</i> , 2007 , 6, 1242-8	4.7	63
109	Therapeutic potential of proteasome inhibition in Duchenne and Becker muscular dystrophies. <i>American Journal of Pathology</i> , 2010 , 176, 1863-77	5.8	62
108	Caveolin-1 (P132L), a common breast cancer mutation, confers mammary cell invasiveness and defines a novel stem cell/metastasis-associated gene signature. <i>American Journal of Pathology</i> , 2009 , 174, 1650-62	5.8	62
107	Caveolin-1 deficiency (-/-) conveys premalignant alterations in mammary epithelia, with abnormal lumen formation, growth factor independence, and cell invasiveness. <i>American Journal of Pathology</i> , 2006 , 168, 292-309	5.8	62
106	Loss of caveolin-1 causes the hyper-proliferation of intestinal crypt stem cells, with increased sensitivity to whole body gamma-radiation. <i>Cell Cycle</i> , 2005 , 4, 1817-25	4.7	62
105	Accelerated aging in the tumor microenvironment: connecting aging, inflammation and cancer metabolism with personalized medicine. <i>Cell Cycle</i> , 2011 , 10, 2059-63	4.7	56
104	CAV1 inhibits metastatic potential in melanomas through suppression of the integrin/Src/FAK signaling pathway. <i>Cancer Research</i> , 2010 , 70, 7489-99	10.1	55

103	Matrix remodeling stimulates stromal autophagy, "fueling" cancer cell mitochondrial metabolism and metastasis. <i>Cell Cycle</i> , 2011 , 10, 2021-34	4-7	55
102	Is cancer a metabolic rebellion against host aging? In the quest for immortality, tumor cells try to save themselves by boosting mitochondrial metabolism. <i>Cell Cycle</i> , 2012 , 11, 253-63	4-7	55
101	Vitamin C and Doxycycline: A synthetic lethal combination therapy targeting metabolic flexibility in cancer stem cells (CSCs). <i>Oncotarget</i> , 2017 , 8, 67269-67286	3-3	54
100	Caveolin-1(-/-)- and caveolin-2(-/-)-deficient mice both display numerous skeletal muscle abnormalities, with tubular aggregate formation. <i>American Journal of Pathology</i> , 2007 , 170, 316-33	5-8	54
99	Scleroderma-like properties of skin from caveolin-1-deficient mice: implications for new treatment strategies in patients with fibrosis and systemic sclerosis. <i>Cell Cycle</i> , 2011 , 10, 2140-50	4-7	53
98	Caveolin-1, mammary stem cells, and estrogen-dependent breast cancers. <i>Cancer Research</i> , 2006 , 66, 10647-51	10-1	53
97	Pharmacological rescue of the dystrophin-glycoprotein complex in Duchenne and Becker skeletal muscle explants by proteasome inhibitor treatment. <i>American Journal of Physiology - Cell Physiology</i> , 2006 , 290, C577-82	5-4	53
96	Mitochondrial fission as a driver of stemness in tumor cells: mDIV1 inhibits mitochondrial function, cell migration and cancer stem cell (CSC) signalling. <i>Oncotarget</i> , 2018 , 9, 13254-13275	3-3	53
95	Azithromycin and Roxithromycin define a new family of "senolytic" drugs that target senescent human fibroblasts. <i>Aging</i> , 2018 , 10, 3294-3307	5-6	53
94	Estrogen receptor beta (ER β) produces autophagy and necroptosis in human seminoma cell line through the binding of the Sp1 on the phosphatase and tensin homolog deleted from chromosome 10 (PTEN) promoter gene. <i>Cell Cycle</i> , 2012 , 11, 2911-21	4-7	52
93	Muscle-specific interaction of caveolin isoforms: differential complex formation between caveolins in fibroblastic vs. muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2005 , 288, C677-91	5-4	52
92	Towards a new "stromal-based" classification system for human breast cancer prognosis and therapy. <i>Cell Cycle</i> , 2009 , 8, 1654-8	4-7	51
91	Impaired phagocytosis in caveolin-1 deficient macrophages. <i>Cell Cycle</i> , 2005 , 4, 1599-607	4-7	51
90	Genetic ablation of caveolin-1 drives estrogen-hypersensitivity and the development of DCIS-like mammary lesions. <i>American Journal of Pathology</i> , 2009 , 174, 1172-90	5-8	49
89	Mitochondrial biogenesis drives tumor cell proliferation. <i>American Journal of Pathology</i> , 2011 , 178, 1949-52	5-2	48
88	Targeting tumor-initiating cells: eliminating anabolic cancer stem cells with inhibitors of protein synthesis or by mimicking caloric restriction. <i>Oncotarget</i> , 2015 , 6, 4585-601	3-3	46
87	Bergamot natural products eradicate cancer stem cells (CSCs) by targeting mevalonate, Rho-GDI-signalling and mitochondrial metabolism. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018 , 1859, 984-996	4-6	45
86	Mitochondrial markers predict recurrence, metastasis and tamoxifen-resistance in breast cancer patients: Early detection of treatment failure with companion diagnostics. <i>Oncotarget</i> , 2017 , 8, 68730-68745	3-3	44

85	Caveolin-1 promotes pancreatic cancer cell differentiation and restores membranous E-cadherin via suppression of the epithelial-mesenchymal transition. <i>Cell Cycle</i> , 2011 , 10, 3692-700	4.7	44
84	Mitochondrial "power" drives tamoxifen resistance: NQO1 and GCLC are new therapeutic targets in breast cancer. <i>Oncotarget</i> , 2017 , 8, 20309-20327	3.3	43
83	Localization of phospho-beta-dystroglycan (pY892) to an intracellular vesicular compartment in cultured cells and skeletal muscle fibers in vivo. <i>Biochemistry</i> , 2003 , 42, 7110-23	3.2	43
82	GPER mediates the angiocrine actions induced by IGF1 through the HIF-1/VEGF pathway in the breast tumor microenvironment. <i>Breast Cancer Research</i> , 2017 , 19, 129	8.3	42
81	JNK1 stress signaling is hyper-activated in high breast density and the tumor stroma: connecting fibrosis, inflammation, and stemness for cancer prevention. <i>Cell Cycle</i> , 2014 , 13, 580-99	4.7	42
80	Cigarette smoke metabolically promotes cancer, via autophagy and premature aging in the host stromal microenvironment. <i>Cell Cycle</i> , 2013 , 12, 818-25	4.7	42
79	Caveolin-1 is a negative regulator of tumor growth in glioblastoma and modulates chemosensitivity to temozolomide. <i>Cell Cycle</i> , 2013 , 12, 1510-20	4.7	41
78	Hereditary ovarian cancer and two-compartment tumor metabolism: epithelial loss of BRCA1 induces hydrogen peroxide production, driving oxidative stress and NFB activation in the tumor stroma. <i>Cell Cycle</i> , 2012 , 11, 4152-66	4.7	41
77	Caveolin-1 is required for the upregulation of fatty acid synthase (FASN), a tumor promoter, during prostate cancer progression. <i>Cancer Biology and Therapy</i> , 2007 , 6, 1263-8	4.6	40
76	Cancer metabolism: new validated targets for drug discovery. <i>Oncotarget</i> , 2013 , 4, 1309-16	3.3	40
75	Targeting hypoxic cancer stem cells (CSCs) with Doxycycline: Implications for optimizing anti-angiogenic therapy. <i>Oncotarget</i> , 2017 , 8, 56126-56142	3.3	39
74	Ethanol exposure induces the cancer-associated fibroblast phenotype and lethal tumor metabolism: implications for breast cancer prevention. <i>Cell Cycle</i> , 2013 , 12, 289-301	4.7	39
73	A novel role for caveolin-1 in B lymphocyte function and the development of thymus-independent immune responses. <i>Cell Cycle</i> , 2006 , 5, 1865-71	4.7	39
72	"Energetic" Cancer Stem Cells (e-CSCs): A New Hyper-Metabolic and Proliferative Tumor Cell Phenotype, Driven by Mitochondrial Energy. <i>Frontiers in Oncology</i> , 2018 , 8, 677	5.3	37
71	Metabolic remodeling of the tumor microenvironment: migration stimulating factor (MSF) reprograms myofibroblasts toward lactate production, fueling anabolic tumor growth. <i>Cell Cycle</i> , 2012 , 11, 3403-14	4.7	37
70	Phenotypic characterization of hypomyelination and congenital cataract. <i>Annals of Neurology</i> , 2007 , 62, 121-7	9.4	37
69	Metabolic reprogramming of bone marrow stromal cells by leukemic extracellular vesicles in acute lymphoblastic leukemia. <i>Blood</i> , 2016 , 128, 453-6	2.2	37
68	Doxycycline, Azithromycin and Vitamin C (DAV): A potent combination therapy for targeting mitochondria and eradicating cancer stem cells (CSCs). <i>Aging</i> , 2019 , 11, 2202-2216	5.6	36

67	Identification of phosphocaveolin-1 as a novel protein tyrosine phosphatase 1B substrate. <i>Biochemistry</i> , 2006 , 45, 234-40	3.2	36
66	A mitochondrial based oncology platform for targeting cancer stem cells (CSCs): MITO-ONC-RX. <i>Cell Cycle</i> , 2018 , 17, 2091-2100	4.7	36
65	Targeting cancer stem cell propagation with palbociclib, a CDK4/6 inhibitor: Telomerase drives tumor cell heterogeneity. <i>Oncotarget</i> , 2017 , 8, 9868-9884	3.3	35
64	Reverse Warburg effect in a patient with aggressive B-cell lymphoma: is lactic acidosis a paraneoplastic syndrome?. <i>Seminars in Oncology</i> , 2013 , 40, 403-18	5.5	35
63	Nutrient restriction and radiation therapy for cancer treatment: when less is more. <i>Oncologist</i> , 2013 , 18, 97-103	5.7	35
62	SOCS proteins and caveolin-1 as negative regulators of endocrine signaling. <i>Trends in Endocrinology and Metabolism</i> , 2006 , 17, 150-8	8.8	35
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