Michael P Lisanti

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514 papers	64,032 citations	133 h-index	233 g-index
523 ext. papers	69,507 ext. citations	5.9 avg, IF	7.52 L-index

#	Paper	IF	Citations
514	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
513	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
512	Caveolins, a family of scaffolding proteins for organizing "preassembled signaling complexes" at the plasma membrane. *Journal of Biological Chemistry*, **1998**, 273, 5419-22	5.4	1213
511	Caveolins, liquid-ordered domains, and signal transduction. *Molecular and Cellular Biology*, **1999**, 19, 7289-304	4.7	913
510	The reverse Warburg effect: aerobic glycolysis in cancer associated fibroblasts and the tumor stroma. *Cell Cycle*, **2009**, 8, 3984-4001	4.7	890
509	Co-purification and direct interaction of Ras with caveolin, an integral membrane protein of caveolae microdomains. Detergent-free purification of caveolae microdomains. *Journal of Biological Chemistry*, **1996**, 271, 9690-7	5.4	853
508	Caveolin-1 null mice are viable but show evidence of hyperproliferative and vascular abnormalities. *Journal of Biological Chemistry*, **2001**, 276, 38121-38	5.4	831
507	Caveolae: from cell biology to animal physiology. *Pharmacological Reviews*, **2002**, 54, 431-67	22.5	758
506	Role of caveolae and caveolins in health and disease. *Physiological Reviews*, **2004**, 84, 1341-79	47.9	693
505	Identification of peptide and protein ligands for the caveolin-scaffolding domain. Implications for the interaction of caveolin with caveolae-associated proteins. *Journal of Biological Chemistry*, **1997**, 272, 6525-33	5.4	688
504	Cancer metabolism: a therapeutic perspective. *Nature Reviews Clinical Oncology*, **2017**, 14, 11-31	19.4	659
503	Dissecting the interaction between nitric oxide synthase (NOS) and caveolin. Functional significance of the nos caveolin binding domain in vivo. *Journal of Biological Chemistry*, **1997**, 272, 25437-40	5.4	639
502	Src tyrosine kinases, Galpha subunits, and H-Ras share a common membrane-anchored scaffolding protein, caveolin. Caveolin binding negatively regulates the auto-activation of Src tyrosine kinases. *Journal of Biological Chemistry*, **1996**, 271, 29182-90	5.4	625
501	Caveolae, caveolin and caveolin-rich membrane domains: a signalling hypothesis. *Trends in Cell Biology*, **1994**, 4, 231-5	18.3	589
500	Molecular cloning of caveolin-3, a novel member of the caveolin gene family expressed predominantly in muscle. *Journal of Biological Chemistry*, **1996**, 271, 2255-61	5.4	550
499	Expression of caveolin-3 in skeletal, cardiac, and smooth muscle cells. Caveolin-3 is a component of the sarcolemma and co-fractionates with dystrophin and dystrophin-associated glycoproteins. *Journal of Biological Chemistry*, **1996**, 271, 15160-5	5.4	538
498	Caveolin-1 regulates transforming growth factor (TGF)-beta/SMAD signaling through an interaction with the TGF-beta type I receptor. *Journal of Biological Chemistry*, **2001**, 276, 6727-38	5.4	522

497	Emerging themes in lipid rafts and caveolae. *Cell*, **2001**, 106, 403-11	56.2	522
496	Interaction of a receptor tyrosine kinase, EGF-R, with caveolins. Caveolin binding negatively regulates tyrosine and serine/threonine kinase activities. *Journal of Biological Chemistry*, **1997**, 272, 30429-38	5.4	520
495	Evidence for a regulated interaction between heterotrimeric G proteins and caveolin. *Journal of Biological Chemistry*, **1995**, 270, 15693-701	5.4	500
494	Mutations in the caveolin-3 gene cause autosomal dominant limb-girdle muscular dystrophy. *Nature Genetics*, **1998**, 18, 365-8	36.3	493
493	Flotillin and epidermal surface antigen define a new family of caveolae-associated integral membrane proteins. *Journal of Biological Chemistry*, **1997**, 272, 13793-802	5.4	462
492	ESPEN expert group recommendations for action against cancer-related malnutrition. *Clinical Nutrition*, **2017**, 36, 1187-1196	5.9	439
491	Caveolin-1-deficient mice are lean, resistant to diet-induced obesity, and show hypertriglyceridemia with adipocyte abnormalities. *Journal of Biological Chemistry*, **2002**, 277, 8635-47	5.4	439
490	Ketones and lactate "fuel" tumor growth and metastasis: Evidence that epithelial cancer cells use oxidative mitochondrial metabolism. *Cell Cycle*, **2010**, 9, 3506-14	4.7	429
489	Cell-type and tissue-specific expression of caveolin-2. Caveolins 1 and 2 co-localize and form a stable hetero-oligomeric complex in vivo. *Journal of Biological Chemistry*, **1997**, 272, 29337-46	5.4	422
488	Differential targeting of beta -adrenergic receptor subtypes and adenylyl cyclase to cardiomyocyte caveolae. A mechanism to functionally regulate the cAMP signaling pathway. *Journal of Biological Chemistry*, **2000**, 275, 41447-57	5.4	422
487	Caveolin-1 in oncogenic transformation, cancer, and metastasis. *American Journal of Physiology - Cell Physiology*, **2005**, 288, C494-506	5.4	415
486	Cancer stem cells. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 2144-51	5.6	349
485	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. *Cell Cycle*, **2010**, 9, 3256-76	4.7	341
484	Caveolin-3 null mice show a loss of caveolae, changes in the microdomain distribution of the dystrophin-glycoprotein complex, and t-tubule abnormalities. *Journal of Biological Chemistry*, **2001**, 276, 21425-33	5.4	336
483	The caveolin proteins. *Genome Biology*, **2004**, 5, 214	18.3	335
482	Autophagy in cancer associated fibroblasts promotes tumor cell survival: Role of hypoxia, HIF1 induction and NFB activation in the tumor stromal microenvironment. *Cell Cycle*, **2010**, 9, 3515-33	4.7	321
481	Caveolin-mediated regulation of signaling along the p42/44 MAP kinase cascade in vivo. A role for the caveolin-scaffolding domain. *FEBS Letters*, **1998**, 428, 205-11	3.8	321
480	Evidence for a stromal-epithelial "lactate shuttle" in human tumors: MCT4 is a marker of oxidative stress in cancer-associated fibroblasts. *Cell Cycle*, **2011**, 10, 1772-83	4.7	310

479	Antibiotics that target mitochondria effectively eradicate cancer stem cells, across multiple tumor types: treating cancer like an infectious disease. *Oncotarget*, **2015**, 6, 4569-84	3.3	309
478	Recombinant expression of caveolin-1 in oncogenically transformed cells abrogates anchorage-independent growth. *Journal of Biological Chemistry*, **1997**, 272, 16374-81	5.4	307
477	The Caveolin genes: from cell biology to medicine. *Annals of Medicine*, **2004**, 36, 584-95	1.5	292
476	Caveolin isoforms differ in their N-terminal protein sequence and subcellular distribution. Identification and epitope mapping of an isoform-specific monoclonal antibody probe. *Journal of Biological Chemistry*, **1995**, 270, 16395-401	5.4	292
475	Specific inhibitors of p38 mitogen-activated protein kinase block 3T3-L1 adipogenesis. *Journal of Biological Chemistry*, **1998**, 273, 32111-20	5.4	285
474	Constitutive and growth factor-regulated phosphorylation of caveolin-1 occurs at the same site (Tyr-14) in vivo: identification of a c-Src/Cav-1/Grb7 signaling cassette. *Molecular Endocrinology*, **2000**, 14, 1750-75		284
473	Adipocyte-secreted factors synergistically promote mammary tumorigenesis through induction of anti-apoptotic transcriptional programs and proto-oncogene stabilization. *Oncogene*, **2003**, 22, 6408-23	9.2	278
472	Caveolin, caveolae, and endothelial cell function. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2003**, 23, 1161-8	9.4	277
471	Adipocyte-derived collagen VI affects early mammary tumor progression in vivo, demonstrating a critical interaction in the tumor/stroma microenvironment. *Journal of Clinical Investigation*, **2005**, 115, 1163-76	15.9	274
470	Caveolin-1-deficient mice show insulin resistance and defective insulin receptor protein expression in adipose tissue. *American Journal of Physiology - Cell Physiology*, **2003**, 285, C222-35	5.4	270
469	Direct acetylation of the estrogen receptor alpha hinge region by p300 regulates transactivation and hormone sensitivity. *Journal of Biological Chemistry*, **2001**, 276, 18375-83	5.4	267
468	Cancer stem cell metabolism. *Breast Cancer Research*, **2016**, 18, 55	8.3	261
467	Microvascular hyperpermeability in caveolin-1 (-/-) knock-out mice. Treatment with a specific nitric-oxide synthase inhibitor, L-NAME, restores normal microvascular permeability in Cav-1 null mice. *Journal of Biological Chemistry*, **2002**, 277, 40091-8	5.4	258
466	Role of caveolin-1 in the modulation of lipolysis and lipid droplet formation. *Diabetes*, **2004**, 53, 1261-70	0.9	257
465	Caveolin-2-deficient mice show evidence of severe pulmonary dysfunction without disruption of caveolae. *Molecular and Cellular Biology*, **2002**, 22, 2329-44	4.8	257
464	The lipopolysaccharide-activated toll-like receptor (TLR)-4 induces synthesis of the closely related receptor TLR-2 in adipocytes. *Journal of Biological Chemistry*, **2000**, 275, 24255-63	5.4	256
463	Catabolic cancer-associated fibroblasts transfer energy and biomass to anabolic cancer cells, fueling tumor growth. *Seminars in Cancer Biology*, **2014**, 25, 47-60	12.7	252
462	An absence of stromal caveolin-1 expression predicts early tumor recurrence and poor clinical outcome in human breast cancers. *American Journal of Pathology*, **2009**, 174, 2023-34	5.8	252

461	Caveolae-deficient endothelial cells show defects in the uptake and transport of albumin in vivo. *Journal of Biological Chemistry*, **2001**, 276, 48619-22	5.4	251
460	Large oncosomes in human prostate cancer tissues and in the circulation of mice with metastatic disease. *American Journal of Pathology*, **2012**, 181, 1573-84	5.8	249
459	Perilipin A mediates the reversible binding of CGI-58 to lipid droplets in 3T3-L1 adipocytes. *Journal of Biological Chemistry*, **2004**, 279, 42062-71	5.4	240
458	Caveolin-1 expression negatively regulates cell cycle progression by inducing G(0)/G(1) arrest via a p53/p21(WAF1/Cip1)-dependent mechanism. *Molecular Biology of the Cell*, **2001**, 12, 2229-44	3.5	239
457	Caveolin-1 gene disruption promotes mammary tumorigenesis and dramatically enhances lung metastasis in vivo. Role of Cav-1 in cell invasiveness and matrix metalloproteinase (MMP-2/9) secretion. *Journal of Biological Chemistry*, **2004**, 279, 51630-46	5.4	235
456	Ketones and lactate increase cancer cell "stemness," driving recurrence, metastasis and poor clinical outcome in breast cancer: achieving personalized medicine via Metabolo-Genomics. *Cell Cycle*, **2011**, 10, 1271-86	4.7	229
455	Caveolin is an activator of insulin receptor signaling. *Journal of Biological Chemistry*, **1998**, 273, 26962-8	5.4	229
454	Caveolin-3 knock-out mice develop a progressive cardiomyopathy and show hyperactivation of the p42/44 MAPK cascade. *Journal of Biological Chemistry*, **2002**, 277, 38988-97	5.4	224
453	Warburg meets autophagy: cancer-associated fibroblasts accelerate tumor growth and metastasis via oxidative stress, mitophagy, and aerobic glycolysis. *Antioxidants and Redox Signaling*, **2012**, 16, 1264-84	8.4	222
452	Integral and peripheral protein composition of the apical and basolateral membrane domains in MDCK cells. *Journal of Membrane Biology*, **1989**, 107, 277-86	2.3	217
451	Caveolin-1 and cancer metabolism in the tumor microenvironment: markers, models, and mechanisms. *Annual Review of Pathology: Mechanisms of Disease*, **2012**, 7, 423-67	34	216
450	Hyperactivation of oxidative mitochondrial metabolism in epithelial cancer cells in situ: visualizing the therapeutic effects of metformin in tumor tissue. *Cell Cycle*, **2011**, 10, 4047-64	4.7	216
449	The autophagic tumor stroma model of cancer: Role of oxidative stress and ketone production in fueling tumor cell metabolism. *Cell Cycle*, **2010**, 9, 3485-505	4.7	215
448	Glycophospholipid membrane anchoring provides clues to the mechanism of protein sorting in polarized epithelial cells. *Trends in Biochemical Sciences*, **1990**, 15, 113-8	10.3	211
447	Caveolin interaction with protein kinase C. Isoenzyme-dependent regulation of kinase activity by the caveolin scaffolding domain peptide. *Journal of Biological Chemistry*, **1997**, 272, 33416-21	5.4	210
446	microRNA 17/20 inhibits cellular invasion and tumor metastasis in breast cancer by heterotypic signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 8231-6	11.5	209
445	Tumor cells induce the cancer associated fibroblast phenotype via caveolin-1 degradation: implications for breast cancer and DCIS therapy with autophagy inhibitors. *Cell Cycle*, **2010**, 9, 2423-33	4.7	208
444	Role of cholesterol in the development and progression of breast cancer. *American Journal of Pathology*, **2011**, 178, 402-12	5.8	202

443	Stat3 promotes metastatic progression of prostate cancer. *American Journal of Pathology*, **2008**, 172, 1717-28	5.8	200
442	The integrin-linked kinase regulates the cyclin D1 gene through glycogen synthase kinase 3beta and cAMP-responsive element-binding protein-dependent pathways. *Journal of Biological Chemistry*, **2000**, 275, 32649-57	5.4	196
441	Metabolic reprogramming of cancer-associated fibroblasts by TGF-□drives tumor growth: connecting TGF-□signaling with "Warburg-like" cancer metabolism and L-lactate production. *Cell Cycle*, **2012**, 11, 3019-35	4.7	194
440	Cancer cells metabolically "fertilize" the tumor microenvironment with hydrogen peroxide, driving the Warburg effect: implications for PET imaging of human tumors. *Cell Cycle*, **2011**, 10, 2504-20	4.7	193
439	Using the "reverse Warburg effect" to identify high-risk breast cancer patients: stromal MCT4 predicts poor clinical outcome in triple-negative breast cancers. *Cell Cycle*, **2012**, 11, 1108-17	4.7	191
438	Stromal-epithelial metabolic coupling in cancer: integrating autophagy and metabolism in the tumor microenvironment. *International Journal of Biochemistry and Cell Biology*, **2011**, 43, 1045-51	5.6	189
437	Caveolin-1 null mice develop cardiac hypertrophy with hyperactivation of p42/44 MAP kinase in cardiac fibroblasts. *American Journal of Physiology - Cell Physiology*, **2003**, 284, C457-74	5.4	189
436	CCR5 antagonist blocks metastasis of basal breast cancer cells. *Cancer Research*, **2012**, 72, 3839-50	10.1	188
435	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. *Cell Cycle*, **2010**, 9, 2201-19	4.7	188
434	Cellular stress induces the tyrosine phosphorylation of caveolin-1 (Tyr(14)) via activation of p38 mitogen-activated protein kinase and c-Src kinase. Evidence for caveolae, the actin cytoskeleton, and focal adhesions as mechanical sensors of osmotic stress. *Journal of Biological Chemistry*, **2001**, 276, 8094-103	5.4	187
433	Genetic ablation of caveolin-1 confers protection against atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2004**, 24, 98-105	9.4	181
432	Autophagy and senescence in cancer-associated fibroblasts metabolically supports tumor growth and metastasis via glycolysis and ketone production. *Cell Cycle*, **2012**, 11, 2285-302	4.7	179
431	Caveolin-1/3 double-knockout mice are viable, but lack both muscle and non-muscle caveolae, and develop a severe cardiomyopathic phenotype. *American Journal of Pathology*, **2002**, 160, 2207-17	5.8	178
430	Mitochondrial biogenesis is required for the anchorage-independent survival and propagation of stem-like cancer cells. *Oncotarget*, **2015**, 6, 14777-95	3.3	175
429	Expression of caveolin-1 induces premature cellular senescence in primary cultures of murine fibroblasts. *Molecular Biology of the Cell*, **2002**, 13, 2502-17	3.5	175
428	Caveolin-2 localizes to the golgi complex but redistributes to plasma membrane, caveolae, and rafts when co-expressed with caveolin-1. *Journal of Biological Chemistry*, **1999**, 274, 25708-17	5.4	174
427	Expression and Characterization of Recombinant Caveolin. *Journal of Biological Chemistry*, **1996**, 271, 568-573	5.4	173
426	Gpa2p, a G-protein alpha-subunit, regulates growth and pseudohyphal development in Saccharomyces cerevisiae via a cAMP-dependent mechanism. *Journal of Biological Chemistry*, **1997**, 272, 20321-3	5.4	172

425	Reciprocal regulation of neu tyrosine kinase activity and caveolin-1 protein expression in vitro and in vivo. Implications for human breast cancer. *Journal of Biological Chemistry*, **1998**, 273, 20448-55	5.4	170
424	Flotillins/cavatellins are differentially expressed in cells and tissues and form a hetero-oligomeric complex with caveolins in vivo. Characterization and epitope-mapping of a novel flotillin-1 monoclonal antibody probe. *Journal of Biological Chemistry*, **1999**, 274, 12702-9	5.4	169
423	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. *Cell Cycle*, **2010**, 9, 3534-51	4.7	168
422	Caveolin-deficient mice: insights into caveolar function human disease. *Journal of Clinical Investigation*, **2001**, 108, 1553-1561	15.9	168
421	The reverse Warburg effect: glycolysis inhibitors prevent the tumor promoting effects of caveolin-1 deficient cancer associated fibroblasts. *Cell Cycle*, **2010**, 9, 1960-71	4.7	167
420	Expression of caveolin-1 is required for the transport of caveolin-2 to the plasma membrane. Retention of caveolin-2 at the level of the golgi complex. *Journal of Biological Chemistry*, **1999**, 274, 25718-25	5.4	167
419	Hydrogen peroxide fuels aging, inflammation, cancer metabolism and metastasis: the seed and soil also needs "fertilizer". *Cell Cycle*, **2011**, 10, 2440-9	4.7	165
418	The canonical NF-kappaB pathway governs mammary tumorigenesis in transgenic mice and tumor stem cell expansion. *Cancer Research*, **2010**, 70, 10464-73	10.1	165
417	N-cadherin signaling potentiates mammary tumor metastasis via enhanced extracellular signal-regulated kinase activation. *Cancer Research*, **2007**, 67, 3106-16	10.1	165
416	The biology of caveolae: lessons from caveolin knockout mice and implications for human disease. *Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics*, **2003**, 3, 445-64		165
415	Genes encoding human caveolin-1 and -2 are co-localized to the D7S522 locus (7q31.1), a known fragile site (FRA7G) that is frequently deleted in human cancers. *FEBS Letters*, **1998**, 436, 403-10	3.8	163
414	Affinity-purification and characterization of caveolins from the brain: differential expression of caveolin-1, -2, and -3 in brain endothelial and astroglial cell types. *Brain Research*, **1998**, 804, 177-92	3.7	161
413	Role of caveolin and caveolae in insulin signaling and diabetes. *American Journal of Physiology - Endocrinology and Metabolism*, **2003**, 285, E1151-60	6	160
412	Cancer metabolism, stemness and tumor recurrence: MCT1 and MCT4 are functional biomarkers of metabolic symbiosis in head and neck cancer. *Cell Cycle*, **2013**, 12, 1371-84	4.7	159
411	Crowded little caves: structure and function of caveolae. *Cellular Signalling*, **1998**, 10, 457-63	4.9	159
410	Molecular genetics of the caveolin gene family: implications for human cancers, diabetes, Alzheimer disease, and muscular dystrophy. *American Journal of Human Genetics*, **1998**, 63, 1578-87	11	159
409	Caveolin-1 mutations (P132L and null) and the pathogenesis of breast cancer: caveolin-1 (P132L) behaves in a dominant-negative manner and caveolin-1 (-/-) null mice show mammary epithelial cell hyperplasia. *American Journal of Pathology*, **2002**, 161, 1357-69	5.8	157
408	Understanding the "lethal" drivers of tumor-stroma co-evolution: emerging role(s) for hypoxia, oxidative stress and autophagy/mitophagy in the tumor micro-environment. *Cancer Biology and Therapy*, **2010**, 10, 537-42	4.6	155

407	A molecular dissection of caveolin-1 membrane attachment and oligomerization. Two separate regions of the caveolin-1 C-terminal domain mediate membrane binding and oligomer/oligomer interactions in vivo. *Journal of Biological Chemistry*, **2000**, 275, 21605-17	5.4	154
406	Caveolinopathies: from the biology of caveolin-3 to human diseases. *European Journal of Human Genetics*, **2010**, 18, 137-45	5.3	151
405	Graphene oxide selectively targets cancer stem cells, across multiple tumor types: implications for non-toxic cancer treatment, via "differentiation-based nano-therapy". *Oncotarget*, **2015**, 6, 3553-62	3.3	150
404	The adipocyte as an important target cell for Trypanosoma cruzi infection. *Journal of Biological Chemistry*, **2005**, 280, 24085-94	5.4	150
403	Inhibition of cellular proliferation through IkappaB kinase-independent and peroxisome proliferator-activated receptor gamma-dependent repression of cyclin D1. *Molecular and Cellular Biology*, **2001**, 21, 3057-70	4.8	149
402	Caveolin-3 directly interacts with the C-terminal tail of beta -dystroglycan. Identification of a central WW-like domain within caveolin family members. *Journal of Biological Chemistry*, **2000**, 275, 38048-58	5.4	149
401	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. *Cell Cycle*, **2012**, 11, 3599-610	4.7	147
400	Akt1 governs breast cancer progression in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 7438-43	11.5	146
399	Plasma membrane cholesterol is a key molecule in shear stress-dependent activation of extracellular signal-regulated kinase. *Journal of Biological Chemistry*, **1998**, 273, 32304-11	5.4	143
398	Regulation of cAMP-mediated signal transduction via interaction of caveolins with the catalytic subunit of protein kinase A. *Journal of Biological Chemistry*, **1999**, 274, 26353-60	5.4	143
397	Mitochondria as new therapeutic targets for eradicating cancer stem cells: Quantitative proteomics and functional validation via MCT1/2 inhibition. *Oncotarget*, **2014**, 5, 11029-37	3.3	142
396	Tumor microenvironment and metabolic synergy in breast cancers: critical importance of mitochondrial fuels and function. *Seminars in Oncology*, **2014**, 41, 195-216	5.5	141
395	Caveolin-1 expression inhibits Wnt/beta-catenin/Lef-1 signaling by recruiting beta-catenin to caveolae membrane domains. *Journal of Biological Chemistry*, **2000**, 275, 23368-77	5.4	141
394	Mitochondrial metabolism in cancer metastasis: visualizing tumor cell mitochondria and the "reverse Warburg effect" in positive lymph node tissue. *Cell Cycle*, **2012**, 11, 1445-54	4.7	139
393	Regulation of G protein-coupled receptor kinases by caveolin. *Journal of Biological Chemistry*, **1999**, 274, 8858-64	5.4	139
392	Mutational analysis of the properties of caveolin-1. A novel role for the C-terminal domain in mediating homo-typic caveolin-caveolin interactions. *Journal of Biological Chemistry*, **1997**, 272, 4398-403	5.4	137
391	Decreased expression of caveolin 1 in patients with systemic sclerosis: crucial role in the pathogenesis of tissue fibrosis. *Arthritis and Rheumatism*, **2008**, 58, 2854-65		137
390	Absence of caveolin-1 sensitizes mouse skin to carcinogen-induced epidermal hyperplasia and tumor formation. *American Journal of Pathology*, **2003**, 162, 2029-39	5.8	137

389	Understanding the Warburg effect and the prognostic value of stromal caveolin-1 as a marker of a lethal tumor microenvironment. *Breast Cancer Research*, **2011**, 13, 213	8.3	136
388	Caveolin-1 expression enhances endothelial capillary tubule formation. *Journal of Biological Chemistry*, **2002**, 277, 10661-8	5.4	136
387	Caveolae and signalling in cancer. *Nature Reviews Cancer*, **2015**, 15, 225-37	31.3	135
386	Cancer stem cells (CSCs): metabolic strategies for their identification and eradication. *Biochemical Journal*, **2018**, 475, 1611-1634	3.8	135
385	Anti-estrogen resistance in breast cancer is induced by the tumor microenvironment and can be overcome by inhibiting mitochondrial function in epithelial cancer cells. *Cancer Biology and Therapy*, **2011**, 12, 924-38	4.6	134
384	The autophagic tumor stroma model of cancer or "battery-operated tumor growth": A simple solution to the autophagy paradox. *Cell Cycle*, **2010**, 9, 4297-306	4.7	134
383	Angiogenesis activators and inhibitors differentially regulate caveolin-1 expression and caveolae formation in vascular endothelial cells. Angiogenesis inhibitors block vascular endothelial growth factor-induced down-regulation of caveolin-1. *Journal of Biological Chemistry*, **1999**, 274, 15781-5	5.4	134
382	p42/44 MAP kinase-dependent and -independent signaling pathways regulate caveolin-1 gene expression. Activation of Ras-MAP kinase and protein kinase a signaling cascades transcriptionally down-regulates caveolin-1 promoter activity. *Journal of Biological Chemistry*, **1999**, 274, 32333-41	5.4	133
381	High mitochondrial mass identifies a sub-population of stem-like cancer cells that are chemo-resistant. *Oncotarget*, **2015**, 6, 30472-86	3.3	131
380	Caveolin-1 promotes tumor progression in an autochthonous mouse model of prostate cancer: genetic ablation of Cav-1 delays advanced prostate tumor development in tramp mice. *Journal of Biological Chemistry*, **2005**, 280, 25134-45	5.4	131
379	Decorin antagonizes the angiogenic network: concurrent inhibition of Met, hypoxia inducible factor 1α, vascular endothelial growth factor A, and induction of thrombospondin-1 and TIMP3. *Journal of Biological Chemistry*, **2012**, 287, 5492-506	5.4	130
378	Caveolin interacts with Trk A and p75(NTR) and regulates neurotrophin signaling pathways. *Journal of Biological Chemistry*, **1999**, 274, 257-63	5.4	130
377	Energy transfer in "parasitic" cancer metabolism: mitochondria are the powerhouse and AchillesQ heel of tumor cells. *Cell Cycle*, **2011**, 10, 4208-16	4.7	129
376	Loss of caveolin-1 gene expression accelerates the development of dysplastic mammary lesions in tumor-prone transgenic mice. *Molecular Biology of the Cell*, **2003**, 14, 1027-42	3.5	128
375	Expression of indoleamine 2,3-dioxygenase in metastatic malignant melanoma recruits regulatory T cells to avoid immune detection and affects survival. *Cell Cycle*, **2009**, 8, 1930-4	4.7	127
374	Preferred apical distribution of glycosyl-phosphatidylinositol (GPI) anchored proteins: a highly conserved feature of the polarized epithelial cell phenotype. *Journal of Membrane Biology*, **1990**, 113, 155-67	2.3	127
373	Repurposing atovaquone: targeting mitochondrial complex III and OXPHOS to eradicate cancer stem cells. *Oncotarget*, **2016**, 7, 34084-99	3.3	127
372	Caveolae and caveolin-3 in muscular dystrophy. *Trends in Molecular Medicine*, **2001**, 7, 435-41	11.5	126

371	Caveolae, plasma membrane microdomains for alpha-secretase-mediated processing of the amyloid precursor protein. *Journal of Biological Chemistry*, **1998**, 273, 10485-95	5.4	125
370	The role of breast cancer stem cells in metastasis and therapeutic implications. *American Journal of Pathology*, **2011**, 179, 2-11	5.8	124
369	Epidermal growth factor receptor exposed to oxidative stress undergoes Src- and caveolin-1-dependent perinuclear trafficking. *Journal of Biological Chemistry*, **2006**, 281, 14486-93	5.4	124
368	An absence of stromal caveolin-1 is associated with advanced prostate cancer, metastatic disease and epithelial Akt activation. *Cell Cycle*, **2009**, 8, 2420-4	4.7	123
367	Phenotypic behavior of caveolin-3 mutations that cause autosomal dominant limb girdle muscular dystrophy (LGMD-1C). Retention of LGMD-1C caveolin-3 mutants within the golgi complex. *Journal of Biological Chemistry*, **1999**, 274, 25632-41	5.4	123
366	COVID-19 and chronological aging: senolytics and other anti-aging drugs for the treatment or prevention of corona virus infection?. *Aging*, **2020**, 12, 6511-6517	5.6	123
365	Human breast cancer-associated fibroblasts (CAFs) show caveolin-1 downregulation and RB tumor suppressor functional inactivation: Implications for the response to hormonal therapy. *Cancer Biology and Therapy*, **2008**, 7, 1212-25	4.6	122
364	Caveolin-1 potentiates estrogen receptor alpha (ERalpha) signaling. caveolin-1 drives ligand-independent nuclear translocation and activation of ERalpha. *Journal of Biological Chemistry*, **1999**, 274, 33551-6	5.4	122
363	Caveolae, transmembrane signalling and cellular transformation. *Molecular Membrane Biology*, **1995**, 12, 121-4	3.4	119
362	Mitochondria "fuel" breast cancer metabolism: fifteen markers of mitochondrial biogenesis label epithelial cancer cells, but are excluded from adjacent stromal cells. *Cell Cycle*, **2012**, 11, 4390-401	4.7	118
361	Glutamine fuels a vicious cycle of autophagy in the tumor stroma and oxidative mitochondrial metabolism in epithelial cancer cells: implications for preventing chemotherapy resistance. *Cancer Biology and Therapy*, **2011**, 12, 1085-97	4.6	118
360	Caveolin-1 null (-/-) mice show dramatic reductions in life span. *Biochemistry*, **2003**, 42, 15124-31	3.2	117
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