Olivier Feron

List of Publications by Year
in descending order

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280 papers	30,777 citations	8755 75 h-index	4885 168 g-index
286 all docs	286 docs citations	286 times ranked	43337 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	To exploit the tumor microenvironment: Passive and active tumor targeting of nanocarriers for anti-cancer drug delivery. Journal of Controlled Release, 2010, 148, 135-146.	9.9	2,256
3	Targeting lactate-fueled respiration selectively kills hypoxic tumor cells in mice. Journal of Clinical Investigation, 2008, 118, 3930-42.	8.2	1,225
4	Nitric oxide synthases: which, where, how, and why?. Journal of Clinical Investigation, 1997, 100, 2146-2152.	8.2	851
5	Tumour acidosis: from the passenger to the driver's seat. Nature Reviews Cancer, 2017, 17, 577-593.	28.4	666
6	Lactate Influx through the Endothelial Cell Monocarboxylate Transporter MCT1 Supports an NF-ÎºB/IL-8 Pathway that Drives Tumor Angiogenesis. Cancer Research, 2011, 71, 2550-2560.	0.9	637
7	Endothelial Nitric Oxide Synthase Targeting to Caveolae. Journal of Biological Chemistry, 1996, 271, 22810-22814.	3.4	624
8	Mice that Lack Endothelial Nitric Oxide Synthase Are Protected against Functional and Structural Modifications Induced by Acute Peritonitis. Journal of the American Society of Nephrology: JASN, 2003, 14, 3205-3216.	6.1	573
9	Reciprocal Regulation of Endothelial Nitric-oxide Synthase by Ca2+-Calmodulin and Caveolin. Journal of Biological Chemistry, 1997, 272, 15583-15586.	3.4	526
10	Paclitaxel-loaded PEGylated PLGA-based nanoparticles: In vitro and in vivo evaluation. Journal of Controlled Release, 2009, 133, 11-17.	9.9	526
11	Nitric Oxide and Cardiac Function. Circulation Research, 2003, 93, 388-398.	4.5	518
12	A roadmap for interpreting 13 C metabolite labeling patterns from cells. Current Opinion in Biotechnology, 2015, 34, 189-201.	6.6	513
13	A Mitochondrial Switch Promotes Tumor Metastasis. Cell Reports, 2014, 8, 754-766.	6.4	478
14	Pyruvate into lactate and back: From the Warburg effect to symbiotic energy fuel exchange in cancer cells. Radiotherapy and Oncology, 2009, 92, 329-333.	0.6	463
15	Targeting the Lactate Transporter MCT1 in Endothelial Cells Inhibits Lactate-Induced HIF-1 Activation and Tumor Angiogenesis. PLoS ONE, 2012, 7, e33418.	2.5	412
16	Hydroxy-Methylglutarylâ€“Coenzyme A Reductase Inhibition Promotes Endothelial Nitric Oxide Synthase Activation Through a Decrease in Caveolin Abundance. Circulation, 2001, 103, 113-118.	1.6	402
17	eNOS Activation by Physical Forces: From Short-Term Regulation of Contraction to Chronic Remodeling of Cardiovascular Tissues. Physiological Reviews, 2009, 89, 481-534.	28.8	388
18	Hypercholesterolemia decreases nitric oxide production by promoting the interaction of caveolin and endothelial nitric oxide synthase. Journal of Clinical Investigation, 1999, 103, 897-905.	8.2	350

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19	The Endothelial Nitric-oxide Synthase-Caveolin Regulatory Cycle. Journal of Biological Chemistry, 1998, 273, 3125-3128.	3.4	321
20	Targeting of tumor endothelium by RGD-grafted PLGA-nanoparticles loaded with Paclitaxel. Journal of Controlled Release, 2009, 140, 166-173.	9.9	313
21	Upregulation of Î² ₃ -Adrenoceptors and Altered Contractile Response to Inotropic Amines in Human Failing Myocardium. Circulation, 2001, 103, 1649-1655.	1.6	300
22	Caveolin versus Calmodulin. Journal of Biological Chemistry, 1997, 272, 25907-25912.	3.4	272
23	Hsp90 and Caveolin Are Key Targets for the Proangiogenic Nitric Oxideâ€“Mediated Effects of Statins. Circulation Research, 2001, 89, 866-873.	4.5	258
24	Dynamic Targeting of the Agonist-stimulated m2 Muscarinic Acetylcholine Receptor to Caveolae in Cardiac Myocytes. Journal of Biological Chemistry, 1997, 272, 17744-17748.	3.4	246
25	Lactate shuttles at a glance: from physiological paradigms to anti-cancer treatments. DMM Disease Models and Mechanisms, 2011, 4, 727-732.	2.4	245
26	Acidosis Drives the Reprogramming of Fatty Acid Metabolism in Cancer Cells through Changes in Mitochondrial and Histone Acetylation. Cell Metabolism, 2016, 24, 311-323.	16.2	244
27	Gut microbiota-derived propionate reduces cancer cell proliferation in the liver. British Journal of Cancer, 2012, 107, 1337-1344.	6.4	238
28	Lactate Activates HIF-1 in Oxidative but Not in Warburg-Phenotype Human Tumor Cells. PLoS ONE, 2012, 7, e46571.	2.5	204
29	Role of Caveolar Compartmentation in Endothelium-Derived Hyperpolarizing Factorâ€“Mediated Relaxation. Circulation, 2008, 117, 1065-1074.	1.6	202
30	Endothelial Î² 3 -Adrenoreceptors Mediate Nitric Oxideâ€“Dependent Vasorelaxation of Coronary Microvessels in Response to the Third-Generation Î²-Blocker Nebivolol. Circulation, 2005, 112, 1198-1205.	1.6	195
31	Hsp90 Ensures the Transition from the Early Ca2+-dependent to the Late Phosphorylation-dependent Activation of the Endothelial Nitric-oxide Synthase in Vascular Endothelial Growth Factor-exposed Endothelial Cells. Journal of Biological Chemistry, 2001, 276, 32663-32669.	3.4	192
32	Caveolin-1 Expression Is Critical for Vascular Endothelial Growth Factorâ€“Induced Ischemic Hindlimb Collateralization and Nitric Oxideâ€“Mediated Angiogenesis. Circulation Research, 2004, 95, 154-161.	4.5	191
33	Endothelial cell metabolism and tumour angiogenesis: glucose and glutamine as essential fuels and lactate as the driving force. Journal of Internal Medicine, 2013, 273, 156-165.	6.0	190
34	Peroxidation of n-3 and n-6 polyunsaturated fatty acids in the acidic tumor environment leads to ferroptosis-mediated anticancer effects. Cell Metabolism, 2021, 33, 1701-1715.e5.	16.2	189
35	TGFÎ²2-induced formation of lipid droplets supports acidosis-driven EMT and the metastatic spreading of cancer cells. Nature Communications, 2020, 11, 454.	12.8	184
36	Lactate stimulates angiogenesis and accelerates the healing of superficial and ischemic wounds in mice. Angiogenesis, 2012, 15, 581-592.	7.2	183

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37	Effects of Vascular Endothelial Growth Factor on the Lymphocyte-Endothelium Interactions: Identification of Caveolin-1 and Nitric Oxide as Control Points of Endothelial Cell Anergy. Journal of Immunology, 2007, 178, 1505-1511.	0.8	176
38	Innate Immunity and Angiogenesis. Circulation Research, 2005, 96, 15-26.	4.5	175
39	Preconditioning of the Tumor Vasculature and Tumor Cells by Intermittent Hypoxia: Implications for Anticancer Therapies. Cancer Research, 2006, 66, 11736-11744.	0.9	175
40	Regulation of Monocarboxylate Transporter MCT1 Expression by p53 Mediates Inward and Outward Lactate Fluxes in Tumors. Cancer Research, 2012, 72, 939-948.	0.9	172
41	Rosuvastatin Decreases Caveolin-1 and Improves Nitric Oxideâ€“Dependent Heart Rate and Blood Pressure Variability in Apolipoprotein E ^{â^'/â^'} Mice In Vivo. Circulation, 2003, 107, 2480-2486.	1.6	169
42	Modulation of the Endothelial Nitric-oxide Synthase-Caveolin Interaction in Cardiac Myocytes. Journal of Biological Chemistry, 1998, 273, 30249-30254.	3.4	166
43	Modifier effect of ENOS in autosomal dominant polycystic kidney disease. Human Molecular Genetics, 2002, 11, 229-241.	2.9	160
44	Cycling hypoxia: A key feature of the tumor microenvironment. Biochimica Et Biophysica Acta: Reviews on Cancer, 2016, 1866, 76-86.	7.4	150
45	Both host and graft vessels contribute to revascularization of xenografted human ovarian tissue in a murine model. Fertility and Sterility, 2010, 93, 1676-1685.	1.0	144
46	Irradiation-induced angiogenesis through the up-regulation of the nitric oxide pathway: implications for tumor radiotherapy. Cancer Research, 2003, 63, 1012-9.	0.9	142
47	The SIRT1/HIF2Î± Axis Drives Reductive Glutamine Metabolism under Chronic Acidosis and Alters Tumor Response to Therapy. Cancer Research, 2014, 74, 5507-5519.	0.9	139
48	Caveolins and the regulation of endothelial nitric oxide synthase in the heart. Cardiovascular Research, 2006, 69, 788-797.	3.8	135
49	Dynamic Regulation of Endothelial Nitric Oxide Synthase:Â Complementary Roles of Dual Acylation and Caveolin Interactionsâ€. Biochemistry, 1998, 37, 193-200.	2.5	133
50	Muscarinic cholinergic regulation of cardiac myocyte ICa-L is absent in mice with targeted disruption of endothelial nitric oxide synthase. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 6510-6515.	7.1	131
51	3D systems delivering VEGF to promote angiogenesis for tissue engineering. Journal of Controlled Release, 2011, 150, 272-278.	9.9	128
52	Mechanisms of pericyte recruitment in tumour angiogenesis: A new role for metalloproteinases. European Journal of Cancer, 2006, 42, 310-318.	2.8	124
53	Cancer cell metabolism and mitochondria: Nutrient plasticity for TCA cycle fueling. Biochimica Et Biophysica Acta: Reviews on Cancer, 2017, 1868, 7-15.	7.4	124
54	Interruption of lactate uptake by inhibiting mitochondrial pyruvate transport unravels direct antitumor and radiosensitizing effects. Nature Communications, 2018, 9, 1208.	12.8	124

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55	Thalidomide radiosensitizes tumors through early changes in the tumor microenvironment. Clinical Cancer Research, 2005, 11, 743-50.	7.0	117
56	Differential regulation of nitric oxide synthases and their allosteric regulators in heart and vessels of hypertensive rats. Cardiovascular Research, 2003, 57, 456-467.	3.8	116
57	Arsenic Trioxide Treatment Decreases the Oxygen Consumption Rate of Tumor Cells and Radiosensitizes Solid Tumors. Cancer Research, 2012, 72, 482-490.	0.9	116
58	Phase II study of everolimus in patients with locally advanced or metastatic transitional cell carcinoma of the urothelial tract: clinical activity, molecular response, and biomarkers. Annals of Oncology, 2012, 23, 2663-2670.	1.2	114
59	Heat Shock Protein 90 Transfection Reduces Ischemia-Reperfusionâ€"Induced Myocardial Dysfunction via Reciprocal Endothelial NO Synthase Serine 1177 Phosphorylation and Threonine 495 Dephosphorylation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 1435-1441.	2.4	109
60	Ir-CPI, a coagulation contact phase inhibitor from the tick Ixodes ricinus, inhibits thrombus formation without impairing hemostasis. Journal of Experimental Medicine, 2009, 206, 2381-2395.	8.5	101
61	Cardiomyocyte-Restricted Overexpression of Endothelial Nitric Oxide Synthase (NOS3) Attenuates Î²-Adrenergic Stimulation and Reinforces Vagal Inhibition of Cardiac Contraction. Circulation, 2004, 110, 2666-2672.	1.6	94
62	Emerging roles of lipid metabolism in cancer progression. Current Opinion in Clinical Nutrition and Metabolic Care, 2017, 20, 254-260.	2.5	91
63	Dynamin mediates caveolar sequestration of muscarinic cholinergic receptors and alteration in NO signaling. EMBO Journal, 2000, 19, 4272-4280.	7.8	89
64	Insulin increases the sensitivity of tumors to irradiation: involvement of an increase in tumor oxygenation mediated by a nitric oxide-dependent decrease of the tumor cells oxygen consumption. Cancer Research, 2002, 62, 3555-61.	0.9	89
65	Antitumor Activity of 7-Aminocarboxycoumarin Derivatives, a New Class of Potent Inhibitors of Lactate Influx but Not Efflux. Molecular Cancer Therapeutics, 2014, 13, 1410-1418.	4.1	88
66	Nitric oxide delivery to cancer: Why and how?. European Journal of Cancer, 2009, 45, 1352-1369.	2.8	87
67	Targeting tumor stroma and exploiting mature tumor vasculature to improve anti-cancer drug delivery. Drug Resistance Updates, 2007, 10, 109-120.	14.4	86
68	Intermittent hypoxia is an angiogenic inducer for endothelial cells: role of HIF-1. Angiogenesis, 2009, 12, 47-67.	7.2	86
69	Modulation of the tumor vasculature functionality by ionizing radiation accounts for tumor radiosensitization and promotes gene delivery. FASEB Journal, 2002, 16, 1979-1981.	0.5	84
70	Early reoxygenation in tumors after irradiation: Determining factors and consequences for radiotherapy regimens using daily multiple fractions. International Journal of Radiation Oncology Biology Physics, 2005, 63, 901-910.	0.8	84
71	Comparison of methods for measuring oxygen consumption in tumor cells in vitro. Analytical Biochemistry, 2010, 396, 250-256.	2.4	84
72	Antibodyâ€functionalized nanoparticles for imaging cancer: influence of conjugation to gold nanoparticles on the biodistribution of ⁸⁹Zrâ€labeled cetuximab in mice. Contrast Media and Molecular Imaging, 2013, 8, 402-408.	0.8	84

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73	The Caveolar Paradox: Suppressing, Inducing, and Terminating eNOS Signaling. Circulation Research, 2001, 88, 129-131.	4.5	81
74	Glucose deprivation increases monocarboxylate transporter 1 (MCT1) expression and MCT1-dependent tumor cell migration. Oncogene, 2014, 33, 4060-4068.	5.9	81
75	Exploring the Phototoxicity of Hypoxic Active Iridium(III)-Based Sensitizers in 3D Tumor Spheroids. Journal of the American Chemical Society, 2019, 141, 18486-18491.	13.7	80
76	Tumor Radiosensitization by Antiinflammatory Drugs: Evidence for a New Mechanism Involving the Oxygen Effect. Cancer Research, 2005, 65, 7911-7916.	0.9	79
77	Delivery of siRNA targeting tumor metabolism using non-covalent PEGylated chitosan nanoparticles: Identification of an optimal combination of ligand structure, linker and grafting method. Journal of Controlled Release, 2016, 223, 53-63.	9.9	79
78	Cancer heterogeneity is not compatible with one unique cancer cell metabolic map. Oncogene, 2017, 36, 2637-2642.	5.9	79
79	Nitric oxide as a radiosensitizer: Evidence for an intrinsic role in addition to its effect on oxygen delivery and consumption. International Journal of Cancer, 2004, 109, 768-773.	5.1	77
80	The action of calcium channel blockers on recombinant Lâ€type calcium channel Î±₁â€subunits. British Journal of Pharmacology, 1998, 125, 1005-1012.	5.4	75
81	Inhibition of PKCÎ± and rhoA Translocation in Differentiated Smooth Muscle by a Caveolin Scaffolding Domain Peptide. Experimental Cell Research, 2000, 258, 72-81.	2.6	72
82	The role of vessel maturation and vessel functionality in spontaneous fluctuations ofT2*-weighted GRE signal within tumors. NMR in Biomedicine, 2006, 19, 69-76.	2.8	72
83	Neuregulin Signaling in the Heart. Circulation Research, 1999, 84, 1380-1387.	4.5	71
84	Potentiation of cyclophosphamide chemotherapy using the anti-angiogenic drug thalidomide: Importance of optimal scheduling to exploit the â€˜normalizationâ€™ window of the tumor vasculature. Cancer Letters, 2006, 244, 129-135.	7.2	69
85	Hsp90 cleavage by an oxidative stress leads to its client proteins degradation and cancer cell death. Biochemical Pharmacology, 2009, 77, 375-383.	4.4	69
86	PTEN deficiency is associated with reduced sensitivity to mTOR inhibitor in human bladder cancer through the unhampered feedback loop driving PI3K/Akt activation. British Journal of Cancer, 2013, 109, 1586-1592.	6.4	68
87	Auranofin radiosensitizes tumor cells through targeting thioredoxin reductase and resulting overproduction of reactive oxygen species. Oncotarget, 2017, 8, 35728-35742.	1.8	68
88	The Double Regulation of Endothelial Nitric Oxide Synthase by Caveolae and Caveolin: A Paradox Solved Through the Study of Angiogenesis. Trends in Cardiovascular Medicine, 2005, 15, 157-162.	4.9	65
89	Galectin-1 in Melanoma Biology and Related Neo-Angiogenesis Processes. Journal of Investigative Dermatology, 2012, 132, 2245-2254.	0.7	64
90	Harnessing the Response to Tissue Hypoxia HIF-1Î± and Therapeutic Angiogenesis. Trends in Cardiovascular Medicine, 2002, 12, 362-367.	4.9	61

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91	Botulinum toxin potentiates cancer radiotherapy and chemotherapy.. Clinical Cancer Research, 2006, 12, 1276-1283.	7.0	61
92	Intermittent hypoxia changes HIF-1Î± phosphorylation pattern in endothelial cells: Unravelling of a new PKA-dependent regulation of HIF-1Î±. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 1558-1571.	4.1	61
93	The association of N-palmitoylethanolamine with the FAAH inhibitor URB597 impairs melanoma growth through a supra-additive action. BMC Cancer, 2012, 12, 92.	2.6	61
94	Caveolin Plays a Central Role in Endothelial Progenitor Cell Mobilization and Homing in SDF-1â€“Driven Postischemic Vasculogenesis. Circulation Research, 2006, 98, 1219-1227.	4.5	60
95	Mechanism of Reoxygenation after Antiangiogenic Therapy Using SU5416 and Its Importance for Guiding Combined Antitumor Therapy. Cancer Research, 2006, 66, 9698-9704.	0.9	59
96	Hypoxia Modulates the Differentiation Potential of Stem Cells of the Apical Papilla. Journal of Endodontics, 2014, 40, 1410-1418.	3.1	59
97	Piperlongumine increases sensitivity of colorectal cancer cells to radiation: Involvement of ROS production via dual inhibition of glutathione and thioredoxin systems. Cancer Letters, 2019, 450, 42-52.	7.2	58
98	Synthesis and pharmacological evaluation of carboxycoumarins as a new antitumor treatment targeting lactate transport in cancer cells. Bioorganic and Medicinal Chemistry, 2013, 21, 7107-7117.	3.0	56
99	Endothelin-1 Is a Critical Mediator of Myogenic Tone in Tumor Arterioles. Cancer Research, 2004, 64, 3209-3214.	0.9	55
100	Cleaved Caspase-3 Transcriptionally Regulates Angiogenesis-Promoting Chemotherapy Resistance. Cancer Research, 2019, 79, 5958-5970.	0.9	55
101	Transport and Peripheral Bioactivities of Nitrogen Oxides Carried by Red Blood Cell Hemoglobin: Role in Oxygen Delivery. Physiology, 2007, 22, 97-112.	3.1	53
102	Reducing the serine availability complements the inhibition of the glutamine metabolism to block leukemia cell growth. Oncotarget, 2016, 7, 1765-1776.	1.8	53
103	Targeting the tumor vascular compartment to improve conventional cancer therapy. Trends in Pharmacological Sciences, 2004, 25, 536-542.	8.7	52
104	Bone Marrow Microenvironment and Tumor Progression. Cancer Microenvironment, 2008, 1, 23-35.	3.1	52
105	Moderate Caveolin-1 Downregulation Prevents NADPH Oxidaseâ€“Dependent Endothelial Nitric Oxide Synthase Uncoupling by Angiotensin II in Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2098-2105.	2.4	51
106	Antibody-functionalized polymer-coated gold nanoparticles targeting cancer cells: an in vitro and in vivo study. Journal of Materials Chemistry, 2012, 22, 21305.	6.7	51
107	Vascular endothelial growth factorâ€loaded injectable hydrogel enhances plasticity in the injured spinal cord. Journal of Biomedical Materials Research - Part A, 2014, 102, 2345-2355.	4.0	50
108	Metabolic and mind shifts. Current Opinion in Clinical Nutrition and Metabolic Care, 2015, 18, 346-353.	2.5	50

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109	LET-dependent radiosensitization effects of gold nanoparticles for proton irradiation. Nanotechnology, 2016, 27, 455101.	2.6	50
110	Î±-Ketothioamide Derivatives: A Promising Tool to Interrogate Phosphoglycerate Dehydrogenase (PHGDH). Journal of Medicinal Chemistry, 2017, 60, 1591-1597.	6.4	50
111	Control of blood pressure variability in caveolin-1-deficient mice: role of nitric oxide identified in vivo through spectral analysis. Cardiovascular Research, 2008, 79, 527-536.	3.8	49
112	Vascular Hypoxic Preconditioning Relies on TRPV4-Dependent Calcium Influx and Proper Intercellular Gap Junctions Communication. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2241-2249.	2.4	49
113	Glucocorticoids Modulate Tumor Radiation Response through a Decrease in Tumor Oxygen Consumption. Clinical Cancer Research, 2007, 13, 630-635.	7.0	48
114	Intracellular siRNA delivery dynamics of integrin-targeted, PEGylated chitosanâ€“poly(ethylene imine) hybrid nanoparticles: A mechanistic insight. Journal of Controlled Release, 2015, 211, 1-9.	9.9	48
115	Low Photosensitizer Dose and Early Radiotherapy Enhance Antitumor Immune Response of Photodynamic Therapy-Based Dendritic Cell Vaccination. Frontiers in Oncology, 2019, 9, 811.	2.8	47
116	VEGF 165 transfection decreases postischemic NFâ€Î°Bâ€dependent myocardial reperfusion injury in vivo: role of eNOS phosphorylation. FASEB Journal, 2003, 17, 705-707.	0.5	46
117	Contribution of oxygenation to BOLD contrast in exercising muscle. Magnetic Resonance in Medicine, 2004, 52, 391-396.	3.0	46
118	Targeting of Tumor Endothelium by RGD-Grafted PLGA-Nanoparticles. Methods in Enzymology, 2012, 508, 157-175.	1.0	46
119	The calcium channel blocker amlodipine promotes the unclamping of eNOS from caveolin in endothelial cells. Cardiovascular Research, 2006, 71, 478-485.	3.8	45
120	The Acidic Tumor Microenvironment Promotes the Reconversion of Nitrite into Nitric Oxide: Towards a New and Safe Radiosensitizing Strategy. Clinical Cancer Research, 2008, 14, 2768-2774.	7.0	45
121	Quantification of two splicing events in the L-type calcium channel alpha-1 subunit of intestinal smooth muscle and other tissues. FEBS Journal, 1994, 222, 195-202.	0.2	44
122	Regulation by cAMP of Post-translational Processing and Subcellular Targeting of Endothelial Nitric-oxide Synthase (Type 3) in Cardiac Myocytes. Journal of Biological Chemistry, 1997, 272, 11198-11204.	3.4	44
123	Caveolin-1 Is Critical for the Maturation of Tumor Blood Vessels through the Regulation of Both Endothelial Tube Formation and Mural Cell Recruitment. American Journal of Pathology, 2007, 171, 1619-1628.	3.8	44
124	Antitumor effects of in vivo caveolin gene delivery are associated with the inhibition of the proangiogenic and vasodilatory effects of nitric oxide. FASEB Journal, 2005, 19, 1-15.	0.5	43
125	Endothelial Nitric Oxide Synthase Overexpression Provides a Functionally Relevant Angiogenic Switch in Hibernating Pig Myocardium. Journal of the American College of Cardiology, 2007, 49, 1575-1584.	2.8	43
126	Nitric oxideâ€“mediated increase in tumor blood flow and oxygenation of tumors implanted in muscles stimulated by electric pulses. International Journal of Radiation Oncology Biology Physics, 2003, 55, 1066-1073.	0.8	42

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127	Molecular electron paramagnetic resonance imaging of melanin in melanomas: a proofâ€ofâ€concept. NMR in Biomedicine, 2008, 21, 296-300.	2.8	42
128	The transcription factor GATA-1 is overexpressed in breast carcinomas and contributes to survivin upregulation via a promoter polymorphism. Oncogene, 2010, 29, 2577-2584.	5.9	42
129	Antibody immobilization on gold nanoparticles coated layer-by-layer with polyelectrolytes. Journal of Nanoparticle Research, 2011, 13, 1573-1580.	1.9	42
130	Antibody-functionalized gold nanoparticles as tumor-targeting radiosensitizers for proton therapy. Nanomedicine, 2019, 14, 317-333.	3.3	42
131	Impact of cyclic hypoxia on HIFâ€1Î± regulation in endothelial cells â€“ new insights for antiâ€tumor treatments. FEBS Journal, 2009, 276, 509-518.	4.7	41
132	Identification of Cyclooxygenase-2 as a Major Actor of the Transcriptomic Adaptation of Endothelial and Tumor Cells to Cyclic Hypoxia: Effect on Angiogenesis and Metastases. Clinical Cancer Research, 2010, 16, 410-419.	7.0	41
133	Mapping of oxygen by imaging lipids relaxation enhancement: A potential sensitive endogenous MRI contrast to map variations in tissue oxygenation. Magnetic Resonance in Medicine, 2013, 70, 732-744.	3.0	41
134	Cycling hypoxia promotes a pro-inflammatory phenotype in macrophages via JNK/p65 signaling pathway. Scientific Reports, 2020, 10, 882.	3.3	41
135	Reciprocal epithelial:endothelial paracrine interactions during thyroid development govern follicular organization and C-cells differentiation. Developmental Biology, 2013, 381, 227-240.	2.0	40
136	Challenges and Opportunities in the Development of Serine Synthetic Pathway Inhibitors for Cancer Therapy. Journal of Medicinal Chemistry, 2017, 60, 1227-1237.	6.4	40
137	Changes in Hsp90 expression determine the effects of cyclosporine A on the NO pathway in rat myocardium. FEBS Letters, 2003, 552, 125-129.	2.8	39
138	Iodine Deficiency Induces a Thyroid Stimulating Hormone-Independent Early Phase of Microvascular Reshaping in the Thyroid. American Journal of Pathology, 2008, 172, 748-760.	3.8	39
139	Decrease in Tumor Cell Oxygen Consumption after Treatment with Vandetanib (ZACTIMAâ„¢; ZD6474) and its Effect on Response to Radiotherapy. Radiation Research, 2009, 172, 584-591.	1.5	39
140	Hellebrin and its aglycone form hellebrigenin display similar in vitro growth inhibitory effects in cancer cells and binding profiles to the alpha subunits of the Na+/K+-ATPase. Molecular Cancer, 2013, 12, 33.	19.2	39
141	Anti-alcohol abuse drug disulfiram inhibits human PHGDH via disruption of its active tetrameric form through a specific cysteine oxidation. Scientific Reports, 2019, 9, 4737.	3.3	39
142	Tumor-Penetrating Peptides: A Shift from Magic Bullets to Magic Guns. Science Translational Medicine, 2010, 2, 34ps26.	12.4	38
143	Synthesis of Novel Î²-Keto-Enol Derivatives Tethered Pyrazole, Pyridine and Furan as New Potential Antifungal and Anti-Breast Cancer Agents. Molecules, 2015, 20, 20186-20194.	3.8	38
144	The NLRP3 Inflammasome Has a Critical Role in Peritoneal Dialysis-Related Peritonitis. Journal of the American Society of Nephrology: JASN, 2017, 28, 2038-2052.	6.1	38

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145	Vitamin E-based micelles enhance the anticancer activity of doxorubicin. International Journal of Pharmaceutics, 2014, 476, 9-15.	5.2	37
146	The regulation of endothelial nitric oxide synthase by caveolin: a paradigm validated in vivo and shared by the â€˜endothelium-derived hyperpolarizing factorâ€™. Pflugers Archiv European Journal of Physiology, 2010, 459, 817-827.	2.8	36
147	Role of AMP-activated protein kinase in regulating hypoxic survival and proliferation of mesenchymal stem cells. Cardiovascular Research, 2014, 101, 20-29.	3.8	36
148	Action of the calcium channel blocker lacidipine on cardiac hypertrophy and endothelinâ€1 gene expression in strokeâ€prone hypertensive rats. British Journal of Pharmacology, 1996, 118, 659-664.	5.4	35
149	Liposomal Hsp90 cDNA induces neovascularization via nitric oxide in chronic ischemia. Cardiovascular Research, 2005, 65, 728-736.	3.8	33
150	Activated Macrophages as a Novel Determinant of Tumor Cell Radioresponse: The Role of Nitric Oxideâ€“Mediated Inhibition of Cellular Respiration and Oxygen Sparing. International Journal of Radiation Oncology Biology Physics, 2010, 76, 1520-1527.	0.8	33
151	Influence of Cell Detachment on the Respiration Rate of Tumor and Endothelial Cells. PLoS ONE, 2013, 8, e53324.	2.5	33
152	⁸⁹Zr-labeled anti-endoglin antibody-targeted gold nanoparticles for imaging cancer: implications for future cancer therapy. Nanomedicine, 2014, 9, 1923-1937.	3.3	33
153	Reversal of temporal and spatial heterogeneities in tumor perfusion identifies the tumor vascular tone as a tunable variable to improve drug delivery. Molecular Cancer Therapeutics, 2006, 5, 1620-1627.	4.1	32
154	Role of caveolin-1 in thyroid phenotype, cell homeostasis, and hormone synthesis: in vivo study of caveolin-1 knockout mice. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E438-E451.	3.5	32
155	Cycling Hypoxia Induces a Specific Amplified Inflammatory Phenotype in Endothelial Cells and Enhances Tumor-Promoting Inflammation In Vivo. Neoplasia, 2015, 17, 66-78.	5.3	32
156	Experimental diabetes induces functional and structural changes in the peritoneum. Kidney International, 2002, 62, 668-678.	5.2	31
157	Fusicoccin A, a Phytotoxic Carbotricyclic Diterpene Glucoside of Fungal Origin, Reduces Proliferation and Invasion of Glioblastoma Cells by Targeting Multiple Tyrosine Kinases. Translational Oncology, 2013, 6, 112-123.	3.7	31
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