

# Olivier Feron

## List of Publications by Year in descending order

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281  
papers

30,777  
citations

8732

75  
h-index

4870

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). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	To exploit the tumor microenvironment: Passive and active tumor targeting of nanocarriers for anti-cancer drug delivery. <i>Journal of Controlled Release</i> , 2010, 148, 135-146.	4.8	2,256
3	Targeting lactate-fueled respiration selectively kills hypoxic tumor cells in mice. <i>Journal of Clinical Investigation</i> , 2008, 118, 3930-42.	3.9	1,225
4	Nitric oxide synthases: which, where, how, and why?. <i>Journal of Clinical Investigation</i> , 1997, 100, 2146-2152.	3.9	851
5	Tumour acidosis: from the passenger to the driver's seat. <i>Nature Reviews Cancer</i> , 2017, 17, 577-593.	12.8	666
6	Lactate Influx through the Endothelial Cell Monocarboxylate Transporter MCT1 Supports an NF- $\kappa$ B/IL-8 Pathway that Drives Tumor Angiogenesis. <i>Cancer Research</i> , 2011, 71, 2550-2560.	0.4	637
7	Endothelial Nitric Oxide Synthase Targeting to Caveolae. <i>Journal of Biological Chemistry</i> , 1996, 271, 22810-22814.	1.6	624
8	Mice that Lack Endothelial Nitric Oxide Synthase Are Protected against Functional and Structural Modifications Induced by Acute Peritonitis. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 3205-3216.	3.0	573
9	Reciprocal Regulation of Endothelial Nitric-oxide Synthase by Ca <sup>2+</sup> -Calmodulin and Caveolin. <i>Journal of Biological Chemistry</i> , 1997, 272, 15583-15586.	1.6	526
10	Paclitaxel-loaded PEGylated PLGA-based nanoparticles: In vitro and in vivo evaluation. <i>Journal of Controlled Release</i> , 2009, 133, 11-17.	4.8	526
11	Nitric Oxide and Cardiac Function. <i>Circulation Research</i> , 2003, 93, 388-398.	2.0	518
12	A roadmap for interpreting <sup>13</sup> C metabolite labeling patterns from cells. <i>Current Opinion in Biotechnology</i> , 2015, 34, 189-201.	3.3	513
13	A Mitochondrial Switch Promotes Tumor Metastasis. <i>Cell Reports</i> , 2014, 8, 754-766.	2.9	478
14	Pyruvate into lactate and back: From the Warburg effect to symbiotic energy fuel exchange in cancer cells. <i>Radiotherapy and Oncology</i> , 2009, 92, 329-333.	0.3	463
15	Targeting the Lactate Transporter MCT1 in Endothelial Cells Inhibits Lactate-Induced HIF-1 Activation and Tumor Angiogenesis. <i>PLoS ONE</i> , 2012, 7, e33418.	1.1	412
16	Hydroxy-Methylglutaryl-Coenzyme A Reductase Inhibition Promotes Endothelial Nitric Oxide Synthase Activation Through a Decrease in Caveolin Abundance. <i>Circulation</i> , 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. <i>Physiological Reviews</i> , 2009, 89, 481-534.	13.1	388
18	Hypercholesterolemia decreases nitric oxide production by promoting the interaction of caveolin and endothelial nitric oxide synthase. <i>Journal of Clinical Investigation</i> , 1999, 103, 897-905.	3.9	350

#	ARTICLE	IF	CITATIONS
19	The Endothelial Nitric-oxide Synthase-Caveolin Regulatory Cycle. <i>Journal of Biological Chemistry</i> , 1998, 273, 3125-3128.	1.6	321
20	Targeting of tumor endothelium by RGD-grafted PLGA-nanoparticles loaded with Paclitaxel. <i>Journal of Controlled Release</i> , 2009, 140, 166-173.	4.8	313
21	Upregulation of $\beta_3$ -Adrenoceptors and Altered Contractile Response to Inotropic Amines in Human Failing Myocardium. <i>Circulation</i> , 2001, 103, 1649-1655.	1.6	300
22	Caveolin versus Calmodulin. <i>Journal of Biological Chemistry</i> , 1997, 272, 25907-25912.	1.6	272
23	Hsp90 and Caveolin Are Key Targets for the Proangiogenic Nitric Oxide-Mediated Effects of Statins. <i>Circulation Research</i> , 2001, 89, 866-873.	2.0	258
24	Dynamic Targeting of the Agonist-stimulated m2 Muscarinic Acetylcholine Receptor to Caveolae in Cardiac Myocytes. <i>Journal of Biological Chemistry</i> , 1997, 272, 17744-17748.	1.6	246
25	Lactate shuttles at a glance: from physiological paradigms to anti-cancer treatments. <i>DMM Disease Models and Mechanisms</i> , 2011, 4, 727-732.	1.2	245
26	Acidosis Drives the Reprogramming of Fatty Acid Metabolism in Cancer Cells through Changes in Mitochondrial and Histone Acetylation. <i>Cell Metabolism</i> , 2016, 24, 311-323.	7.2	244
27	Gut microbiota-derived propionate reduces cancer cell proliferation in the liver. <i>British Journal of Cancer</i> , 2012, 107, 1337-1344.	2.9	238
28	Lactate Activates HIF-1 in Oxidative but Not in Warburg-Phenotype Human Tumor Cells. <i>PLoS ONE</i> , 2012, 7, e46571.	1.1	204
29	Role of Caveolar Compartmentation in Endothelium-Derived Hyperpolarizing Factor-Mediated Relaxation. <i>Circulation</i> , 2008, 117, 1065-1074.	1.6	202
30	Endothelial $\beta_3$ -Adrenoreceptors Mediate Nitric Oxide-Dependent Vasorelaxation of Coronary Microvessels in Response to the Third-Generation $\beta_2$ -Blocker Nebivolol. <i>Circulation</i> , 2005, 112, 1198-1205.	1.6	195
31	Hsp90 Ensures the Transition from the Early Ca <sup>2+</sup> -dependent to the Late Phosphorylation-dependent Activation of the Endothelial Nitric-oxide Synthase in Vascular Endothelial Growth Factor-exposed Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 32663-32669.	1.6	192
32	Caveolin-1 Expression Is Critical for Vascular Endothelial Growth Factor-Induced Ischemic Hindlimb Collateralization and Nitric Oxide-Mediated Angiogenesis. <i>Circulation Research</i> , 2004, 95, 154-161.	2.0	191
33	Endothelial cell metabolism and tumour angiogenesis: glucose and glutamine as essential fuels and lactate as the driving force. <i>Journal of Internal Medicine</i> , 2013, 273, 156-165.	2.7	190
34	Peroxidation of n-3 and n-6 polyunsaturated fatty acids in the acidic tumor environment leads to ferroptosis-mediated anticancer effects. <i>Cell Metabolism</i> , 2021, 33, 1701-1715.e5.	7.2	189
35	TGF $\beta$ 2-induced formation of lipid droplets supports acidosis-driven EMT and the metastatic spreading of cancer cells. <i>Nature Communications</i> , 2020, 11, 454.	5.8	184
36	Lactate stimulates angiogenesis and accelerates the healing of superficial and ischemic wounds in mice. <i>Angiogenesis</i> , 2012, 15, 581-592.	3.7	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 Energy. <i>Journal of Immunology</i> , 2007, 178, 1505-1511.	0.4	176
38	Innate Immunity and Angiogenesis. <i>Circulation Research</i> , 2005, 96, 15-26.	2.0	175
39	Preconditioning of the Tumor Vasculature and Tumor Cells by Intermittent Hypoxia: Implications for Anticancer Therapies. <i>Cancer Research</i> , 2006, 66, 11736-11744.	0.4	175
40	Regulation of Monocarboxylate Transporter MCT1 Expression by p53 Mediates Inward and Outward Lactate Fluxes in Tumors. <i>Cancer Research</i> , 2012, 72, 939-948.	0.4	172
41	Rosuvastatin Decreases Caveolin-1 and Improves Nitric Oxide-Dependent Heart Rate and Blood Pressure Variability in Apolipoprotein E $\alpha^{-/-}$ Mice In Vivo. <i>Circulation</i> , 2003, 107, 2480-2486.	1.6	169
42	Modulation of the Endothelial Nitric-oxide Synthase-Caveolin Interaction in Cardiac Myocytes. <i>Journal of Biological Chemistry</i> , 1998, 273, 30249-30254.	1.6	166
43	Modifier effect of ENOS in autosomal dominant polycystic kidney disease. <i>Human Molecular Genetics</i> , 2002, 11, 229-241.	1.4	160
44	Cycling hypoxia: A key feature of the tumor microenvironment. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2016, 1866, 76-86.	3.3	150
45	Both host and graft vessels contribute to revascularization of xenografted human ovarian tissue in a murine model. <i>Fertility and Sterility</i> , 2010, 93, 1676-1685.	0.5	144
46	Irradiation-induced angiogenesis through the up-regulation of the nitric oxide pathway: implications for tumor radiotherapy. <i>Cancer Research</i> , 2003, 63, 1012-9.	0.4	142
47	The SIRT1/HIF2 $\alpha$ Axis Drives Reductive Glutamine Metabolism under Chronic Acidosis and Alters Tumor Response to Therapy. <i>Cancer Research</i> , 2014, 74, 5507-5519.	0.4	139
48	Caveolins and the regulation of endothelial nitric oxide synthase in the heart. <i>Cardiovascular Research</i> , 2006, 69, 788-797.	1.8	135
49	Dynamic Regulation of Endothelial Nitric Oxide Synthase: Complementary Roles of Dual Acylation and Caveolin Interactions. <i>Biochemistry</i> , 1998, 37, 193-200.	1.2	133
50	Muscarinic cholinergic regulation of cardiac myocyte I $\text{Ca}$ -L is absent in mice with targeted disruption of endothelial nitric oxide synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 6510-6515.	3.3	131
51	3D systems delivering VEGF to promote angiogenesis for tissue engineering. <i>Journal of Controlled Release</i> , 2011, 150, 272-278.	4.8	128
52	Mechanisms of pericyte recruitment in tumour angiogenesis: A new role for metalloproteinases. <i>European Journal of Cancer</i> , 2006, 42, 310-318.	1.3	124
53	Cancer cell metabolism and mitochondria: Nutrient plasticity for TCA cycle fueling. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017, 1868, 7-15.	3.3	124
54	Interruption of lactate uptake by inhibiting mitochondrial pyruvate transport unravels direct antitumor and radiosensitizing effects. <i>Nature Communications</i> , 2018, 9, 1208.	5.8	124

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55	Thalidomide radiosensitizes tumors through early changes in the tumor microenvironment. <i>Clinical Cancer Research</i> , 2005, 11, 743-50.	3.2	117
56	Differential regulation of nitric oxide synthases and their allosteric regulators in heart and vessels of hypertensive rats. <i>Cardiovascular Research</i> , 2003, 57, 456-467.	1.8	116
57	Arsenic Trioxide Treatment Decreases the Oxygen Consumption Rate of Tumor Cells and Radiosensitizes Solid Tumors. <i>Cancer Research</i> , 2012, 72, 482-490.	0.4	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. <i>Annals of Oncology</i> , 2012, 23, 2663-2670.	0.6	114
59	Heat Shock Protein 90 Transfection Reduces Ischemia-Reperfusion-Induced Myocardial Dysfunction via Reciprocal Endothelial NO Synthase Serine 1177 Phosphorylation and Threonine 495 Dephosphorylation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 1435-1441.	1.1	109
60	Ir-CPI, a coagulation contact phase inhibitor from the tick <i>Ixodes ricinus</i> , inhibits thrombus formation without impairing hemostasis. <i>Journal of Experimental Medicine</i> , 2009, 206, 2381-2395.	4.2	101
61	Cardiomyocyte-Restricted Overexpression of Endothelial Nitric Oxide Synthase ( NOS3 ) Attenuates $\beta^2$ -Adrenergic Stimulation and Reinforces Vagal Inhibition of Cardiac Contraction. <i>Circulation</i> , 2004, 110, 2666-2672.	1.6	94
62	Emerging roles of lipid metabolism in cancer progression. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2017, 20, 254-260.	1.3	91
63	Dynamin mediates caveolar sequestration of muscarinic cholinergic receptors and alteration in NO signaling. <i>EMBO Journal</i> , 2000, 19, 4272-4280.	3.5	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. <i>Cancer Research</i> , 2002, 62, 3555-61.	0.4	89
65	Antitumor Activity of 7-Aminocarboxycoumarin Derivatives, a New Class of Potent Inhibitors of Lactate Influx but Not Efflux. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 1410-1418.	1.9	88
66	Nitric oxide delivery to cancer: Why and how?. <i>European Journal of Cancer</i> , 2009, 45, 1352-1369.	1.3	87
67	Targeting tumor stroma and exploiting mature tumor vasculature to improve anti-cancer drug delivery. <i>Drug Resistance Updates</i> , 2007, 10, 109-120.	6.5	86
68	Intermittent hypoxia is an angiogenic inducer for endothelial cells: role of HIF-1. <i>Angiogenesis</i> , 2009, 12, 47-67.	3.7	86
69	Modulation of the tumor vasculature functionality by ionizing radiation accounts for tumor radiosensitization and promotes gene delivery. <i>FASEB Journal</i> , 2002, 16, 1979-1981.	0.2	84
70	Early reoxygenation in tumors after irradiation: Determining factors and consequences for radiotherapy regimens using daily multiple fractions. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 63, 901-910.	0.4	84
71	Comparison of methods for measuring oxygen consumption in tumor cells in vitro. <i>Analytical Biochemistry</i> , 2010, 396, 250-256.	1.1	84
72	Antibody-functionalized nanoparticles for imaging cancer: influence of conjugation to gold nanoparticles on the biodistribution of $^{89}\text{Zr}$ -labeled cetuximab in mice. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 402-408.	0.4	84

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73	The Caveolar Paradox: Suppressing, Inducing, and Terminating eNOS Signaling. <i>Circulation Research</i> , 2001, 88, 129-131.	2.0	81
74	Glucose deprivation increases monocarboxylate transporter 1 (MCT1) expression and MCT1-dependent tumor cell migration. <i>Oncogene</i> , 2014, 33, 4060-4068.	2.6	81
75	Exploring the Phototoxicity of Hypoxic Active Iridium(III)-Based Sensitizers in 3D Tumor Spheroids. <i>Journal of the American Chemical Society</i> , 2019, 141, 18486-18491.	6.6	80
76	Tumor Radiosensitization by Antiinflammatory Drugs: Evidence for a New Mechanism Involving the Oxygen Effect. <i>Cancer Research</i> , 2005, 65, 7911-7916.	0.4	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. <i>Journal of Controlled Release</i> , 2016, 223, 53-63.	4.8	79
78	Cancer heterogeneity is not compatible with one unique cancer cell metabolic map. <i>Oncogene</i> , 2017, 36, 2637-2642.	2.6	79
79	Nitric oxide as a radiosensitizer: Evidence for an intrinsic role in addition to its effect on oxygen delivery and consumption. <i>International Journal of Cancer</i> , 2004, 109, 768-773.	2.3	77
80	The action of calcium channel blockers on recombinant L-type calcium channel $\alpha_1$ -subunits. <i>British Journal of Pharmacology</i> , 1998, 125, 1005-1012.	2.7	75
81	Inhibition of PKC $\alpha$ and rhoA Translocation in Differentiated Smooth Muscle by a Caveolin Scaffolding Domain Peptide. <i>Experimental Cell Research</i> , 2000, 258, 72-81.	1.2	72
82	The role of vessel maturation and vessel functionality in spontaneous fluctuations of T2*-weighted GRE signal within tumors. <i>NMR in Biomedicine</i> , 2006, 19, 69-76.	1.6	72
83	Neuregulin Signaling in the Heart. <i>Circulation Research</i> , 1999, 84, 1380-1387.	2.0	71
84	Potential of cyclophosphamide chemotherapy using the anti-angiogenic drug thalidomide: Importance of optimal scheduling to exploit the "normalization" window of the tumor vasculature. <i>Cancer Letters</i> , 2006, 244, 129-135.	3.2	69
85	Hsp90 cleavage by an oxidative stress leads to its client proteins degradation and cancer cell death. <i>Biochemical Pharmacology</i> , 2009, 77, 375-383.	2.0	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. <i>British Journal of Cancer</i> , 2013, 109, 1586-1592.	2.9	68
87	Auranofin radiosensitizes tumor cells through targeting thioredoxin reductase and resulting overproduction of reactive oxygen species. <i>Oncotarget</i> , 2017, 8, 35728-35742.	0.8	68
88	The Double Regulation of Endothelial Nitric Oxide Synthase by Caveolae and Caveolin: A Paradox Solved Through the Study of Angiogenesis. <i>Trends in Cardiovascular Medicine</i> , 2005, 15, 157-162.	2.3	65
89	Galectin-1 in Melanoma Biology and Related Neo-Angiogenesis Processes. <i>Journal of Investigative Dermatology</i> , 2012, 132, 2245-2254.	0.3	64
90	Harnessing the Response to Tissue Hypoxia HIF-1 $\alpha$ and Therapeutic Angiogenesis. <i>Trends in Cardiovascular Medicine</i> , 2002, 12, 362-367.	2.3	61

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91	Botulinum toxin potentiates cancer radiotherapy and chemotherapy.. <i>Clinical Cancer Research</i> , 2006, 12, 1276-1283.	3.2	61
92	Intermittent hypoxia changes HIF-1 $\pm$ phosphorylation pattern in endothelial cells: Unravelling of a new PKA-dependent regulation of HIF-1 $\pm$ . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007, 1773, 1558-1571.	1.9	61
93	The association of N-palmitoylethanolamine with the FAAH inhibitor URB597 impairs melanoma growth through a supra-additive action. <i>BMC Cancer</i> , 2012, 12, 92.	1.1	61
94	Caveolin Plays a Central Role in Endothelial Progenitor Cell Mobilization and Homing in SDF-1 $\alpha$ -Driven Postischemic Vasculogenesis. <i>Circulation Research</i> , 2006, 98, 1219-1227.	2.0	60
95	Mechanism of Reoxygenation after Antiangiogenic Therapy Using SU5416 and Its Importance for Guiding Combined Antitumor Therapy. <i>Cancer Research</i> , 2006, 66, 9698-9704.	0.4	59
96	Hypoxia Modulates the Differentiation Potential of Stem Cells of the Apical Papilla. <i>Journal of Endodontics</i> , 2014, 40, 1410-1418.	1.4	59
97	Piperlongumine increases sensitivity of colorectal cancer cells to radiation: Involvement of ROS production via dual inhibition of glutathione and thioredoxin systems. <i>Cancer Letters</i> , 2019, 450, 42-52.	3.2	58
98	RhoA activation and interaction with Caveolin-1 are critical for pressure-induced myogenic tone in rat mesenteric resistance arteries. <i>Cardiovascular Research</i> , 2007, 73, 190-197.	1.8	56
99	Synthesis and pharmacological evaluation of coumarins as a new antitumor treatment targeting lactate transport in cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 7107-7117.	1.4	56
100	Endothelin-1 Is a Critical Mediator of Myogenic Tone in Tumor Arterioles. <i>Cancer Research</i> , 2004, 64, 3209-3214.	0.4	55
101	Cleaved Caspase-3 Transcriptionally Regulates Angiogenesis-Promoting Chemotherapy Resistance. <i>Cancer Research</i> , 2019, 79, 5958-5970.	0.4	55
102	Transport and Peripheral Bioactivities of Nitrogen Oxides Carried by Red Blood Cell Hemoglobin: Role in Oxygen Delivery. <i>Physiology</i> , 2007, 22, 97-112.	1.6	53
103	Reducing the serine availability complements the inhibition of the glutamine metabolism to block leukemia cell growth. <i>Oncotarget</i> , 2016, 7, 1765-1776.	0.8	53
104	Targeting the tumor vascular compartment to improve conventional cancer therapy. <i>Trends in Pharmacological Sciences</i> , 2004, 25, 536-542.	4.0	52
105	Bone Marrow Microenvironment and Tumor Progression. <i>Cancer Microenvironment</i> , 2008, 1, 23-35.	3.1	52
106	Moderate Caveolin-1 Downregulation Prevents NADPH Oxidase $\alpha$ -Dependent Endothelial Nitric Oxide Synthase Uncoupling by Angiotensin II in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2098-2105.	1.1	51
107	Antibody-functionalized polymer-coated gold nanoparticles targeting cancer cells: an in vitro and in vivo study. <i>Journal of Materials Chemistry</i> , 2012, 22, 21305.	6.7	51
108	Vascular endothelial growth factor $\alpha$ -loaded injectable hydrogel enhances plasticity in the injured spinal cord. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 2345-2355.	2.1	50

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109	Metabolic and mind shifts. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2015, 18, 346-353.	1.3	50
110	LET-dependent radiosensitization effects of gold nanoparticles for proton irradiation. <i>Nanotechnology</i> , 2016, 27, 455101.	1.3	50
111	Î±-Ketothioamide Derivatives: A Promising Tool to Interrogate Phosphoglycerate Dehydrogenase (PHGDH). <i>Journal of Medicinal Chemistry</i> , 2017, 60, 1591-1597.	2.9	50
112	Control of blood pressure variability in caveolin-1-deficient mice: role of nitric oxide identified in vivo through spectral analysis. <i>Cardiovascular Research</i> , 2008, 79, 527-536.	1.8	49
113	Vascular Hypoxic Preconditioning Relies on TRPV4-Dependent Calcium Influx and Proper Intercellular Gap Junctions Communication. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2241-2249.	1.1	49
114	Glucocorticoids Modulate Tumor Radiation Response through a Decrease in Tumor Oxygen Consumption. <i>Clinical Cancer Research</i> , 2007, 13, 630-635.	3.2	48
115	Intracellular siRNA delivery dynamics of integrin-targeted, PEGylated chitosan-poly(ethylene imine) hybrid nanoparticles: A mechanistic insight. <i>Journal of Controlled Release</i> , 2015, 211, 1-9.	4.8	48
116	Low Photosensitizer Dose and Early Radiotherapy Enhance Antitumor Immune Response of Photodynamic Therapy-Based Dendritic Cell Vaccination. <i>Frontiers in Oncology</i> , 2019, 9, 811.	1.3	47
117	VEGF 165 transfection decreases postischemic NF-κB-dependent myocardial reperfusion injury in vivo: role of eNOS phosphorylation. <i>FASEB Journal</i> , 2003, 17, 705-707.	0.2	46
118	Contribution of oxygenation to BOLD contrast in exercising muscle. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 391-396.	1.9	46
119	Targeting of Tumor Endothelium by RGD-Grafted PLGA-Nanoparticles. <i>Methods in Enzymology</i> , 2012, 508, 157-175.	0.4	46
120	The calcium channel blocker amlodipine promotes the unclamping of eNOS from caveolin in endothelial cells. <i>Cardiovascular Research</i> , 2006, 71, 478-485.	1.8	45
121	The Acidic Tumor Microenvironment Promotes the Reconversion of Nitrite into Nitric Oxide: Towards a New and Safe Radiosensitizing Strategy. <i>Clinical Cancer Research</i> , 2008, 14, 2768-2774.	3.2	45
122	Quantification of two splicing events in the L-type calcium channel alpha-1 subunit of intestinal smooth muscle and other tissues. <i>FEBS Journal</i> , 1994, 222, 195-202.	0.2	44
123	Regulation by cAMP of Post-translational Processing and Subcellular Targeting of Endothelial Nitric-oxide Synthase (Type 3) in Cardiac Myocytes. <i>Journal of Biological Chemistry</i> , 1997, 272, 11198-11204.	1.6	44
124	Caveolin-1 Is Critical for the Maturation of Tumor Blood Vessels through the Regulation of Both Endothelial Tube Formation and Mural Cell Recruitment. <i>American Journal of Pathology</i> , 2007, 171, 1619-1628.	1.9	44
125	Antitumor effects of in vivo caveolin gene delivery are associated with the inhibition of the proangiogenic and vasodilatory effects of nitric oxide. <i>FASEB Journal</i> , 2005, 19, 1-15.	0.2	43
126	Endothelial Nitric Oxide Synthase Overexpression Provides a Functionally Relevant Angiogenic Switch in Hibernating Pig Myocardium. <i>Journal of the American College of Cardiology</i> , 2007, 49, 1575-1584.	1.2	43



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127	Nitric oxide-mediated increase in tumor blood flow and oxygenation of tumors implanted in muscles stimulated by electric pulses. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003, 55, 1066-1073.	0.4	42
128	Molecular electron paramagnetic resonance imaging of melanin in melanomas: a proof-of-concept. <i>NMR in Biomedicine</i> , 2008, 21, 296-300.	1.6	42
129	The transcription factor GATA-1 is overexpressed in breast carcinomas and contributes to survivin upregulation via a promoter polymorphism. <i>Oncogene</i> , 2010, 29, 2577-2584.	2.6	42
130	Antibody immobilization on gold nanoparticles coated layer-by-layer with polyelectrolytes. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1573-1580.	0.8	42
131	Antibody-functionalized gold nanoparticles as tumor-targeting radiosensitizers for proton therapy. <i>Nanomedicine</i> , 2019, 14, 317-333.	1.7	42
132	Impact of cyclic hypoxia on HIF-1 $\alpha$ regulation in endothelial cells – new insights for anti-tumor treatments. <i>FEBS Journal</i> , 2009, 276, 509-518.	2.2	41
133	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. <i>Clinical Cancer Research</i> , 2010, 16, 410-419.	3.2	41
134	Mapping of oxygen by imaging lipids relaxation enhancement: A potential sensitive endogenous MRI contrast to map variations in tissue oxygenation. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 732-744.	1.9	41
135	Cycling hypoxia promotes a pro-inflammatory phenotype in macrophages via JNK/p65 signaling pathway. <i>Scientific Reports</i> , 2020, 10, 882.	1.6	41
136	Reciprocal epithelial:endothelial paracrine interactions during thyroid development govern follicular organization and C-cells differentiation. <i>Developmental Biology</i> , 2013, 381, 227-240.	0.9	40
137	Challenges and Opportunities in the Development of Serine Synthetic Pathway Inhibitors for Cancer Therapy. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 1227-1237.	2.9	40
138	Changes in Hsp90 expression determine the effects of cyclosporine A on the NO pathway in rat myocardium. <i>FEBS Letters</i> , 2003, 552, 125-129.	1.3	39
139	Iodine Deficiency Induces a Thyroid Stimulating Hormone-Independent Early Phase of Microvascular Reshaping in the Thyroid. <i>American Journal of Pathology</i> , 2008, 172, 748-760.	1.9	39
140	Decrease in Tumor Cell Oxygen Consumption after Treatment with Vandetanib (ZACTIMA $\text{®}$ ; ZD6474) and its Effect on Response to Radiotherapy. <i>Radiation Research</i> , 2009, 172, 584-591.	0.7	39
141	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 <sup>+</sup> /K <sup>+</sup> -ATPase. <i>Molecular Cancer</i> , 2013, 12, 33.	7.9	39
142	Anti-alcohol abuse drug disulfiram inhibits human PHGDH via disruption of its active tetrameric form through a specific cysteine oxidation. <i>Scientific Reports</i> , 2019, 9, 4737.	1.6	39
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