

Olivier Feron

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273
papers

25,182
citations

69
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154
g-index

286
ext. papers

28,104
ext. citations

7.2
avg, IF

6.96
L-index

#	Paper	IF	Citations
273	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
272	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, 135-46	11.7	1900
271	Targeting lactate-fueled respiration selectively kills hypoxic tumor cells in mice. <i>Journal of Clinical Investigation</i> , 2008 , 118, 3930-42	15.9	1019
270	Nitric oxide synthases: which, where, how, and why?. <i>Journal of Clinical Investigation</i> , 1997 , 100, 2146-52	15.9	744
269	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, 3205-16	12.7	560
268	Endothelial nitric oxide synthase targeting to caveolae. Specific interactions with caveolin isoforms in cardiac myocytes and endothelial cells. <i>Journal of Biological Chemistry</i> , 1996 , 271, 22810-4	5.4	537
267	Lactate influx through the endothelial cell monocarboxylate transporter MCT1 supports an NF- κ B/IL-8 pathway that drives tumor angiogenesis. <i>Cancer Research</i> , 2011 , 71, 2550-60	10.1	496
266	Nitric oxide and cardiac function: ten years after, and continuing. <i>Circulation Research</i> , 2003 , 93, 388-98	15.7	469
265	Paclitaxel-loaded PEGylated PLGA-based nanoparticles: in vitro and in vivo evaluation. <i>Journal of Controlled Release</i> , 2009 , 133, 11-7	11.7	464
264	Reciprocal regulation of endothelial nitric-oxide synthase by Ca ²⁺ -calmodulin and caveolin. <i>Journal of Biological Chemistry</i> , 1997 , 272, 15583-6	5.4	458
263	Tumour acidosis: from the passenger to the driver's seat. <i>Nature Reviews Cancer</i> , 2017 , 17, 577-593	31.3	419
262	Pyruvate into lactate and back: from the Warburg effect to symbiotic energy fuel exchange in cancer cells. <i>Radiotherapy and Oncology</i> , 2009 , 92, 329-33	5.3	383
261	A roadmap for interpreting (13)C metabolite labeling patterns from cells. <i>Current Opinion in Biotechnology</i> , 2015 , 34, 189-201	11.4	368
260	A mitochondrial switch promotes tumor metastasis. <i>Cell Reports</i> , 2014 , 8, 754-66	10.6	365
259	Hydroxy-methylglutaryl-coenzyme A reductase inhibition promotes endothelial nitric oxide synthase activation through a decrease in caveolin abundance. <i>Circulation</i> , 2001 , 103, 113-8	16.7	359
258	Targeting the lactate transporter MCT1 in endothelial cells inhibits lactate-induced HIF-1 activation and tumor angiogenesis. <i>PLoS ONE</i> , 2012 , 7, e33418	3.7	328
257	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	47.9	317

256	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	15.9	295
255	The endothelial nitric-oxide synthase-caveolin regulatory cycle. <i>Journal of Biological Chemistry</i> , 1998 , 273, 3125-8	5.4	292
254	Targeting of tumor endothelium by RGD-grafted PLGA-nanoparticles loaded with paclitaxel. <i>Journal of Controlled Release</i> , 2009 , 140, 166-73	11.7	278
253	Upregulation of beta(3)-adrenoceptors and altered contractile response to inotropic amines in human failing myocardium. <i>Circulation</i> , 2001 , 103, 1649-55	16.7	246
252	Caveolin versus calmodulin. Counterbalancing allosteric modulators of endothelial nitric oxide synthase. <i>Journal of Biological Chemistry</i> , 1997 , 272, 25907-12	5.4	240
251	Hsp90 and caveolin are key targets for the proangiogenic nitric oxide-mediated effects of statins. <i>Circulation Research</i> , 2001 , 89, 866-73	15.7	239
250	Dynamic targeting of the agonist-stimulated m2 muscarinic acetylcholine receptor to caveolae in cardiac myocytes. <i>Journal of Biological Chemistry</i> , 1997 , 272, 17744-8	5.4	221
249	Lactate shuttles at a glance: from physiological paradigms to anti-cancer treatments. <i>DMM Disease Models and Mechanisms</i> , 2011 , 4, 727-32	4.1	203
248	Gut microbiota-derived propionate reduces cancer cell proliferation in the liver. <i>British Journal of Cancer</i> , 2012 , 107, 1337-44	8.7	181
247	Role of caveolar compartmentation in endothelium-derived hyperpolarizing factor-mediated relaxation: Ca ²⁺ signals and gap junction function are regulated by caveolin in endothelial cells. <i>Circulation</i> , 2008 , 117, 1065-74	16.7	178
246	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, 154-61	15.7	173
245	Endothelial beta3-adrenoreceptors mediate nitric oxide-dependent vasorelaxation of coronary microvessels in response to the third-generation beta-blocker nebivolol. <i>Circulation</i> , 2005 , 112, 1198-205	16.7	171
244	Acidosis Drives the Reprogramming of Fatty Acid Metabolism in Cancer Cells through Changes in Mitochondrial and Histone Acetylation. <i>Cell Metabolism</i> , 2016 , 24, 311-23	24.6	167
243	Hsp90 ensures the transition from the early Ca ²⁺ -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, 32663-9	5.4	164
242	Lactate activates HIF-1 in oxidative but not in Warburg-phenotype human tumor cells. <i>PLoS ONE</i> , 2012 , 7, e46571	3.7	160
241	Preconditioning of the tumor vasculature and tumor cells by intermittent hypoxia: implications for anticancer therapies. <i>Cancer Research</i> , 2006 , 66, 11736-44	10.1	158
240	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, 156-65	10.8	155
239	Rosuvastatin decreases caveolin-1 and improves nitric oxide-dependent heart rate and blood pressure variability in apolipoprotein E ^{-/-} mice in vivo. <i>Circulation</i> , 2003 , 107, 2480-6	16.7	153

238	Innate immunity and angiogenesis. <i>Circulation Research</i> , 2005 , 96, 15-26	15.7	149
237	Modulation of the endothelial nitric-oxide synthase-caveolin interaction in cardiac myocytes. Implications for the autonomic regulation of heart rate. <i>Journal of Biological Chemistry</i> , 1998 , 273, 30249-54	5.4	142
236	Regulation of monocarboxylate transporter MCT1 expression by p53 mediates inward and outward lactate fluxes in tumors. <i>Cancer Research</i> , 2012 , 72, 939-48	10.1	141
235	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. <i>Journal of Immunology</i> , 2007 , 178, 1505-11	5.3	140
234	Modifier effect of ENOS in autosomal dominant polycystic kidney disease. <i>Human Molecular Genetics</i> , 2002 , 11, 229-41	5.6	134
233	Lactate stimulates angiogenesis and accelerates the healing of superficial and ischemic wounds in mice. <i>Angiogenesis</i> , 2012 , 15, 581-92	10.6	124
232	Dynamic regulation of endothelial nitric oxide synthase: complementary roles of dual acylation and caveolin interactions. <i>Biochemistry</i> , 1998 , 37, 193-200	3.2	122
231	Muscarinic cholinergic regulation of cardiac myocyte I _{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, 6510-5	11.5	122
230	Both host and graft vessels contribute to revascularization of xenografted human ovarian tissue in a murine model. <i>Fertility and Sterility</i> , 2010 , 93, 1676-85	4.8	121
229	Irradiation-induced angiogenesis through the up-regulation of the nitric oxide pathway: implications for tumor radiotherapy. <i>Cancer Research</i> , 2003 , 63, 1012-9	10.1	118
228	Caveolins and the regulation of endothelial nitric oxide synthase in the heart. <i>Cardiovascular Research</i> , 2006 , 69, 788-97	9.9	115
227	3D systems delivering VEGF to promote angiogenesis for tissue engineering. <i>Journal of Controlled Release</i> , 2011 , 150, 272-8	11.7	113
226	Mechanisms of pericyte recruitment in tumour angiogenesis: a new role for metalloproteinases. <i>European Journal of Cancer</i> , 2006 , 42, 310-8	7.5	112
225	Thalidomide radiosensitizes tumors through early changes in the tumor microenvironment. <i>Clinical Cancer Research</i> , 2005 , 11, 743-50	12.9	111
224	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	10.3	104
223	Cycling hypoxia: A key feature of the tumor microenvironment. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2016 , 1866, 76-86	11.2	103
222	Differential regulation of nitric oxide synthases and their allosteric regulators in heart and vessels of hypertensive rats. <i>Cardiovascular Research</i> , 2003 , 57, 456-67	9.9	100
221	Arsenic trioxide treatment decreases the oxygen consumption rate of tumor cells and radiosensitizes solid tumors. <i>Cancer Research</i> , 2012 , 72, 482-90	10.1	96

220	The SIRT1/HIF2 α axis drives reductive glutamine metabolism under chronic acidosis and alters tumor response to therapy. <i>Cancer Research</i> , 2014 , 74, 5507-19	10.1	95
219	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, 1435-41	9.4	93
218	Cardiomyocyte-restricted overexpression of endothelial nitric oxide synthase (NOS3) attenuates beta-adrenergic stimulation and reinforces vagal inhibition of cardiac contraction. <i>Circulation</i> , 2004 , 110, 2666-72	16.7	85
217	Cancer cell metabolism and mitochondria: Nutrient plasticity for TCA cycle fueling. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017 , 1868, 7-15	11.2	80
216	Dynamin mediates caveolar sequestration of muscarinic cholinergic receptors and alteration in NO signaling. <i>EMBO Journal</i> , 2000 , 19, 4272-80	13	79
215	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, 2381-95	16.6	78
214	TGF β 2-induced formation of lipid droplets supports acidosis-driven EMT and the metastatic spreading of cancer cells. <i>Nature Communications</i> , 2020 , 11, 454	17.4	77
213	Antibody-functionalized nanoparticles for imaging cancer: influence of conjugation to gold nanoparticles on the biodistribution of 89Zr-labeled cetuximab in mice. <i>Contrast Media and Molecular Imaging</i> , 2013 , 8, 402-8	3.2	76
212	Modulation of the tumor vasculature functionality by ionizing radiation accounts for tumor radiosensitization and promotes gene delivery. <i>FASEB Journal</i> , 2002 , 16, 1979-81	0.9	76
211	Targeting tumor stroma and exploiting mature tumor vasculature to improve anti-cancer drug delivery. <i>Drug Resistance Updates</i> , 2007 , 10, 109-20	23.2	75
210	The caveolar paradox: suppressing, inducing, and terminating eNOS signaling. <i>Circulation Research</i> , 2001 , 88, 129-31	15.7	74
209	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	10.1	74
208	Intermittent hypoxia is an angiogenic inducer for endothelial cells: role of HIF-1. <i>Angiogenesis</i> , 2009 , 12, 47-67	10.6	71
207	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, 901-10	4	71
206	Interruption of lactate uptake by inhibiting mitochondrial pyruvate transport unravels direct antitumor and radiosensitizing effects. <i>Nature Communications</i> , 2018 , 9, 1208	17.4	70
205	Nitric oxide delivery to cancer: why and how?. <i>European Journal of Cancer</i> , 2009 , 45, 1352-69	7.5	70
204	Tumor radiosensitization by antiinflammatory drugs: evidence for a new mechanism involving the oxygen effect. <i>Cancer Research</i> , 2005 , 65, 7911-6	10.1	68
203	Inhibition of PKC α and rhoA translocation in differentiated smooth muscle by a caveolin scaffolding domain peptide. <i>Experimental Cell Research</i> , 2000 , 258, 72-81	4.2	68

202	Glucose deprivation increases monocarboxylate transporter 1 (MCT1) expression and MCT1-dependent tumor cell migration. <i>Oncogene</i> , 2014 , 33, 4060-8	9.2	67
201	Comparison of methods for measuring oxygen consumption in tumor cells in vitro. <i>Analytical Biochemistry</i> , 2010 , 396, 250-6	3.1	67
200	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, 768-73	7.5	67
199	Neuregulin signaling in the heart. Dynamic targeting of erbB4 to caveolar microdomains in cardiac myocytes. <i>Circulation Research</i> , 1999 , 84, 1380-7	15.7	66
198	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	4.4	65
197	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	11.7	63
196	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, 1410-8	6.1	63
195	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, 1586-92	8.7	63
194	The action of calcium channel blockers on recombinant L-type calcium channel alpha1-subunits. <i>British Journal of Pharmacology</i> , 1998 , 125, 1005-12	8.6	62
193	Hsp90 cleavage by an oxidative stress leads to its client proteins degradation and cancer cell death. <i>Biochemical Pharmacology</i> , 2009 , 77, 375-83	6	60
192	Cancer heterogeneity is not compatible with one unique cancer cell metabolic map. <i>Oncogene</i> , 2017 , 36, 2637-2642	9.2	59
191	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, 157-62	6.9	59
190	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, 129-35	9.9	58
189	Caveolin plays a central role in endothelial progenitor cell mobilization and homing in SDF-1-driven postischemic vasculogenesis. <i>Circulation Research</i> , 2006 , 98, 1219-27	15.7	57
188	Emerging roles of lipid metabolism in cancer progression. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2017 , 20, 254-260	3.8	56
187	Galectin-1 in melanoma biology and related neo-angiogenesis processes. <i>Journal of Investigative Dermatology</i> , 2012 , 132, 2245-54	4.3	56
186	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, 190-7	9.9	53
185	Auranofin radiosensitizes tumor cells through targeting thioredoxin reductase and resulting overproduction of reactive oxygen species. <i>Oncotarget</i> , 2017 , 8, 35728-35742	3.3	53

184	Mechanism of reoxygenation after antiangiogenic therapy using SU5416 and its importance for guiding combined antitumor therapy. <i>Cancer Research</i> , 2006 , 66, 9698-704	10.1	52
183	Harnessing the response to tissue hypoxia: HIF-1 alpha and therapeutic angiogenesis. <i>Trends in Cardiovascular Medicine</i> , 2002 , 12, 362-7	6.9	52
182	Botulinum toxin potentiates cancer radiotherapy and chemotherapy. <i>Clinical Cancer Research</i> , 2006 , 12, 1276-83	12.9	51
181	Bone marrow microenvironment and tumor progression. <i>Cancer Microenvironment</i> , 2008 , 1, 23-35	6.1	50
180	Endothelin-1 is a critical mediator of myogenic tone in tumor arterioles: implications for cancer treatment. <i>Cancer Research</i> , 2004 , 64, 3209-14	10.1	50
179	Intermittent hypoxia changes HIF-1alpha phosphorylation pattern in endothelial cells: unravelling of a new PKA-dependent regulation of HIF-1alpha. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007 , 1773, 1558-71	4.9	48
178	Targeting the tumor vascular compartment to improve conventional cancer therapy. <i>Trends in Pharmacological Sciences</i> , 2004 , 25, 536-42	13.2	48
177	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	16.4	47
176	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		46
175	Hypoxia modulates the differentiation potential of stem cells of the apical papilla. <i>Journal of Endodontics</i> , 2014 , 40, 1410-8	4.7	45
174	Moderate caveolin-1 downregulation prevents NADPH oxidase-dependent endothelial nitric oxide synthase uncoupling by angiotensin II in endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 2098-105	9.4	45
173	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, 527-36	9.9	45
172	VEGF165 transfection decreases postischemic NF-kappa B-dependent myocardial reperfusion injury in vivo: role of eNOS phosphorylation. <i>FASEB Journal</i> , 2003 , 17, 705-7	0.9	45
171	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	4.8	44
170	Transport and peripheral bioactivities of nitrogen oxides carried by red blood cell hemoglobin: role in oxygen delivery. <i>Physiology</i> , 2007 , 22, 97-112	9.8	44
169	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, 1619-28 ⁸		43
168	Contribution of oxygenation to BOLD contrast in exercising muscle. <i>Magnetic Resonance in Medicine</i> , 2004 , 52, 391-6	4.4	43
167	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	11.7	42

166	Synthesis and pharmacological evaluation of carboxycoumarins as a new antitumor treatment targeting lactate transport in cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 7107-17	3.4	42
165	Vascular hypoxic preconditioning relies on TRPV4-dependent calcium influx and proper intercellular gap junctions communication. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 2241-9	9.4	42
164	Glucocorticoids modulate tumor radiation response through a decrease in tumor oxygen consumption. <i>Clinical Cancer Research</i> , 2007 , 13, 630-5	12.9	41
163	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, 2768-74	12.9	40
162	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, 1575-84	15.1	40
161	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, 1066-73	4	40
160	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	24.6	40
159	Targeting of tumor endothelium by RGD-grafted PLGA-nanoparticles. <i>Methods in Enzymology</i> , 2012 , 508, 157-75	1.7	39
158	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, 602-4	0.9	39
157	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		39
156	The transcription factor GATA-1 is overexpressed in breast carcinomas and contributes to survivin upregulation via a promoter polymorphism. <i>Oncogene</i> , 2010 , 29, 2577-84	9.2	38
155	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, 11198-204	5.4	38
154	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	9.9	38
153	Vascular endothelial growth factor-loaded injectable hydrogel enhances plasticity in the injured spinal cord. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 2345-55	5.4	37
152	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, 732-44	4.4	37
151	Antibody immobilization on gold nanoparticles coated layer-by-layer with polyelectrolytes. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 1573-1580	2.3	37
150	Molecular electron paramagnetic resonance imaging of melanin in melanomas: a proof-of-concept. <i>NMR in Biomedicine</i> , 2008 , 21, 296-300	4.4	37
149	The calcium channel blocker amlodipine promotes the unclamping of eNOS from caveolin in endothelial cells. <i>Cardiovascular Research</i> , 2006 , 71, 478-85	9.9	37

148	Reducing the serine availability complements the inhibition of the glutamine metabolism to block leukemia cell growth. <i>Oncotarget</i> , 2016 , 7, 1765-76	3.3	37
147	LET-dependent radiosensitization effects of gold nanoparticles for proton irradiation. <i>Nanotechnology</i> , 2016 , 27, 455101	3.4	37
146	β-Ketothioamide Derivatives: A Promising Tool to Interrogate Phosphoglycerate Dehydrogenase (PHGDH). <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 1591-1597	8.3	36
145	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, 410-9	12.9	36
144	Metabolic and mind shifts: from glucose to glutamine and acetate addictions in cancer. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2015 , 18, 346-53	3.8	35
143	Impact of cyclic hypoxia on HIF-1α regulation in endothelial cells--new insights for anti-tumor treatments. <i>FEBS Journal</i> , 2009 , 276, 509-18	5.7	35
142	Action of the calcium channel blocker lacidipine on cardiac hypertrophy and endothelin-1 gene expression in stroke-prone hypertensive rats. <i>British Journal of Pharmacology</i> , 1996 , 118, 659-64	8.6	35
141	Iodine deficiency induces a thyroid stimulating hormone-independent early phase of microvascular reshaping in the thyroid. <i>American Journal of Pathology</i> , 2008 , 172, 748-60	5.8	34
140	Tumor-penetrating peptides: a shift from magic bullets to magic guns. <i>Science Translational Medicine</i> , 2010 , 2, 34ps26	17.5	33
139	Decrease in tumor cell oxygen consumption after treatment with vandetanib (ZACTIMA; ZD6474) and its effect on response to radiotherapy. <i>Radiation Research</i> , 2009 , 172, 584-91	3.1	33
138	Changes in Hsp90 expression determine the effects of cyclosporine A on the NO pathway in rat myocardium. <i>FEBS Letters</i> , 2003 , 552, 125-9	3.8	33
137	Role of AMP-activated protein kinase in regulating hypoxic survival and proliferation of mesenchymal stem cells. <i>Cardiovascular Research</i> , 2014 , 101, 20-9	9.9	32
136	Hellebrin and its aglycone form hellebrigenin display similar in vitro growth inhibitory effects in cancer cells and binding profiles to the α subunits of the Na ⁺ /K ⁺ -ATPase. <i>Molecular Cancer</i> , 2013 , 12, 33	42.1	32
135	The regulation of endothelial nitric oxide synthase by caveolin: a paradigm validated in vivo and shared by the endothelium-derived hyperpolarizing factor. <i>Pflugers Archiv European Journal of Physiology</i> , 2010 , 459, 817-27	4.6	32
134	Challenges and Opportunities in the Development of Serine Synthetic Pathway Inhibitors for Cancer Therapy. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 1227-1237	8.3	31
133	Vitamin E-based micelles enhance the anticancer activity of doxorubicin. <i>International Journal of Pharmaceutics</i> , 2014 , 476, 9-15	6.5	31
132	Reciprocal epithelial:endothelial paracrine interactions during thyroid development govern follicular organization and C-cells differentiation. <i>Developmental Biology</i> , 2013 , 381, 227-40	3.1	31
131	Antibody-functionalized gold nanoparticles as tumor-targeting radiosensitizers for proton therapy. <i>Nanomedicine</i> , 2019 , 14, 317-333	5.6	30

130	(89)Zr-labeled anti-endoglin antibody-targeted gold nanoparticles for imaging cancer: implications for future cancer therapy. <i>Nanomedicine</i> , 2014 , 9, 1923-37	5.6	29
129	Activated macrophages as a novel determinant of tumor cell radioresponse: the role of nitric oxide-mediated inhibition of cellular respiration and oxygen sparing. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, 1520-7	4	29
128	Experimental diabetes induces functional and structural changes in the peritoneum. <i>Kidney International</i> , 2002 , 62, 668-78	9.9	29
127	Reversal of temporal and spatial heterogeneities in tumor perfusion identifies the tumor vascular tone as a tunable variable to improve drug delivery. <i>Molecular Cancer Therapeutics</i> , 2006 , 5, 1620-7	6.1	28
126	Hypercholesterolemia in rats induces podocyte stress and decreases renal cortical nitric oxide synthesis via an angiotensin II type 1 receptor-sensitive mechanism. <i>Journal of the American Society of Nephrology: JASN</i> , 2004 , 15, 949-57	12.7	28
125	Liposomal Hsp90 cDNA induces neovascularization via nitric oxide in chronic ischemia. <i>Cardiovascular Research</i> , 2005 , 65, 728-36	9.9	28
124	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	4.9	27
123	Synthesis of Novel β -Keto-Enol Derivatives Tethered Pyrazole, Pyridine and Furan as New Potential Antifungal and Anti-Breast Cancer Agents. <i>Molecules</i> , 2015 , 20, 20186-94	4.8	27
122	Influence of cell detachment on the respiration rate of tumor and endothelial cells. <i>PLoS ONE</i> , 2013 , 8, e53324	3.7	27
121	Cycling hypoxia promotes a pro-inflammatory phenotype in macrophages via JNK/p65 signaling pathway. <i>Scientific Reports</i> , 2020 , 10, 882	4.9	26
120	Cycling hypoxia induces a specific amplified inflammatory phenotype in endothelial cells and enhances tumor-promoting inflammation in vivo. <i>Neoplasia</i> , 2015 , 17, 66-78	6.4	25
119	Antitumoral and antimetastatic effect of antiangiogenic plasmids in B16 melanoma: Higher efficiency of the recombinant disintegrin domain of ADAM 15. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011 , 78, 314-9	5.7	25
118	Role of caveolin-1 in thyroid phenotype, cell homeostasis, and hormone synthesis: in vivo study of caveolin-1 knockout mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 297, E438-51	6	25
117	Analysis of the Gas Phase by In Situ FTIR Spectrometry and Mass Spectrometry During the CVD of Pyrocarbon from Propane. <i>Chemical Vapor Deposition</i> , 1999 , 5, 37-47		25
116	Reprogramming of tumor metabolism by targeting mitochondria improves tumor response to irradiation. <i>Acta Oncologica</i> , 2015 , 54, 266-74	3.2	24
115	Nitric oxide synthase isoforms play distinct roles during acute peritonitis. <i>Nephrology Dialysis Transplantation</i> , 2010 , 25, 86-96	4.3	24
114	Iron oxide particles covered with hexapeptides targeted at phosphatidylserine as MR biomarkers of tumor cell death. <i>Contrast Media and Molecular Imaging</i> , 2010 , 5, 258-67	3.2	24
113	Interaction of pinaverium (a quaternary ammonium compound) with 1,4-dihydropyridine binding sites in rat ileum smooth muscle. <i>British Journal of Pharmacology</i> , 1992 , 105, 480-4	8.6	24

112	The NLRP3 Inflammasome Has a Critical Role in Peritoneal Dialysis-Related Peritonitis. <i>Journal of the American Society of Nephrology: JASN</i> , 2017 , 28, 2038-2052	12.7	23
111	A new ER-specific photosensitizer unravels (1)O ₂ -driven protein oxidation and inhibition of deubiquitinases as a generic mechanism for cancer PDT. <i>Oncogene</i> , 2016 , 35, 3976-85	9.2	23
110	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	5.3	23
109	Fusicoccin a, a phytotoxic carbocyclic diterpene glucoside of fungal origin, reduces proliferation and invasion of glioblastoma cells by targeting multiple tyrosine kinases. <i>Translational Oncology</i> , 2013 , 6, 112-23	4.9	22
108	Muscarinic cholinergic signaling in cardiac myocytes: dynamic targeting of M2AChR to sarcolemmal caveolae and eNOS activation. <i>Life Sciences</i> , 1999 , 64, 471-7	6.8	22
107	Influence of salt loading on the cardiac and renal preproendothelin-1 mRNA expression in stroke-prone spontaneously hypertensive rats. <i>Biochemical and Biophysical Research Communications</i> , 1995 , 209, 161-6	3.4	22
106	Metallic nanoparticles irradiated by low-energy protons for radiation therapy: Are there significant physical effects to enhance the dose delivery?. <i>Medical Physics</i> , 2017 , 44, 4299-4312	4.4	21
105	Cleaved Caspase-3 Transcriptionally Regulates Angiogenesis-Promoting Chemotherapy Resistance. <i>Cancer Research</i> , 2019 , 79, 5958-5970	10.1	21
104	Surface properties and cell adhesion onto allylamine-plasma and amine-plasma coated glass coverslips. <i>Journal of Materials Science: Materials in Medicine</i> , 2011 , 22, 671-82	4.5	21
103	Tumour hypoxia determines the potential of combining mTOR and autophagy inhibitors to treat mammary tumours. <i>British Journal of Cancer</i> , 2013 , 109, 2597-606	8.7	20
102	Delivery of soluble VEGF receptor 1 (sFlt1) by gene electrotransfer as a new antiangiogenic cancer therapy. <i>Molecular Pharmaceutics</i> , 2011 , 8, 701-8	5.6	20
101	NDRG1 and CRK-I/II are regulators of endothelial cell migration under Intermittent Hypoxia. <i>Angiogenesis</i> , 2009 , 12, 339-54	10.6	20
100	Optimized acriflavine-loaded lipid nanocapsules as a safe and effective delivery system to treat breast cancer. <i>International Journal of Pharmaceutics</i> , 2018 , 551, 322-328	6.5	20
99	Comparison of X-ray and alpha particle effects on a human cancer and endothelial cells: survival curves and gene expression profiles. <i>Radiotherapy and Oncology</i> , 2013 , 106, 397-403	5.3	19
98	Carbon nanoparticles synthesized by sputtering and gas condensation inside a nanocluster source of fixed dimension. <i>Surface and Coatings Technology</i> , 2011 , 205, S577-S581	4.4	19
97	PVD Synthesis and Transfer into Water-Based Solutions of Functionalized Gold Nanoparticles. <i>Plasma Processes and Polymers</i> , 2009 , 6, S888-S892	3.4	19
96	Thyroid status is a key modulator of tumor oxygenation: implication for radiation therapy. <i>Radiation Research</i> , 2007 , 168, 428-32	3.1	19
95	Electron paramagnetic resonance as a sensitive tool to assess the iron oxide content in cells for MRI cell labeling studies. <i>Contrast Media and Molecular Imaging</i> , 2012 , 7, 302-7	3.2	18

94	Irradiation promotes Akt-targeting therapeutic gene delivery to the tumor vasculature. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 67, 1155-62	4	18
93	¹⁹ F NMR in vivo spectroscopy reflects the effectiveness of perfusion-enhancing vascular modifiers for improving gemcitabine chemotherapy. <i>Magnetic Resonance in Medicine</i> , 2008 , 59, 19-27	4.4	18
92	The ins and outs of caveolar signaling. m2 muscarinic cholinergic receptors and eNOS activation versus neuregulin and ErbB4 signaling in cardiac myocytes. <i>Annals of the New York Academy of Sciences</i> , 1999 , 874, 11-9	6.5	18
91	Antidiabetic Biguanides Radiosensitize Hypoxic Colorectal Cancer Cells Through a Decrease in Oxygen Consumption. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1073	5.6	18
90	Radioimmunotherapy with radioactive nanoparticles: biological doses and treatment efficiency for vascularized tumors with or without a central hypoxic area. <i>Medical Physics</i> , 2010 , 37, 1826-39	4.4	17
89	Intracellular localization and activation of endothelial nitric oxide synthase. <i>Current Opinion in Nephrology and Hypertension</i> , 1999 , 8, 55-9	3.5	17
88	Re-Evaluating the Mechanism of Action of α -Unsaturated Carbonyl DUB Inhibitors b-AP15 and VLX1570: A Paradigmatic Example of Unspecific Protein Cross-linking with Michael Acceptor Motif-Containing Drugs. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 3756-3762	8.3	16
87	Multimodal assessment of early tumor response to chemotherapy: comparison between diffusion-weighted MRI, ¹ H-MR spectroscopy of choline and USPIO particles targeted at cell death. <i>NMR in Biomedicine</i> , 2012 , 25, 514-22	4.4	16
86	Radioimmunotherapy with radioactive nanoparticles: first results of dosimetry for vascularized and necrosed solid tumors. <i>Medical Physics</i> , 2007 , 34, 4504-13	4.4	16
85	Inhibition by lacidipine of salt-dependent cardiac hypertrophy and endothelin gene expression in stroke-prone spontaneously hypertensive rats. <i>Biochemical and Biophysical Research Communications</i> , 1995 , 210, 219-24	3.4	16
84	Tridentate bipyrazole compounds with a side-arm as a new class of antitumor agents. <i>Research on Chemical Intermediates</i> , 2014 , 40, 681-687	2.8	15
83	Tumor reoxygenation following administration of Mitogen-Activated Protein Kinase inhibitors: a rationale for combination with radiation therapy. <i>Radiotherapy and Oncology</i> , 2012 , 105, 64-71	5.3	15
82	Differential influence of anticancer treatments and angiogenesis on the seric titer of autoantibody used as tumor and metastasis biomarker. <i>Neoplasia</i> , 2010 , 12, 562-70	6.4	15
81	Inhibition of glucose metabolism prevents glycosylation of the glutamine transporter ASCT2 and promotes compensatory LAT1 upregulation in leukemia cells. <i>Oncotarget</i> , 2016 , 7, 46371-46383	3.3	15
80	Therapeutic Potential of Focal Adhesion Kinase Inhibition in Small Cell Lung Cancer. <i>Molecular Cancer Therapeutics</i> , 2019 , 18, 17-27	6.1	15
79	Reprogramming of Energy Metabolism: Increased Expression and Roles of Pyruvate Carboxylase in Papillary Thyroid Cancer. <i>Thyroid</i> , 2019 , 29, 845-857	6.2	14
78	Photodynamic Therapy-Based Dendritic Cell Vaccination Suited to Treat Peritoneal Mesothelioma. <i>Cancers</i> , 2020 , 12,	6.6	14
77	Chemical reactivity of plasma polymerized allylamine (PPAA) thin films on Au and Si: Study of the thickness influence and aging of the films. <i>Surface and Coatings Technology</i> , 2011 , 205, S462-S465	4.4	14

76	Bayesian approach to change points detection in time series. <i>International Journal of Imaging Systems and Technology</i> , 2006 , 16, 215-221	2.5	14
75	Thyroid status and postnatal changes in subsarcolemmal distribution and isoform expression of rat cardiac dihydropyridine receptors. <i>Cardiovascular Research</i> , 1998 , 37, 151-9	9.9	14
74	Multimodal cell tracking of a spontaneous metastasis model: comparison between MRI, electron paramagnetic resonance and bioluminescence. <i>Contrast Media and Molecular Imaging</i> , 2014 , 9, 143-53	3.2	13
73	Production and preliminary characterization of DC plasma polymerized allylamine film (PPAA) by NRA, ERD and XPS. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008 , 266, 2494-2497	1.2	13
72	Kinetics of GaAs Metalorganic Chemical Vapor Deposition Studied by Numerical Analysis Based on Experimental Reaction Data. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, 1642-1649	1.4	13
71	Endothelial nitric oxide synthase expression and its functionality. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 1999 , 2, 291-6	3.8	13
70	Assessment of melanoma extent and melanoma metastases invasion using electron paramagnetic resonance and bioluminescence imaging. <i>Contrast Media and Molecular Imaging</i> , 2011 , 6, 282-8	3.2	12
69	Vascular caveolin deficiency supports the angiogenic effects of nitrite, a major end product of nitric oxide metabolism in tumors. <i>Molecular Cancer Research</i> , 2009 , 7, 1056-63	6.6	12
68	Gaining respectability: membrane-delimited, caveolar-restricted activation of ion channels. <i>Circulation Research</i> , 2002 , 90, 369-70	15.7	12
67	Biodistribution of (125)I-labeled anti-endoglin antibody using SPECT/CT imaging: Impact of in vivo deiodination on tumor accumulation in mice. <i>Nuclear Medicine and Biology</i> , 2016 , 43, 415-23	2.1	12
66	High field magnetic resonance imaging of rodents in cardiovascular research. <i>Basic Research in Cardiology</i> , 2016 , 111, 46	11.8	11
65	Potentiation of radiotherapy by a localized antiangiogenic gene therapy. <i>Radiotherapy and Oncology</i> , 2013 , 107, 252-8	5.3	11
64	A generic cycling hypoxia-derived prognostic gene signature: application to breast cancer profiling. <i>Oncotarget</i> , 2014 , 5, 6947-63	3.3	11
63	Acidosis-induced metabolic reprogramming in tumor cells enhances the anti-proliferative activity of the PDK inhibitor dichloroacetate. <i>Cancer Letters</i> , 2020 , 470, 18-28	9.9	11
62	Hypoxia integration in the serological proteome analysis unmask tumor antigens and fosters the identification of anti-phospho-eEF2 antibodies as potential cancer biomarkers. <i>PLoS ONE</i> , 2013 , 8, e76508	3.7	10
61	Preconditioned endothelial progenitor cells reduce formation of melanoma metastases through SPARC-driven cell-cell interactions and endocytosis. <i>Cancer Research</i> , 2011 , 71, 4748-57	10.1	10
60	Regulation of the L-type calcium channel alpha-1 subunit by chronic depolarization in the neuron-like PC12 and aortic smooth muscle A7r5 cell lines. <i>Pflugers Archiv European Journal of Physiology</i> , 1995 , 430, 323-32	4.6	10
59	Acidosis-Induced TGF- β Production Promotes Lipid Droplet Formation in Dendritic Cells and Alters Their Potential to Support Anti-Mesothelioma T Cell Response. <i>Cancers</i> , 2020 , 12,	6.6	10

58	Multimodality Imaging Identifies Distinct Metabolic Profiles In Vitro and In Vivo. <i>Neoplasia</i> , 2016 , 18, 742-752	6.4	10
57	Cytotoxic activities and metabolic studies of new combretastatin analogues. <i>Medicinal Chemistry Research</i> , 2015 , 24, 3143-3156	2.2	9
56	A new method combining sequential immunoaffinity depletion and differential in gel electrophoresis to identify autoantibodies as cancer biomarkers. <i>Journal of Immunological Methods</i> , 2013 , 396, 23-32	2.5	9
55	Structure-Activity Relationships (SARs) of α -Ketothioamides as Inhibitors of Phosphoglycerate Dehydrogenase (PHGDH). <i>Pharmaceuticals</i> , 2020 , 13,	5.2	8
54	Dynamic contrast-enhanced MRI in mouse tumors at 11.7 T: comparison of three contrast agents with different molecular weights to assess the early effects of combretastatin A4. <i>NMR in Biomedicine</i> , 2014 , 27, 1403-12	4.4	8
53	Ffar2 expression regulates leukaemic cell growth in vivo. <i>British Journal of Cancer</i> , 2017 , 117, 1336-1340	8.7	8
52	The increase in tumor oxygenation under carbogen breathing induces a decrease in the uptake of [(18)F]-fluoro-deoxy-glucose. <i>Radiotherapy and Oncology</i> , 2015 , 116, 400-3	5.3	8
51	Variability of Mouse Left Ventricular Function Assessment by 11.7 Tesla MRI. <i>Journal of Cardiovascular Translational Research</i> , 2015 , 8, 362-71	3.3	8
50	Multimodal imaging of tumor response to sorafenib combined with radiation therapy: comparison between diffusion-weighted MRI, choline spectroscopy and 18F-FLT PET imaging. <i>Contrast Media and Molecular Imaging</i> , 2013 , 8, 274-80	3.2	8
49	(Invited) Selective Epitaxial Growth of III-V Semiconductor Heterostructures on Si Substrates for Logic Applications. <i>ECS Transactions</i> , 2010 , 33, 933-939	1	8
48	Dnmt3a-mediated inhibition of Wnt in cardiac progenitor cells improves differentiation and remote remodeling after infarction. <i>JCI Insight</i> , 2017 , 2,	9.9	8
47	Preclinical Evaluation of White Led-Activated Non-porphyrinic Photosensitizer OR141 in 3D Tumor Spheroids and Mouse Skin Lesions. <i>Frontiers in Oncology</i> , 2018 , 8, 393	5.3	8
46	In vivo visualization and ex vivo quantification of murine breast cancer cells in the mouse brain using MRI cell tracking and electron paramagnetic resonance. <i>NMR in Biomedicine</i> , 2015 , 28, 367-75	4.4	7
45	Gradient Scan Gibbs Sampler: An Efficient Algorithm for High-Dimensional Gaussian Distributions. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2016 , 10, 343-352	7.5	7
44	Monte Carlo Calculation of Radioimmunotherapy with (90)Y-, (177)Lu-, (131)I-, (124)I-, and (188)Re-Nanoobjects: Choice of the Best Radionuclide for Solid Tumour Treatment by Using TCP and NTCP Concepts. <i>Computational and Mathematical Methods in Medicine</i> , 2015 , 2015, 284360	2.8	7
43	Role of Nitric Oxide in Myocardial Function 2000 , 585-607		7
42	Macrophage miR-210 induction and metabolic reprogramming in response to pathogen interaction boost life-threatening inflammation. <i>Science Advances</i> , 2021 , 7,	14.3	7
41	Multi-modality imaging to assess metabolic response to dichloroacetate treatment in tumor models. <i>Oncotarget</i> , 2016 , 7, 81741-81749	3.3	7

40	Effects of BM-573 on Endothelial Dependent Relaxation and Increased Blood Pressure at Early Stages of Atherosclerosis. <i>PLoS ONE</i> , 2016 , 11, e0152579	3.7	7
39	Inhibition of colorectal cancer-associated fibroblasts by lipid nanocapsules loaded with acriflavine or paclitaxel. <i>International Journal of Pharmaceutics</i> , 2020 , 584, 119337	6.5	6
38	LDV peptidomimetics equipped with biotinylated spacer-arms: synthesis and biological evaluation on CCRF-CEM cell line. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 586-90	2.9	6
37	Annual Meeting of the International Society of Cancer Metabolism (ISCaM): Metabolic Networks in Cancer. <i>Frontiers in Pharmacology</i> , 2017 , 8, 411	5.6	6
36	Comparison of the clonogenic survival of A549 non-small cell lung adenocarcinoma cells after irradiation with low-dose-rate beta particles and high-dose-rate X-rays. <i>International Journal of Radiation Biology</i> , 2012 , 88, 253-7	2.9	6
35	Lactate-Induced IL-8 Pathway in Endothelial Cells Response: Figure 1.. <i>Cancer Research</i> , 2012 , 72, 1903-1904	3.4	6
34	Bayesian segmentation of hyperspectral images. <i>AIP Conference Proceedings</i> , 2004 ,	0	6
33	Contribution of macrophages in the contrast loss in iron oxide-based MRI cancer cell tracking studies. <i>Oncotarget</i> , 2017 , 8, 38876-38885	3.3	6
32	The Blood Flow Shutdown Induced by Combretastatin A4 Impairs Gemcitabine Delivery in a Mouse Hepatocarcinoma. <i>Frontiers in Pharmacology</i> , 2016 , 7, 506	5.6	6
31	Dealing with saturated and unsaturated fatty acid metabolism for anticancer therapy. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2019 , 22, 427-433	3.8	6
30	Validation of a SPE HPLC-UV method for the quantification of a new ER-specific photosensitizer OR-141 in blood serum using total error concept. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 141, 87-94	3.5	5
29	MRI Assessment of Cardiomyopathy Induced by α -Adrenoreceptor Autoantibodies and Protection Through β -Adrenoreceptor Overexpression. <i>Scientific Reports</i> , 2017 , 7, 43951	4.9	5
28	Joint econometric modeling of spot electricity prices, forwards and options. <i>Review of Derivatives Research</i> , 2012 , 15, 217-256	0.6	5
27	One Pot Synthesis and In Vitro Antitumor Activity of some Bipyrazolic Tripodal Derivatives. <i>Letters in Drug Design and Discovery</i> , 2012 , 9, 305-309	0.8	5
26	Library of Synthetic Compounds Based on Pyrazole Unit: Design and Screening Against Breast and Colorectal Cancer. <i>Letters in Drug Design and Discovery</i> , 2014 , 11, 1010-1016	0.8	5
25	Synthesis and Evaluation of Certain Symmetrical Schiff Bases as Inhibitors of MDA-MB-241 Human Breast Cancer Cell Proliferation. <i>Letters in Drug Design and Discovery</i> , 2016 , 13, 205-209	0.8	5
24	Two isoprenylated flavonoids from <i>Dorstenia psilurus</i> activate AMPK, stimulate glucose uptake, inhibit glucose production and lower glycemia. <i>Biochemical Journal</i> , 2019 , 476, 3687-3704	3.8	5
23	Targeting Endothelial Cell Metabolism by Inhibition of Pyruvate Dehydrogenase Kinase and Glutaminase-1. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	5

22	Dichloroacetate Radiosensitizes Hypoxic Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
21	Price Formation and Optimal Trading in Intraday Electricity Markets with a Major Player. <i>Risks</i> , 2020 , 8, 133	1.6	4
20	Diaryl urea LDV peptidomimetics as α_1 integrin antagonists: synthesis, adhesion inhibition and toxicity evaluation on CCRF-CEM cell line. <i>MedChemComm</i> , 2012 , 3, 199-212	5	4
19	Interaction of fluorescein derivatives with glibenclamide binding sites in rat brain. <i>Neuroscience Letters</i> , 1995 , 183, 183-6	3.3	4
18	Cancer diets for cancer patients: Lessons from mouse studies and new insights from the study of fatty acid metabolism in tumors. <i>Biochimie</i> , 2020 , 178, 56-68	4.6	4
17	Obesity and triple-negative-breast-cancer: Is apelin a new key target?. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 10233-10244	5.6	4
16	Therapy-induced DNA methylation inactivates MCT1 and renders tumor cells vulnerable to MCT4 inhibition. <i>Cell Reports</i> , 2021 , 35, 109202	10.6	4
15	Metabolic Imaging Using Hyperpolarized Pyruvate-Lactate Exchange Assesses Response or Resistance to the EGFR Inhibitor Cetuximab in Patient-Derived HNSCC Xenografts. <i>Clinical Cancer Research</i> , 2020 , 26, 1932-1943	12.9	4
14	Impact of Inhibition of the Mitochondrial Pyruvate Carrier on the Tumor Extracellular pH as Measured by CEST-MRI. <i>Cancers</i> , 2021 , 13,	6.6	4
13	Unravelling the Allosteric Targeting of PHGDH at the ACT-Binding Domain with a Photoactivatable Diazirine Probe and Mass Spectrometry Experiments. <i>Molecules</i> , 2021 , 26,	4.8	4
12	Potential of memory T cells in bridging preoperative chemoradiation and immunotherapy in rectal cancer. <i>Radiotherapy and Oncology</i> , 2018 , 127, 361-369	5.3	3
11	On the use of radioisotopes to study the possible synthesis by magnetron sputtering of bimetallic nanoparticles. <i>Surface and Coatings Technology</i> , 2011 , 205, 4934-4940	4.4	3
10	Challenges in pharmacology of anti-cancer drugs - the search for addictions. <i>Frontiers in Pharmacology</i> , 2010 , 1, 120	5.6	2
9	Chapter 5 The Caveolin Interaction with Endothelial Nitric Oxide Synthase (eNOS). <i>Advances in Molecular and Cell Biology</i> , 2005 , 89-108		1
8	Efficient volatility estimation in a two-factor model. <i>Scandinavian Journal of Statistics</i> , 2020 , 47, 862-898	0.8	1
7	Acetate: Friend or foe against breast tumour growth in the context of obesity?. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 14195-14204	5.6	1
6	A survey of electricity spot and futures price models for risk management applications. <i>Energy Economics</i> , 2021 , 102, 105504	8.3	1
5	Caveolae and the Endothelial Nitric Oxide Synthase 2006 , 233-248		

- 4 Estimating fast mean-reverting jumps in electricity market models. *ESAIM - Probability and Statistics*, **2020**, 24, 963-1002 0.4
- 3 Signaling Behind Progenitor Cell Mobilization: Focus on Enos and Caveolin **2007**, 215-225
- 2 New Aspects of the Pharmacology of Dihydropyridine Calcium Antagonists. *Medical Science Symposia Series*, **1995**, 89-96
- 1 The Tick Protein Ir-Cpi Efficiently Delays Contact Pathway Induced Thrombin Generation and Displays In Vivo Antithrombotic Activity. *Blood*, **2010**, 116, 3336-3336 2.2