Olivier Feron

List of Publications by Year in Descending Order

273 papers	25,182 citations	69 h-index	154 g-index
286 ext. papers	28,104 ext. citations	7.2 avg, IF	6.96 L-index

#	Paper	IF	Citations
273	Macrophage miR-210 induction and metabolic reprogramming in response to pathogen interaction boost life-threatening inflammation. *Science Advances*, **2021**, 7,	14.3	7
272	Therapy-induced DNA methylation inactivates MCT1 and renders tumor cells vulnerable to MCT4 inhibition. *Cell Reports*, **2021**, 35, 109202	10.6	4
271	Impact of Inhibition of the Mitochondrial Pyruvate Carrier on the Tumor Extracellular pH as Measured by CEST-MRI. *Cancers*, **2021**, 13,	6.6	4
270	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	24.6	40
269	A survey of electricity spot and futures price models for risk management applications. *Energy Economics*, **2021**, 102, 105504	8.3	1
268	Unravelling the Allosteric Targeting of PHGDH at the ACT-Binding Domain with a Photoactivatable Diazirine Probe and Mass Spectrometry Experiments. *Molecules*, **2021**, 26,	4.8	4
267	Price Formation and Optimal Trading in Intraday Electricity Markets with a Major Player. *Risks*, **2020**, 8, 133	1.6	4
266	Inhibition of colorectal cancer-associated fibroblasts by lipid nanocapsules loaded with acriflavine or paclitaxel. *International Journal of Pharmaceutics*, **2020**, 584, 119337	6.5	6
265	Photodynamic Therapy-Based Dendritic Cell Vaccination Suited to Treat Peritoneal Mesothelioma. *Cancers*, **2020**, 12,	6.6	14
264	Re-Evaluating the Mechanism of Action of α,β-Unsaturated Carbonyl DUB Inhibitors b-AP15 and VLX1570: A Paradigmatic Example of Unspecific Protein Cross-linking with Michael Acceptor Motif-Containing Drugs. *Journal of Medicinal Chemistry*, **2020**, 63, 3756-3762	8.3	16
263	TGFβ2-induced formation of lipid droplets supports acidosis-driven EMT and the metastatic spreading of cancer cells. *Nature Communications*, **2020**, 11, 454	17.4	77
262	Cycling hypoxia promotes a pro-inflammatory phenotype in macrophages via JNK/p65 signaling pathway. *Scientific Reports*, **2020**, 10, 882	4.9	26
261	Structure-Activity Relationships (SARs) of α-Ketothioamides as Inhibitors of Phosphoglycerate Dehydrogenase (PHGDH). *Pharmaceuticals*, **2020**, 13,	5.2	8
260	Estimating fast mean-reverting jumps in electricity market models. *ESAIM - Probability and Statistics*, **2020**, 24, 963-1002	0.4	
259	Acidosis-Induced TGF-β2 Production Promotes Lipid Droplet Formation in Dendritic Cells and Alters Their Potential to Support Anti-Mesothelioma T Cell Response. *Cancers*, **2020**, 12,	6.6	10
258	Efficient volatility estimation in a two-factor model. *Scandinavian Journal of Statistics*, **2020**, 47, 862-898	0.8	1
257	Acidosis-induced metabolic reprogramming in tumor cells enhances the anti-proliferative activity of the PDK inhibitor dichloroacetate. *Cancer Letters*, **2020**, 470, 18-28	9.9	11

256	Targeting Endothelial Cell Metabolism by Inhibition of Pyruvate Dehydrogenase Kinase and Glutaminase-1. *Journal of Clinical Medicine*, **2020**, 9,	5.1	5
255	Cancer diets for cancer patients: Lessons from mouse studies and new insights from the study of fatty acid metabolism in tumors. *Biochimie*, **2020**, 178, 56-68	4.6	4
254	Obesity and triple-negative-breast-cancer: Is apelin a new key target?. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 10233-10244	5.6	4
253	Acetate: Friend or foe against breast tumour growth in the context of obesity?. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 14195-14204	5.6	1
252	Dichloroacetate Radiosensitizes Hypoxic Breast Cancer Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	5
251	Metabolic Imaging Using Hyperpolarized Pyruvate-Lactate Exchange Assesses Response or Resistance to the EGFR Inhibitor Cetuximab in Patient-Derived HNSCC Xenografts. *Clinical Cancer Research*, **2020**, 26, 1932-1943	12.9	4
250	Antibody-functionalized gold nanoparticles as tumor-targeting radiosensitizers for proton therapy. *Nanomedicine*, **2019**, 14, 317-333	5.6	30
249	Reprogramming of Energy Metabolism: Increased Expression and Roles of Pyruvate Carboxylase in Papillary Thyroid Cancer. *Thyroid*, **2019**, 29, 845-857	6.2	14
248	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	4.9	27
247	Low Photosensitizer Dose and Early Radiotherapy Enhance Antitumor Immune Response of Photodynamic Therapy-Based Dendritic Cell Vaccination. *Frontiers in Oncology*, **2019**, 9, 811	5.3	23
246	Cleaved Caspase-3 Transcriptionally Regulates Angiogenesis-Promoting Chemotherapy Resistance. *Cancer Research*, **2019**, 79, 5958-5970	10.1	21
245	Exploring the Phototoxicity of Hypoxic Active Iridium(III)-Based Sensitizers in 3D Tumor Spheroids. *Journal of the American Chemical Society*, **2019**, 141, 18486-18491	16.4	47
244	Two isoprenylated flavonoids from Dorstenia psilurus activate AMPK, stimulate glucose uptake, inhibit glucose production and lower glycemia. *Biochemical Journal*, **2019**, 476, 3687-3704	3.8	5
243	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	9.9	38
242	Dealing with saturated and unsaturated fatty acid metabolism for anticancer therapy. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2019**, 22, 427-433	3.8	6
241	Therapeutic Potential of Focal Adhesion Kinase Inhibition in Small Cell Lung Cancer. *Molecular Cancer Therapeutics*, **2019**, 18, 17-27	6.1	15
240	Interruption of lactate uptake by inhibiting mitochondrial pyruvate transport unravels direct antitumor and radiosensitizing effects. *Nature Communications*, **2018**, 9, 1208	17.4	70
239	Potential of memory T cells in bridging preoperative chemoradiation and immunotherapy in rectal cancer. *Radiotherapy and Oncology*, **2018**, 127, 361-369	5.3	3

238	Optimized acriflavine-loaded lipid nanocapsules as a safe and effective delivery system to treat breast cancer. *International Journal of Pharmaceutics*, **2018**, 551, 322-328	6.5	20
237	Preclinical Evaluation of White Led-Activated Non-porphyrinic Photosensitizer OR141 in 3D Tumor Spheroids and Mouse Skin Lesions. *Frontiers in Oncology*, **2018**, 8, 393	5.3	8
236	Antidiabetic Biguanides Radiosensitize Hypoxic Colorectal Cancer Cells Through a Decrease in Oxygen Consumption. *Frontiers in Pharmacology*, **2018**, 9, 1073	5.6	18
235	Cancer cell metabolism and mitochondria: Nutrient plasticity for TCA cycle fueling. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2017**, 1868, 7-15	11.2	80
234	Ketothioamide Derivatives: A Promising Tool to Interrogate Phosphoglycerate Dehydrogenase (PHGDH). *Journal of Medicinal Chemistry*, **2017**, 60, 1591-1597	8.3	36
233	The NLRP3 Inflammasome Has a Critical Role in Peritoneal Dialysis-Related Peritonitis. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 2038-2052	12.7	23
232	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. *Journal of Pharmaceutical and Biomedical Analysis*, **2017**, 141, 87-94	3.5	5
231	Emerging roles of lipid metabolism in cancer progression. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2017**, 20, 254-260	3.8	56
230	Metallic nanoparticles irradiated by low-energy protons for radiation therapy: Are there significant physical effects to enhance the dose delivery?. *Medical Physics*, **2017**, 44, 4299-4312	4.4	21
229	MRI Assessment of Cardiomyopathy Induced by 1-Adrenoreceptor Autoantibodies and Protection Through 3-Adrenoreceptor Overexpression. *Scientific Reports*, **2017**, 7, 43951	4.9	5
228	Challenges and Opportunities in the Development of Serine Synthetic Pathway Inhibitors for Cancer Therapy. *Journal of Medicinal Chemistry*, **2017**, 60, 1227-1237	8.3	31
227	Tumour acidosis: from the passenger to the driver's seat. *Nature Reviews Cancer*, **2017**, 17, 577-593	31.3	419
226	Ffar2 expression regulates leukaemic cell growth in vivo. *British Journal of Cancer*, **2017**, 117, 1336-1340	8.7	8
225	Cancer heterogeneity is not compatible with one unique cancer cell metabolic map. *Oncogene*, **2017**, 36, 2637-2642	9.2	59
224	Annual Meeting of the International Society of Cancer Metabolism (ISCaM): Metabolic Networks in Cancer. *Frontiers in Pharmacology*, **2017**, 8, 411	5.6	6
223	Dnmt3a-mediated inhibition of Wnt in cardiac progenitor cells improves differentiation and remote remodeling after infarction. *JCI Insight*, **2017**, 2,	9.9	8
222	Auranofin radiosensitizes tumor cells through targeting thioredoxin reductase and resulting overproduction of reactive oxygen species. *Oncotarget*, **2017**, 8, 35728-35742	3.3	53
221	Contribution of macrophages in the contrast loss in iron oxide-based MRI cancer cell tracking studies. *Oncotarget*, **2017**, 8, 38876-38885	3.3	6

220	High field magnetic resonance imaging of rodents in cardiovascular research. *Basic Research in Cardiology*, **2016**, 111, 46	11.8	11
219	Cycling hypoxia: A key feature of the tumor microenvironment. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2016**, 1866, 76-86	11.2	103
218	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
217	Gradient Scan Gibbs Sampler: An Efficient Algorithm for High-Dimensional Gaussian Distributions. *IEEE Journal on Selected Topics in Signal Processing*, **2016**, 10, 343-352	7.5	7
216	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	11.7	63
215	A new ER-specific photosensitizer unravels (1)O2-driven protein oxidation and inhibition of deubiquitinases as a generic mechanism for cancer PDT. *Oncogene*, **2016**, 35, 3976-85	9.2	23
214	Inhibition of glucose metabolism prevents glycosylation of the glutamine transporter ASCT2 and promotes compensatory LAT1 upregulation in leukemia cells. *Oncotarget*, **2016**, 7, 46371-46383	3.3	15
213	Reducing the serine availability complements the inhibition of the glutamine metabolism to block leukemia cell growth. *Oncotarget*, **2016**, 7, 1765-76	3.3	37
212	Synthesis and Evaluation of Certain Symmetrical Schiff Bases as Inhibitors of MDA-MB-241 Human Breast Cancer Cell Proliferation. *Letters in Drug Design and Discovery*, **2016**, 13, 205-209	0.8	5
211	Multi-modality imaging to assess metabolic response to dichloroacetate treatment in tumor models. *Oncotarget*, **2016**, 7, 81741-81749	3.3	7
210	Effects of BM-573 on Endothelial Dependent Relaxation and Increased Blood Pressure at Early Stages of Atherosclerosis. *PLoS ONE*, **2016**, 11, e0152579	3.7	7
209	The Blood Flow Shutdown Induced by Combretastatin A4 Impairs Gemcitabine Delivery in a Mouse Hepatocarcinoma. *Frontiers in Pharmacology*, **2016**, 7, 506	5.6	6
208	LET-dependent radiosensitization effects of gold nanoparticles for proton irradiation. *Nanotechnology*, **2016**, 27, 455101	3.4	37
207	Multimodality Imaging Identifies Distinct Metabolic Profiles In Vitro and In Vivo. *Neoplasia*, **2016**, 18, 742-752	6.4	10
206	Biodistribution of (125)I-labeled anti-endoglin antibody using SPECT/CT imaging: Impact of in vivo deiodination on tumor accumulation in mice. *Nuclear Medicine and Biology*, **2016**, 43, 415-23	2.1	12
205	Acidosis Drives the Reprogramming of Fatty Acid Metabolism in Cancer Cells through Changes in Mitochondrial and Histone Acetylation. *Cell Metabolism*, **2016**, 24, 311-23	24.6	167
204	A roadmap for interpreting (13)C metabolite labeling patterns from cells. *Current Opinion in Biotechnology*, **2015**, 34, 189-201	11.4	368
203	Cytotoxic activities and metabolic studies of new combretastatin analogues. *Medicinal Chemistry Research*, **2015**, 24, 3143-3156	2.2	9

202	Intracellular siRNA delivery dynamics of integrin-targeted, PEGylated chitosan-poly(ethylene imine) hybrid nanoparticles: A mechanistic insight. *Journal of Controlled Release*, **2015**, 211, 1-9	11.7	42
201	In vivo visualization and ex vivo quantification of murine breast cancer cells in the mouse brain using MRI cell tracking and electron paramagnetic resonance. *NMR in Biomedicine*, **2015**, 28, 367-75	4.4	7
200	Reprogramming of tumor metabolism by targeting mitochondria improves tumor response to irradiation. *Acta Oncologica*, **2015**, 54, 266-74	3.2	24
199	Metabolic and mind shifts: from glucose to glutamine and acetate addictions in cancer. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2015**, 18, 346-53	3.8	35
198	Synthesis of Novel Keto-Enol Derivatives Tethered Pyrazole, Pyridine and Furan as New Potential Antifungal and Anti-Breast Cancer Agents. *Molecules*, **2015**, 20, 20186-94	4.8	27
197	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. *Computational and Mathematical Methods in Medicine*, **2015**, 2015, 284360	2.8	7
196	The increase in tumor oxygenation under carbogen breathing induces a decrease in the uptake of [(18)F]-fluoro-deoxy-glucose. *Radiotherapy and Oncology*, **2015**, 116, 400-3	5.3	8
195	Variability of Mouse Left Ventricular Function Assessment by 11.7 Tesla MRI. *Journal of Cardiovascular Translational Research*, **2015**, 8, 362-71	3.3	8
194	Cycling hypoxia induces a specific amplified inflammatory phenotype in endothelial cells and enhances tumor-promoting inflammation in vivo. *Neoplasia*, **2015**, 17, 66-78	6.4	25
193	Antitumor activity of 7-aminocarboxycoumarin derivatives, a new class of potent inhibitors of lactate influx but not efflux. *Molecular Cancer Therapeutics*, **2014**, 13, 1410-8	6.1	63
192	Vascular endothelial growth factor-loaded injectable hydrogel enhances plasticity in the injured spinal cord. *Journal of Biomedical Materials Research - Part A*, **2014**, 102, 2345-55	5.4	37
191	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. *NMR in Biomedicine*, **2014**, 27, 1403-12	4.4	8
190	A mitochondrial switch promotes tumor metastasis. *Cell Reports*, **2014**, 8, 754-66	10.6	365
189	The SIRT1/HIF2axis drives reductive glutamine metabolism under chronic acidosis and alters tumor response to therapy. *Cancer Research*, **2014**, 74, 5507-19	10.1	95
188	Glucose deprivation increases monocarboxylate transporter 1 (MCT1) expression and MCT1-dependent tumor cell migration. *Oncogene*, **2014**, 33, 4060-8	9.2	67
187	Hypoxia modulates the differentiation potential of stem cells of the apical papilla. *Journal of Endodontics*, **2014**, 40, 1410-8	4.7	45
186	Vitamin E-based micelles enhance the anticancer activity of doxorubicin. *International Journal of Pharmaceutics*, **2014**, 476, 9-15	6.5	31
185	(89)Zr-labeled anti-endoglin antibody-targeted gold nanoparticles for imaging cancer: implications for future cancer therapy. *Nanomedicine*, **2014**, 9, 1923-37	5.6	29

184	Multimodal cell tracking of a spontaneous metastasis model: comparison between MRI, electron paramagnetic resonance and bioluminescence. *Contrast Media and Molecular Imaging*, **2014**, 9, 143-53	3.2	13
183	Role of AMP-activated protein kinase in regulating hypoxic survival and proliferation of mesenchymal stem cells. *Cardiovascular Research*, **2014**, 101, 20-9	9.9	32
182	Tridentate bipyrazole compounds with a side-arm as a new class of antitumor agents. *Research on Chemical Intermediates*, **2014**, 40, 681-687	2.8	15
181	A generic cycling hypoxia-derived prognostic gene signature: application to breast cancer profiling. *Oncotarget*, **2014**, 5, 6947-63	3.3	11
180	Library of Synthetic Compounds Based on Pyrazole Unit: Design and Screening Against Breast and Colorectal Cancer. *Letters in Drug Design and Discovery*, **2014**, 11, 1010-1016	0.8	5
179	Antibody-functionalized nanoparticles for imaging cancer: influence of conjugation to gold nanoparticles on the biodistribution of 89Zr-labeled cetuximab in mice. *Contrast Media and Molecular Imaging*, **2013**, 8, 402-8	3.2	76
178	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, 112-23	4.9	22
177	Comparison of X-ray and alpha particle effects on a human cancer and endothelial cells: survival curves and gene expression profiles. *Radiotherapy and Oncology*, **2013**, 106, 397-403	5.3	19
176	A new method combining sequential immunoaffinity depletion and differential in gel electrophoresis to identify autoantibodies as cancer biomarkers. *Journal of Immunological Methods*, **2013**, 396, 23-32	2.5	9
175	Synthesis and pharmacological evaluation of carboxycoumarins as a new antitumor treatment targeting lactate transport in cancer cells. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 7107-17	3.4	42
174	Reciprocal epithelial:endothelial paracrine interactions during thyroid development govern follicular organization and C-cells differentiation. *Developmental Biology*, **2013**, 381, 227-40	3.1	31
173	Potentiation of radiotherapy by a localized antiangiogenic gene therapy. *Radiotherapy and Oncology*, **2013**, 107, 252-8	5.3	11
172	Endothelial cell metabolism and tumour angiogenesis: glucose and glutamine as essential fuels and lactate as the driving force. *Journal of Internal Medicine*, **2013**, 273, 156-65	10.8	155
171	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	42.1	32
170	Tumour hypoxia determines the potential of combining mTOR and autophagy inhibitors to treat mammary tumours. *British Journal of Cancer*, **2013**, 109, 2597-606	8.7	20
169	Multimodal imaging of tumor response to sorafenib combined with radiation therapy: comparison between diffusion-weighted MRI, choline spectroscopy and 18F-FLT PET imaging. *Contrast Media and Molecular Imaging*, **2013**, 8, 274-80	3.2	8
168	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, 1586-92	8.7	63
167	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, 732-44	4.4	37

166	Influence of cell detachment on the respiration rate of tumor and endothelial cells. *PLoS ONE*, **2013**, 8, e53324	3.7	27
165	Hypoxia integration in the serological proteome analysis unmasks tumor antigens and fosters the identification of anti-phospho-eEF2 antibodies as potential cancer biomarkers. *PLoS ONE*, **2013**, 8, e76508	3.7	10
164	LDV peptidomimetics equipped with biotinylated spacer-arms: synthesis and biological evaluation on CCRF-CEM cell line. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 586-90	2.9	6
163	Multimodal assessment of early tumor response to chemotherapy: comparison between diffusion-weighted MRI, 1H-MR spectroscopy of choline and USPIO particles targeted at cell death. *NMR in Biomedicine*, **2012**, 25, 514-22	4.4	16
162	Joint econometric modeling of spot electricity prices, forwards and options. *Review of Derivatives Research*, **2012**, 15, 217-256	0.6	5
161	Tumor reoxygenation following administration of Mitogen-Activated Protein Kinase inhibitors: a rationale for combination with radiation therapy. *Radiotherapy and Oncology*, **2012**, 105, 64-71	5.3	15
160	Antibody-functionalized polymer-coated gold nanoparticles targeting cancer cells: an in vitro and in vivo study. *Journal of Materials Chemistry*, **2012**, 22, 21305		46
159	Diaryl urea LDV peptidomimetics as 41 integrin antagonists: synthesis, adhesion inhibition and toxicity evaluation on CCRF-CEM cell line. *MedChemComm*, **2012**, 3, 199-212	5	4
158	Lactate stimulates angiogenesis and accelerates the healing of superficial and ischemic wounds in mice. *Angiogenesis*, **2012**, 15, 581-92	10.6	124
157	Gut microbiota-derived propionate reduces cancer cell proliferation in the liver. *British Journal of Cancer*, **2012**, 107, 1337-44	8.7	181
156	Lactate activates HIF-1 in oxidative but not in Warburg-phenotype human tumor cells. *PLoS ONE*, **2012**, 7, e46571	3.7	160
155	The association of N-palmitoylethanolamine with the FAAH inhibitor URB597 impairs melanoma growth through a supra-additive action. *BMC Cancer*, **2012**, 12, 92	4.8	44
154	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. *International Journal of Radiation Biology*, **2012**, 88, 253-7	2.9	6
153	Vascular hypoxic preconditioning relies on TRPV4-dependent calcium influx and proper intercellular gap junctions communication. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 2241-9	9.4	42
152	Electron paramagnetic resonance as a sensitive tool to assess the iron oxide content in cells for MRI cell labeling studies. *Contrast Media and Molecular Imaging*, **2012**, 7, 302-7	3.2	18
151	Targeting of tumor endothelium by RGD-grafted PLGA-nanoparticles. *Methods in Enzymology*, **2012**, 508, 157-75	1.7	39
150	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	10.3	104
149	Galectin-1 in melanoma biology and related neo-angiogenesis processes. *Journal of Investigative Dermatology*, **2012**, 132, 2245-54	4.3	56

148	Arsenic trioxide treatment decreases the oxygen consumption rate of tumor cells and radiosensitizes solid tumors. *Cancer Research*, **2012**, 72, 482-90	10.1	96
147	Regulation of monocarboxylate transporter MCT1 expression by p53 mediates inward and outward lactate fluxes in tumors. *Cancer Research*, **2012**, 72, 939-48	10.1	141
146	Lactate-Induced IL-8 Pathway in Endothelial Cells Response: Figure 1.. *Cancer Research*, **2012**, 72, 1903-1904	10.1	6
145	Targeting the lactate transporter MCT1 in endothelial cells inhibits lactate-induced HIF-1 activation and tumor angiogenesis. *PLoS ONE*, **2012**, 7, e33418	3.7	328
144	One Pot Synthesis and In Vitro Antitumor Activity of some Bipyrazolic Tripodal Derivatives. *Letters in Drug Design and Discovery*, **2012**, 9, 305-309	0.8	5
143	Antitumoral and antimetastatic effect of antiangiogenic plasmids in B16 melanoma: Higher efficiency of the recombinant disintegrin domain of ADAM 15. *European Journal of Pharmaceutics and Biopharmaceutics*, **2011**, 78, 314-9	5.7	25
142	Carbon nanoparticles synthesized by sputtering and gas condensation inside a nanocluster source of fixed dimension. *Surface and Coatings Technology*, **2011**, 205, S577-S581	4.4	19
141	Chemical reactivity of plasma polymerized allylamine (PPAA) thin films on Au and Si: Study of the thickness influence and aging of the films. *Surface and Coatings Technology*, **2011**, 205, S462-S465	4.4	14
140	3D systems delivering VEGF to promote angiogenesis for tissue engineering. *Journal of Controlled Release*, **2011**, 150, 272-8	11.7	113
139	Assessment of melanoma extent and melanoma metastases invasion using electron paramagnetic resonance and bioluminescence imaging. *Contrast Media and Molecular Imaging*, **2011**, 6, 282-8	3.2	12
138	Surface properties and cell adhesion onto allylamine-plasma and amine-plasma coated glass coverslips. *Journal of Materials Science: Materials in Medicine*, **2011**, 22, 671-82	4.5	21
137	Antibody immobilization on gold nanoparticles coated layer-by-layer with polyelectrolytes. *Journal of Nanoparticle Research*, **2011**, 13, 1573-1580	2.3	37
136	Delivery of soluble VEGF receptor 1 (sFlt1) by gene electrotransfer as a new antiangiogenic cancer therapy. *Molecular Pharmaceutics*, **2011**, 8, 701-8	5.6	20
135	On the use of radioisotopes to study the possible synthesis by magnetron sputtering of bimetallic nanoparticles. *Surface and Coatings Technology*, **2011**, 205, 4934-4940	4.4	3
134	Preconditioned endothelial progenitor cells reduce formation of melanoma metastases through SPARC-driven cell-cell interactions and endocytosis. *Cancer Research*, **2011**, 71, 4748-57	10.1	10
133	Moderate caveolin-1 downregulation prevents NADPH oxidase-dependent endothelial nitric oxide synthase uncoupling by angiotensin II in endothelial cells. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, 2098-105	9.4	45
132	Lactate shuttles at a glance: from physiological paradigms to anti-cancer treatments. *DMM Disease Models and Mechanisms*, **2011**, 4, 727-32	4.1	203
131	Lactate influx through the endothelial cell monocarboxylate transporter MCT1 supports an NF-B/IL-8 pathway that drives tumor angiogenesis. *Cancer Research*, **2011**, 71, 2550-60	10.1	496

130	The transcription factor GATA-1 is overexpressed in breast carcinomas and contributes to survivin upregulation via a promoter polymorphism. *Oncogene*, **2010**, 29, 2577-84	9.2	38
129	Challenges in pharmacology of anti-cancer drugs - the search for addictions. *Frontiers in Pharmacology*, **2010**, 1, 120	5.6	2
128	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, 410-9	12.9	36
127	Tumor-penetrating peptides: a shift from magic bullets to magic guns. *Science Translational Medicine*, **2010**, 2, 34ps26	17.5	33
126	Nitric oxide synthase isoforms play distinct roles during acute peritonitis. *Nephrology Dialysis Transplantation*, **2010**, 25, 86-96	4.3	24
125	(Invited) Selective Epitaxial Growth of III-V Semiconductor Heterostructures on Si Substrates for Logic Applications. *ECS Transactions*, **2010**, 33, 933-939	1	8
124	Both host and graft vessels contribute to revascularization of xenografted human ovarian tissue in a murine model. *Fertility and Sterility*, **2010**, 93, 1676-85	4.8	121
123	Differential influence of anticancer treatments and angiogenesis on the seric titer of autoantibody used as tumor and metastasis biomarker. *Neoplasia*, **2010**, 12, 562-70	6.4	15
122	Radioimmunotherapy with radioactive nanoparticles: biological doses and treatment efficiency for vascularized tumors with or without a central hypoxic area. *Medical Physics*, **2010**, 37, 1826-39	4.4	17
121	The regulation of endothelial nitric oxide synthase by caveolin: a paradigm validated in vivo and shared by the ?endothelium-derived hyperpolarizing factor? *Pflugers Archiv European Journal of Physiology*, **2010**, 459, 817-27	4.6	32
120	To exploit the tumor microenvironment: Passive and active tumor targeting of nanocarriers for anti-cancer drug delivery. *Journal of Controlled Release*, **2010**, 148, 135-46	11.7	1900
119	Iron oxide particles covered with hexapeptides targeted at phosphatidylserine as MR biomarkers of tumor cell death. *Contrast Media and Molecular Imaging*, **2010**, 5, 258-67	3.2	24
118	Comparison of methods for measuring oxygen consumption in tumor cells in vitro. *Analytical Biochemistry*, **2010**, 396, 250-6	3.1	67
117	Activated macrophages as a novel determinant of tumor cell radioresponse: the role of nitric oxide-mediated inhibition of cellular respiration and oxygen sparing. *International Journal of Radiation Oncology Biology Physics*, **2010**, 76, 1520-7	4	29
116	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	
115	Ir-CPI, a coagulation contact phase inhibitor from the tick Ixodes ricinus, inhibits thrombus formation without impairing hemostasis. *Journal of Experimental Medicine*, **2009**, 206, 2381-95	16.6	78
114	eNOS activation by physical forces: from short-term regulation of contraction to chronic remodeling of cardiovascular tissues. *Physiological Reviews*, **2009**, 89, 481-534	47.9	317
113	Decrease in tumor cell oxygen consumption after treatment with vandetanib (ZACTIMA; ZD6474) and its effect on response to radiotherapy. *Radiation Research*, **2009**, 172, 584-91	3.1	33

112	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, E438-51	6	25
111	Vascular caveolin deficiency supports the angiogenic effects of nitrite, a major end product of nitric oxide metabolism in tumors. *Molecular Cancer Research*, **2009**, 7, 1056-63	6.6	12
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