

# Bernard Gallez

## List of Publications by Year in descending order

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Version: 2024-02-01

208  
papers

10,578  
citations

36203

51  
h-index

38300

95  
g-index

210  
all docs

210  
docs citations

210  
times ranked

13202  
citing authors

#	ARTICLE	IF	CITATIONS
1	Special Issues of AMR on the Occasion of the 85th Birthday of Harold M. Swartz (HMS): Overview of Part 2 Articles and HMSâ€™ Citations on Magnetic Resonance. Applied Magnetic Resonance, 2022, 53, 1-45.	0.6	2
2	MitoQ Inhibits Human Breast Cancer Cell Migration, Invasion and Clonogenicity. Cancers, 2022, 14, 1516.	1.7	15
3	Combined HP 13C Pyruvate and 13C-Glucose Fluxomic as a Potential Marker of Response to Targeted Therapies in YUMM1.7 Melanoma Xenografts. Biomedicines, 2022, 10, 717.	1.4	3
4	Evaluation of Syrosingopine, an MCT Inhibitor, as Potential Modulator of Tumor Metabolism and Extracellular Acidification. Metabolites, 2022, 12, 557.	1.3	14
5	Measurement of Mitochondrial (Dys)Function in Cellular Systems Using Electron Paramagnetic Resonance (EPR): Oxygen Consumption Rate and Superoxide Production. Methods in Molecular Biology, 2022, , 83-95.	0.4	3
6	The impact of particulate electron paramagnetic resonance oxygen sensors on fluorodeoxyglucose imaging characteristics detected via positron emission tomography. Scientific Reports, 2021, 11, 4422.	1.6	2
7	A versatile EPR toolbox for the simultaneous measurement of oxygen consumption and superoxide production. Redox Biology, 2021, 40, 101852.	3.9	7
8	Oxygenation Status in Normal Tissues, Pathological Tissues and Malignant Tumors: A pO2 Database Based on Electron Paramagnetic Resonance (EPR) Oximetry Measurements. Applied Magnetic Resonance, 2021, 52, 1395-1450.	0.6	11
9	Impact of Inhibition of the Mitochondrial Pyruvate Carrier on the Tumor Extracellular pH as Measured by CEST-MRI. Cancers, 2021, 13, 4278.	1.7	13
10	The Short-Term Exposure to SDHI Fungicides Boscalid and Bixafen Induces a Mitochondrial Dysfunction in Selective Human Cell Lines. Molecules, 2021, 26, 5842.	1.7	11
11	Metabolic imaging using hyperpolarized <sup>13</sup> C-pyruvate to assess sensitivity to the Bâ€™Raf inhibitor vemurafenib in melanoma cells and xenografts. Journal of Cellular and Molecular Medicine, 2020, 24, 1934-1944.	1.6	13
12	Acidosis-induced metabolic reprogramming in tumor cells enhances the anti-proliferative activity of the PDK inhibitor dichloroacetate. Cancer Letters, 2020, 470, 18-28.	3.2	16
13	Combined endogenous MR biomarkers to assess changes in tumor oxygenation induced by an allosteric effector of hemoglobin. NMR in Biomedicine, 2020, 33, e4181.	1.6	5
14	Targeting Endothelial Cell Metabolism by Inhibition of Pyruvate Dehydrogenase Kinase and Glutaminase-1. Journal of Clinical Medicine, 2020, 9, 3308.	1.0	10
15	Obesity and tripleâ€™negativeâ€™breastâ€™cancer: Is apelin a new key target?. Journal of Cellular and Molecular Medicine, 2020, 24, 10233-10244.	1.6	16
16	How best to interpret measures of levels of oxygen in tissues to make them effective clinical tools for care of patients with cancer and other oxygenâ€™dependent pathologies. Physiological Reports, 2020, 8, e14541.	0.7	23
17	Acetate: Friend or foe against breast tumour growth in the context of obesity?. Journal of Cellular and Molecular Medicine, 2020, 24, 14195-14204.	1.6	4
18	An EPR Study Using Cyclic Hydroxylamines To Assess The Level of Mitochondrial ROS in Superinvasive Cancer Cells. Cell Biochemistry and Biophysics, 2020, 78, 249-254.	0.9	11

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19	Electron Paramagnetic Resonance Imaging of Melanin in Honey Bee. <i>Cell Biochemistry and Biophysics</i> , 2020, 78, 123-126.	0.9	2
20	Metabolic Plasticity of Tumor Cells: How They Do Adapt to Food Deprivation. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1219, 109-123.	0.8	3
21	“Oxygen Level in a Tissue” – What Do Available Measurements Really Report?. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1232, 145-153.	0.8	10
22	Clinical and Statistical Considerations when Assessing Oxygen Levels in Tumors: Illustrative Results from Clinical EPR Oximetry Studies. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1232, 155-168.	0.8	10
23	Codelivery of paclitaxel and temozolomide through a photopolymerizable hydrogel prevents glioblastoma recurrence after surgical resection. <i>Journal of Controlled Release</i> , 2019, 309, 72-81.	4.8	87
24	Towards <i>in vivo</i> melanin radicals detection in melanomas by electron paramagnetic resonance (EPR) spectroscopy: a proof-of-concept study. <i>Free Radical Research</i> , 2019, 53, 405-410.	1.5	9
25	Lipid nanocapsules as <i>in vivo</i> oxygen sensors using magnetic resonance imaging. <i>Materials Science and Engineering C</i> , 2019, 101, 396-403.	3.8	9
26	Synthesis and characterization of a 5-membered ring cyclic hydroxylamine coupled to triphenylphosphonium to detect mitochondrial superoxide by EPR spectrometry. <i>Free Radical Research</i> , 2019, 53, 1135-1143.	1.5	7
27	Impact of <i>myo</i> -inositol trispyrophosphate (ITPP) on tumour oxygenation and response to irradiation in rodent tumour models. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 1908-1916.	1.6	11
28	Characterization of a clinically used charcoal suspension for <i>in vivo</i> EPR oximetry. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019, 32, 205-212.	1.1	5
29	Preparation and evaluation of trityl-loaded lipid nanocapsules as oxygen sensors for electron paramagnetic resonance oximetry. <i>International Journal of Pharmaceutics</i> , 2019, 554, 87-92.	2.6	9
30	Nanomedicines and gene therapy for the delivery of growth factors to improve perfusion and oxygenation in wound healing. <i>Advanced Drug Delivery Reviews</i> , 2018, 129, 262-284.	6.6	70
31	Biomarkers of tumour redox status in response to modulations of glutathione and thioredoxin antioxidant pathways. <i>Free Radical Research</i> , 2018, 52, 256-266.	1.5	8
32	EPR monitoring of wound oxygenation as a biomarker of response to gene therapy encoding hCAP $\beta$ /LL37 peptide. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 3267-3273.	1.9	5
33	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.	2.6	30
34	Comparison of different methods for measuring the superoxide radical by EPR spectroscopy in buffer, cell lysates and cells. <i>Free Radical Research</i> , 2018, 52, 1182-1196.	1.5	16
35	Guidance to Transfer “Bench-Ready” Medical Technology into Usual Clinical Practice: Case Study “Sensors and Spectrometer Used in EPR Oximetry. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1072, 233-239.	0.8	13
36	Post-resection treatment of glioblastoma with an injectable nanomedicine-loaded photopolymerizable hydrogel induces long-term survival. <i>International Journal of Pharmaceutics</i> , 2018, 548, 522-529.	2.6	52

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37	Imaging markers of response to combined BRAF and MEK inhibition in BRAF mutated vemurafenib-sensitive and resistant melanomas. <i>Oncotarget</i> , 2018, 9, 16832-16846.	0.8	5
38	Manipulation of tumor oxygenation and radiosensitivity through modification of cell respiration. A critical review of approaches and imaging biomarkers for therapeutic guidance. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 700-711.	0.5	37
39	Novel model of orthotopic U-87 MG glioblastoma resection in athymic nude mice. <i>Journal of Neuroscience Methods</i> , 2017, 284, 96-102.	1.3	33
40	<sup>17</sup> O MRS assesses the effect of mild hypothermia on oxygen consumption rate in tumors. <i>NMR in Biomedicine</i> , 2017, 30, e3726.	1.6	7
41	MRI Assessment of Cardiomyopathy Induced by <sup>125</sup> I-Adrenoreceptor Autoantibodies and Protection Through <sup>125</sup> I-Adrenoreceptor Overexpression. <i>Scientific Reports</i> , 2017, 7, 43951.	1.6	5
42	Combined endogenous MR biomarkers to predict basal tumor oxygenation and response to hyperoxic challenge. <i>NMR in Biomedicine</i> , 2017, 30, e3836.	1.6	13
43	Injectable nanomedicine hydrogel for local chemotherapy of glioblastoma after surgical resection. <i>Journal of Controlled Release</i> , 2017, 264, 45-54.	4.8	107
44	In vivo EPR extracellular pH-metry in tumors using a triphosphonated trityl radical. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 2438-2443.	1.9	20
45	Assessing Tumor Oxygenation for Predicting Outcome in Radiation Oncology: A Review of Studies Correlating Tumor Hypoxic Status and Outcome in the Preclinical and Clinical Settings. <i>Frontiers in Oncology</i> , 2017, 7, 10.	1.3	66
46	Use of a cocktail of spin traps for fingerprinting large range of free radicals in biological systems. <i>PLoS ONE</i> , 2017, 12, e0172998.	1.1	17
47	Contribution of macrophages in the contrast loss in iron oxide-based MRI cancer cell tracking studies. <i>Oncotarget</i> , 2017, 8, 38876-38885.	0.8	7
48	Inhibition of the pentose phosphate pathway by dichloroacetate unravels a missing link between aerobic glycolysis and cancer cell proliferation. <i>Oncotarget</i> , 2016, 7, 2910-2920.	0.8	56
49	Multi-modality imaging to assess metabolic response to dichloroacetate treatment in tumor models. <i>Oncotarget</i> , 2016, 7, 81741-81749.	0.8	10
50	The Blood Flow Shutdown Induced by Combretastatin A4 Impairs Gemcitabine Delivery in a Mouse Hepatocarcinoma. <i>Frontiers in Pharmacology</i> , 2016, 7, 506.	1.6	8
51	Monitoring Combretastatin A4-induced tumor hypoxia and hemodynamic changes using endogenous MR contrast and DCE-MRI. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 866-872.	1.9	16
52	Multimodality Imaging Identifies Distinct Metabolic Profiles In Vitro and In Vivo. <i>Neoplasia</i> , 2016, 18, 742-752.	2.3	13
53	Factors Affecting the Quality of Tooth Enamel for <i>In Vivo</i> EPR-Based Retrospective Biodosimetry. <i>Radiation Protection Dosimetry</i> , 2016, 172, 96-102.	0.4	5
54	Biodistribution of <sup>125</sup> 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, 415-423.	0.3	13

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55	Contribution of Harold M. Swartz to <i>In Vivo</i> EPR and EPR Dosimetry. <i>Radiation Protection Dosimetry</i> , 2016, 172, 16-37.	0.4	1
56	Direct and Repeated Clinical Measurements of pO <sub>2</sub> for Enhancing Cancer Therapy and Other Applications. <i>Advances in Experimental Medicine and Biology</i> , 2016, 923, 95-104.	0.8	22
57	Monitoring Tumor Response to Carbogen Breathing by Oxygen-Sensitive Magnetic Resonance Parameters to Predict the Outcome of Radiation Therapy: A Preclinical Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 149-160.	0.4	24
58	High field magnetic resonance imaging of rodents in cardiovascular research. <i>Basic Research in Cardiology</i> , 2016, 111, 46.	2.5	13
59	DW-MRI and <sup>18</sup> F-FLT PET for early assessment of response to radiation therapy associated with hypoxia-driven interventions. Preclinical studies using manipulation of oxygenation and/or dose escalation. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 115-121.	0.4	4
60	Direct Evidence of the Link Between Energetic Metabolism and Proliferation Capacity of Cancer Cells <i>In Vitro</i> . <i>Advances in Experimental Medicine and Biology</i> , 2016, 876, 209-214.	0.8	5
61	A Fast Hydrogen Sulfide-Releasing Donor Increases the Tumor Response to Radiotherapy. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 154-161.	1.9	27
62	Mapping of global R1 and R2* values versus lipids R1 values as potential markers of hypoxia in human glial tumors: A feasibility study. <i>Magnetic Resonance Imaging</i> , 2016, 34, 105-113.	1.0	10
63	Impact of Oxygenation Status on <sup>18</sup> F-FDG Uptake in Solid Tumors. <i>Advances in Experimental Medicine and Biology</i> , 2016, 876, 201-207.	0.8	1
64	Autologous Adipose Stromal Cells Seeded onto a Human Collagen Matrix for Dermal Regeneration in Chronic Wounds. <i>Plastic and Reconstructive Surgery</i> , 2015, 136, 279-295.	0.7	45
65	Application of Electron Paramagnetic Resonance (EPR) Oximetry to Monitor Oxygen in Wounds in Diabetic Models. <i>PLoS ONE</i> , 2015, 10, e0144914.	1.1	20
66	The increase in tumor oxygenation under carbogen breathing induces a decrease in the uptake of [ <sup>18</sup> F]-fluoro-deoxy-glucose. <i>Radiotherapy and Oncology</i> , 2015, 116, 400-403.	0.3	8
67	Predictive value of <sup>18</sup> F-FAZA PET imaging for guiding the association of radiotherapy with nimorazole: A preclinical study. <i>Radiotherapy and Oncology</i> , 2015, 114, 189-194.	0.3	22
68	Variability of Mouse Left Ventricular Function Assessment by 11.7-Tesla MRI. <i>Journal of Cardiovascular Translational Research</i> , 2015, 8, 362-371.	1.1	8
69	<i>In vivo</i> visualization and <i>ex vivo</i> 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, 367-375.	1.6	10
70	Tumor Targeting by RGD-Grafted PLGA-Based Nanotheranostics Loaded with Paclitaxel and Superparamagnetic Iron Oxides. <i>Methods in Pharmacology and Toxicology</i> , 2015, , 1-17.	0.1	1
71	Electron paramagnetic resonance: a powerful tool to support magnetic resonance imaging research. <i>Contrast Media and Molecular Imaging</i> , 2015, 10, 266-281.	0.4	29
72	Tooth Retrospective Dosimetry Using Electron Paramagnetic Resonance: Influence of Irradiated Dental Composites. <i>PLoS ONE</i> , 2015, 10, e0131913.	1.1	6

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73	Oxygen Mapping within Healthy and Acutely Infarcted Brain Tissue in Humans Using the NMR Relaxation of Lipids: A Proof-Of-Concept Translational Study. PLoS ONE, 2015, 10, e0135248.	1.1	8
74	<sup>89</sup> Zr-labeled anti-endoglin antibody-targeted gold nanoparticles for imaging cancer: implications for future cancer therapy. Nanomedicine, 2014, 9, 1923-1937.	1.7	33
75	Multimodal cell tracking of a spontaneous metastasis model: comparison between MRI, electron paramagnetic resonance and bioluminescence. Contrast Media and Molecular Imaging, 2014, 9, 143-153.	0.4	17
76	Influence of paramagnetic melanin on the MRI contrast in melanoma: a combined high-field (11.7 T) MRI and EPR study. Contrast Media and Molecular Imaging, 2014, 9, 154-160.	0.4	14
77	Tetrathiatriarylmethyl Radicals Conjugated to an RGD-peptidomimetic. European Journal of Organic Chemistry, 2014, 2014, 8077-8084.	1.2	10
78	Potential role of hypoxia imaging using 18F-FAZA PET to guide hypoxia-driven interventions (carbogen) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.5	28
79	Ultra-fast light-curing resin composite with increased conversion and reduced monomer elution. Dental Materials, 2014, 30, 594-604.	1.6	69
80	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, 1403-1412.	1.6	9
81	A Mitochondrial Switch Promotes Tumor Metastasis. Cell Reports, 2014, 8, 754-766.	2.9	478
82	Qualification of a Noninvasive Magnetic Resonance Imaging Biomarker to Assess Tumor Oxygenation. Clinical Cancer Research, 2014, 20, 5403-5411.	3.2	23
83	Comparison of active, passive and magnetic targeting to tumors of multifunctional paclitaxel/SPIO-loaded nanoparticles for tumor imaging and therapy. Journal of Controlled Release, 2014, 194, 82-91.	4.8	194
84	Dynamic contrast-enhanced MRI in mice at high field: Estimation of the arterial input function can be achieved by phase imaging. Magnetic Resonance in Medicine, 2014, 71, 544-550.	1.9	8
85	Improvement of Subcutaneous Bioartificial Pancreas Vascularization and Function by Coencapsulation of Pig Islets and Mesenchymal Stem Cells in Primates. Cell Transplantation, 2014, 23, 1349-1364.	1.2	80
86	Hexafluorobenzene in comparison with perfluoro-1,5-crown-5-ether for repeated monitoring of oxygenation using <sup>19</sup> F MRI in a mouse model. Magnetic Resonance in Medicine, 2013, 69, 248-254.	1.9	45
87	Optimization of Tumor Radiotherapy With Modulators of Cell Metabolism: Toward Clinical Applications. Seminars in Radiation Oncology, 2013, 23, 262-272.	1.0	24
88	RGD-conjugated triarylmethyl radical as probe for electron paramagnetic imaging. Tetrahedron Letters, 2013, 54, 5924-5926.	0.7	14
89	Potentiation of radiotherapy by a localized antiangiogenic gene therapy. Radiotherapy and Oncology, 2013, 107, 252-258.	0.3	13
90	Dual anticancer drug/superparamagnetic iron oxide-loaded PLGA-based nanoparticles for cancer therapy and magnetic resonance imaging. International Journal of Pharmaceutics, 2013, 447, 94-101.	2.6	196

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91	Multimodal imaging of tumor response to sorafenib combined with radiation therapy: comparison between diffusion-weighted MRI, choline spectroscopy and <sup>18</sup> F-FLT PET imaging. Contrast Media and Molecular Imaging, 2013, 8, 274-280.	0.4	8
92	Mapping of oxygen by imaging lipids relaxation enhancement: A potential sensitive endogenous MRI contrast to map variations in tissue oxygenation. Magnetic Resonance in Medicine, 2013, 70, 732-744.	1.9	41
93	Electron Paramagnetic Resonance Spectrometry and Imaging in Melanomas: Comparison between Pigmented and Nonpigmented Human Malignant Melanomas. Molecular Imaging, 2013, 12, 7290.2012.00037.	0.7	18
94	Influence of Cell Detachment on the Respiration Rate of Tumor and Endothelial Cells. PLoS ONE, 2013, 8, e53324.	1.1	33
95	Influence of Free Radicals Signal from Dental Resins on the Radio-Induced Signal in Teeth in EPR Retrospective Dosimetry. PLoS ONE, 2013, 8, e62225.	1.1	5
96	Tumor Reoxygenation Following Administration of the EGFR Inhibitor, Gefitinib, in Experimental Tumors. Advances in Experimental Medicine and Biology, 2013, 789, 265-271.	0.8	6
97	Application of MOBILE (Mapping of Oxygen By Imaging Lipids relaxation Enhancement) to Study Variations in Tumor Oxygenation. Advances in Experimental Medicine and Biology, 2013, 789, 281-288.	0.8	7
98	Arsenic Trioxide Treatment Decreases the Oxygen Consumption Rate of Tumor Cells and Radiosensitizes Solid Tumors. Cancer Research, 2012, 72, 482-490.	0.4	116
99	Tumor reoxygenation following administration of Mitogen-Activated Protein Kinase inhibitors: A rationale for combination with radiation therapy. Radiotherapy and Oncology, 2012, 105, 64-71.	0.3	17
100	Hypoxia imaging with the nitroimidazole <sup>18</sup> F-FAZA PET tracer: A comparison with OxyLite, EPR oximetry and <sup>19</sup> F-MRI relaxometry. Radiotherapy and Oncology, 2012, 105, 29-35.	0.3	66
101	Spectral spatial electron paramagnetic resonance imaging as a tool to study photoactive dimethacrylate-based dental resins. Journal of Magnetic Resonance, 2012, 220, 45-53.	1.2	12
102	Endotoxin-induced basal respiration alterations of renal HK-2 cells: A sign of pathologic metabolism down-regulation. Biochemical and Biophysical Research Communications, 2012, 423, 350-354.	1.0	20
103	Configurationaly Stable Tris(tetrathioaryl)methyl Molecular Propellers. European Journal of Organic Chemistry, 2012, 2012, 6517-6525.	1.2	6
104	A phosphonated triarylmethyl radical as a probe for measurement of pH by EPR. Chemical Communications, 2012, 48, 4049.	2.2	37
105	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, 302-307.	0.4	18
106	Optimization of electron paramagnetic resonance imaging for visualization of human skin melanoma in various stages of invasion. Experimental Dermatology, 2012, 21, 341-346.	1.4	23
107	Multimodal assessment of early tumor response to chemotherapy: comparison between diffusion-weighted MRI, <sup>1</sup> H-MR spectroscopy of choline and USPIO particles targeted at cell death. NMR in Biomedicine, 2012, 25, 514-522.	1.6	17
108	Targeting the Lactate Transporter MCT1 in Endothelial Cells Inhibits Lactate-Induced HIF-1 Activation and Tumor Angiogenesis. PLoS ONE, 2012, 7, e33418.	1.1	412



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109	Electron Paramagnetic Resonance Highlights That the Oxygen Effect Contributes to the Radiosensitizing Effect of Paclitaxel. PLoS ONE, 2012, 7, e40772.	1.1	21
110	Chiral properties of tetrathiatriarylmethyl spin probes. Chemical Communications, 2011, 47, 4793.	2.2	27
111	Macrophage skewing by Phd2 haplo deficiency prevents ischaemia by inducing arteriogenesis. Nature, 2011, 479, 122-126.	13.7	265
112	Assessment of melanoma extent and melanoma metastases invasion using electron paramagnetic resonance and bioluminescence imaging. Contrast Media and Molecular Imaging, 2011, 6, 282-288.	0.4	14
113	The impact of hyperglycemia and the presence of encapsulated islets on oxygenation within a bioartificial pancreas in the presence of mesenchymal stem cells in a diabetic Wistar rat model. Biomaterials, 2011, 32, 5945-5956.	5.7	51
114	<i>In vivo</i> mapping of tumor oxygen consumption using <sup>19</sup> F MRI relaxometry. NMR in Biomedicine, 2011, 24, 458-463.	1.6	21
115	The Contribution of Electron Paramagnetic Resonance to Melanoma Research. Journal of Skin Cancer, 2011, 2011, 1-6.	0.5	18
116	Noninvasive mapping of spontaneous fluctuations in tumor oxygenation using MRI. Medical Physics, 2010, 37, 5434-5441.	1.6	44
117	Experimental determination of the radial dose distribution in high gradient regions around wires: Comparison of electron paramagnetic resonance imaging, films, and Monte Carlo simulations. Medical Physics, 2010, 37, 5448-5455.	1.6	7
118	Hydroxyl radical release from dental resins: Electron paramagnetic resonance evidence. Acta Biomaterialia, 2010, 6, 3193-3198.	4.1	13
119	Iron oxide particles covered with hexapeptides targeted at phosphatidylserine as MR biomarkers of tumor cell death. Contrast Media and Molecular Imaging, 2010, 5, 258-267.	0.4	24
120	Surrogate MR markers of response to chemo- or radiotherapy in association with co-treatments: a retrospective analysis of multi-modal studies. Contrast Media and Molecular Imaging, 2010, 5, 323-332.	0.4	24
121	Use of Xanthinol Nicotinate as a co-treatment for radio- and chemo-therapy in experimental tumors. International Journal of Cancer, 2010, 126, 583-588.	2.3	11
122	Comparison of methods for measuring oxygen consumption in tumor cells in vitro. Analytical Biochemistry, 2010, 396, 250-256.	1.1	84
123	Irradiation Modes™ Impact on Radical Entrapment in Photoactive Resins. Journal of Dental Research, 2010, 89, 1494-1498.	2.5	46
124	Matrix-Binding Vascular Endothelial Growth Factor (VEGF) Isoforms Guide Granule Cell Migration in the Cerebellum via VEGF Receptor Flk1. Journal of Neuroscience, 2010, 30, 15052-15066.	1.7	75
125	NADPH oxidase-mediated reactive oxygen species production activates hypoxia-inducible factor-1 (HIF-1) via the ERK pathway after hyperthermia treatment. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20477-20482.	3.3	130
126	<i>In Vivo</i> Selection of Biocompatible Alginates for Islet Encapsulation and Subcutaneous Transplantation. Tissue Engineering - Part A, 2010, 16, 1503-1513.	1.6	86



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127	Captopril and S-nitrosocaptopril as potent radiosensitizers: Comparative study and underlying mechanisms. <i>Cancer Letters</i> , 2010, 293, 213-219.	3.2	26
128	Decrease in Tumor Cell Oxygen Consumption after Treatment with Vandetanib (ZACTIMA <sup>®</sup> ; ZD6474) and its Effect on Response to Radiotherapy. <i>Radiation Research</i> , 2009, 172, 584-591.	0.7	39
129	Rapid monitoring of oxygenation by <sup>19</sup> F magnetic resonance imaging: Simultaneous comparison with fluorescence quenching. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 634-638.	1.9	55
130	Evaluation of the dose distribution gradient in the close vicinity of brachytherapy seeds using electron paramagnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 1225-1231.	1.9	8
131	Assessment of liver phagocytic activity using EPR spectrometry and imaging. <i>Magnetic Resonance Imaging</i> , 2009, 27, 565-569.	1.0	6
132	Nano-emulsions of fluorinated trityl radicals as sensors for EPR oximetry. <i>Journal of Magnetic Resonance</i> , 2009, 197, 176-180.	1.2	24
133	Nitric oxide delivery to cancer: Why and how?. <i>European Journal of Cancer</i> , 2009, 45, 1352-1369.	1.3	87
134	Electron paramagnetic resonance as a tool to evaluate human ovarian tissue reoxygenation after xenografting. <i>Fertility and Sterility</i> , 2009, 92, 374-381.	0.5	160
135	Heterozygous Deficiency of PHD2 Restores Tumor Oxygenation and Inhibits Metastasis via Endothelial Normalization. <i>Cell</i> , 2009, 136, 839-851.	13.5	727
136	A New EPR Oximetry Protocol to Estimate the Tissue Oxygen Consumption In Vivo. <i>Radiation Research</i> , 2009, 172, 220-225.	0.7	21
137	<sup>19</sup> F EPR imaging as a tool for gradient dose reconstruction in irradiated bones. <i>Medical Physics</i> , 2009, 36, 4223-4229.	1.6	8
138	In Vivo Detection of Inflammation Using Pegylated Iron Oxide Particles Targeted at E-Selectin. <i>Investigative Radiology</i> , 2009, 44, 398-404.	3.5	58
139	<sup>19</sup> 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.	1.9	21
140	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
141	Synthesis of two persistent fluorinated tetrathiatriarylmethyl (TAM) radicals for biomedical EPR applications. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 4291-4293.	1.0	21
142	Deficiency or inhibition of oxygen sensor Phd1 induces hypoxia tolerance by reprogramming basal metabolism. <i>Nature Genetics</i> , 2008, 40, 170-180.	9.4	433
143	EPR Spectroscopy and Imaging of Free Radicals in Food. <i>Israel Journal of Chemistry</i> , 2008, 48, 19-26.	1.0	11
144	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

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145	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
146	Retrievable micro-inserts containing oxygen sensors for monitoring tissue oxygenation using EPR oximetry. <i>Physiological Measurement</i> , 2008, 29, 1247-1254.	1.2	10
147	Glucocorticoids Modulate Tumor Radiation Response through a Decrease in Tumor Oxygen Consumption. <i>Clinical Cancer Research</i> , 2007, 13, 630-635.	3.2	48
148	Thyroid Status is a Key Modulator of Tumor Oxygenation: Implication for Radiation Therapy. <i>Radiation Research</i> , 2007, 168, 428-432.	0.7	21
149	BiodosEPR-2006 Meeting: Acute dosimetry consensus committee recommendations on biodosimetry applications in events involving uses of radiation by terrorists and radiation accidents. <i>Radiation Measurements</i> , 2007, 42, 972-996.	0.7	115
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