Harold M Swartz

List of Publications by Year
in descending order

179 papers	6,812 citations	50244 46 h-index	82499 72 g-index
182 all docs	182 docs citations	182 times ranked	3993 citing authors

#	Article	IF	Citations
1	Effects of Ultraviolet Rays on L-Band In Vivo EPR Dosimetry Using Tooth Enamel. Applied Magnetic Resonance, 2022, 53, 305-318.	0.6	7
2	Interaction of Melanin with Metal Ions Modulates Their Cytotoxic Potential. Applied Magnetic Resonance, 2022, 53, 105-121.	0.6	16
3	RF/Microwave Resonators for Preclinical and Clinical EPR Applications: Current Status and Challenges. Applied Magnetic Resonance, 2022, 53, 167-191.	0.6	4
4	In Vivo CW-EPR Spectrometer Systems for Dosimetry and Oximetry in Preclinical and Clinical Applications. Applied Magnetic Resonance, 2022, 53, 123-143.	0.6	9
5	Flexible Segmented Surface Coil Resonator for In Vivo EPR Measurements in Human Subjects. Applied Magnetic Resonance, 2022, 53, 145.	0.6	3
6	What if a major radiation incident happened during a pandemic? â€“ Considerations of the impact on biodosimetry. International Journal of Radiation Biology, 2022, 98, 825-830.	1.0	3
7	Radiation Medical Countermeasures and Use of EPR Biodosimetry to Facilitate Effectiveness of Applied Clinical Procedures. Applied Magnetic Resonance, 2022, 53, 289-303.	0.6	1
8	History of EPR Studies from the H.M. Swartz Laboratories: Part 1â€”Free Radicals and Paramagnetic Metals in Biological Systems and Associated EPR Instrumental Developments. Applied Magnetic Resonance, 2022, 53, 47.	0.6	0
9	History of EPR Studies from the H. M. Swartz Laboratories: Part 3â€”EPR Oximetry. Applied Magnetic Resonance, 2022, 53, 81-103.	0.6	0
10	History of EPR Studies from the H.M. Swartz Laboratories: Part 2â€”EPR Biodosimetry. Applied Magnetic Resonance, 2022, 53, 65-79.	0.6	2
11	In Vivo Partial Oxygen Pressure Assessment in Subcutaneous and Intraperitoneal Sites Using Imaging of Solid Oxygen Probe. Tissue Engineering - Part C: Methods, 2022, 28, 264-271.	1.1	9
12	What Is the Meaning of an Oxygen Measurement?. Advances in Experimental Medicine and Biology, 2021, 1269, 301-308.	0.8	3
13	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
14	Dependence of Radiation-induced Signals on Geometry of Tooth Enamel Using a 1.15 GHz Electron Paramagnetic Resonance Spectrometer: Improvement of Dosimetric Accuracy. Health Physics, 2021, 120, 152-162.	0.3	6
15	Oxygenation Status of Malignant Tumors vs. Normal Tissues: Critical Evaluation and Updated Data Source Based on Direct Measurements with pO2 Microsensors. Applied Magnetic Resonance, 2021, 52, 1451-1479.	0.6	25
16	Evaluation of a Refined Implantable Resonator for Deep-Tissue EPR Oximetry in the Clinic. Applied Magnetic Resonance, 2021, 52, 1321-1342.	0.6	3
17	Quantification of Oxygen Depletion During FLASH Irradiation In Vitro and In Vivo. International Journal of Radiation Oncology Biology Physics, 2021, 111, 240-248.	0.4	93
18	First-In-Human Study in Cancer Patients Establishing the Feasibility of Oxygen Measurements in Tumors Using Electron Paramagnetic Resonance With the OxyChip. Frontiers in Oncology, 2021, 11, 743256.	1.3	12

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19	NIH Workshop 2018: Towards Minimally Invasive or Noninvasive Approaches to Assess Tissue Oxygenation Pre- and Post-transfusion. Transfusion Medicine Reviews, 2021, 35, 46-55.	0.9	6
20	OxyChip Implantation and Subsequent Electron Paramagnetic Resonance Oximetry in Human Tumors Is Safe and Feasible: First Experience in 24 Patients. Frontiers in Oncology, 2020, 10, 572060.	1.3	15
21	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
22	The clinical utility of imaging methods used to measure hypoxia in cervical cancer. British Journal of Radiology, 2020, 93, 20190640.	1.0	9
23	Electron paramagnetic resonance oximetry as a novel approach to monitor the effectiveness and quality of red blood cell transfusions. Blood Transfusion, 2019, 17, 296-306.	0.3	6
24	Developments in Biodosimetry Methods for Triage With a Focus on X-band Electron Paramagnetic Resonance In Vivo Fingernail Dosimetry. Health Physics, 2018, 115, 140-150.	0.3	19
25	Guidance to Transfer â€˜Bench-Readyâ€™ Medical Technology into Usual Clinical Practice: Case Study â€“ Sensors and Spectrometer Used in EPR Oximetry. Advances in Experimental Medicine and Biology, 2018, 1072, 233-239.	0.8	13
26	Development of a novel mouth model as an alternative tool to test the effectiveness of an in vivo EPR dosimetry system. Physics in Medicine and Biology, 2018, 63, 165002.	1.6	6
27	Dynamic EPR Oximetry of Changes in Intracerebral Oxygen Tension During Induced Thromboembolism. Cell Biochemistry and Biophysics, 2017, 75, 285-294.	0.9	12
28	In Vivo Electron Paramagnetic Resonance Tooth Dosimetry. Health Physics, 2017, 113, 262-270.	0.3	8
29	Using India Ink as a Sensor for Oximetry: Evidence of its Safety as a Medical Device. Advances in Experimental Medicine and Biology, 2017, 977, 297-312.	0.8	16
30	Development of the Implantable Resonator System for Clinical EPR Oximetry. Cell Biochemistry and Biophysics, 2017, 75, 275-283.	0.9	14
31	POSSIBLE NATURE OF THE RADIATION-INDUCED SIGNAL IN NAILS: HIGH-FIELD EPR, CONFIRMING CHEMICAL SYNTHESIS, AND QUANTUM CHEMICAL CALCULATIONS. Radiation Protection Dosimetry, 2016, 172, 112-120.	0.4	14
32	Using Stable Free Radicals to Obtain Unique and Clinically Useful DataIn Vivoin Human Subjects. Radiation Protection Dosimetry, 2016, 172, 3-15.	0.4	10
33	Advances in in vivo EPR Tooth BIOdosimetry: Meeting the targets for initial triage following a large-scale radiation event. Radiation Protection Dosimetry, 2016, 172, 72-80.	0.4	25
34	Dielectric-Backed Aperture Resonators for X-Bandin vivoEPR Nail Dosimetry. Radiation Protection Dosimetry, 2016, 172, 121-126.	0.4	9
35	In vivo high-resolution magic angle spinning magnetic and electron paramagnetic resonance spectroscopic analysis of mitochondria-targeted peptide in Drosophila melanogaster with trauma-induced thoracic injury. International Journal of Molecular Medicine, 2016, 37, 299-308.	1.8	8
36	Determination of the Average Native Background and the Light-Induced EPR Signals and their Variation in the Teeth Enamel Based on Large-Scale Survey of the Population. Radiation Protection Dosimetry, 2016, 172, 265-274.	0.4	7

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37	IN-VIVO RADIATION DOSIMETRY USING PORTABLE L BAND EPR: ON-SITE MEASUREMENT OF VOLUNTEERS IN FUKUSHIMA PREFECTURE, JAPAN. Radiation Protection Dosimetry, 2016, 172, 248-253.	0.4	14
38	EPR Oximetry for Investigation of Hyperbaric O2 Pre-treatment for Tumor Radiosensitization. Advances in Experimental Medicine and Biology, 2016, 923, 367-374.	0.8	4
39	Comparing the Effectiveness of Methods to Measure Oxygen in Tissues for Prognosis and Treatment of Cancer. Advances in Experimental Medicine and Biology, 2016, 923, 113-120.	0.8	11
40	ROC Analysis for Evaluation of Radiation Biodosimetry Technologies. Radiation Protection Dosimetry, 2016, 172, 145-151.	0.4	9
41	Surface Dielectric Resonators for X-band EPR Spectroscopy. Radiation Protection Dosimetry, 2016, 172, 127-132.	0.4	8
42	Direct and Repeated Clinical Measurements of pO2 for Enhancing Cancer Therapy and Other Applications. Advances in Experimental Medicine and Biology, 2016, 923, 95-104.	0.8	22
43	FLEXIBLE, WIRELESS, INDUCTIVELY COUPLED SURFACE COIL RESONATOR FOR EPR TOOTH DOSIMETRY. Radiation Protection Dosimetry, 2016, 172, 87-95.	0.4	14
44	Evolution and Optimization of Tooth Models for TestingIn VivoEPR Tooth Dosimetry. Radiation Protection Dosimetry, 2016, 172, 152-160.	0.4	6
45	Temporal variation in the response of tumors to hyperoxia with breathing carbogen and oxygen. Medical Gas Research, 2016, 6, 138.	1.2	4
46	Monitoring oxygen levels in orthotopic human glioma xenograft following carbogen inhalation and chemotherapy by implantable resonatorâ€based oximetry. International Journal of Cancer, 2015, 136, 1688-1696.	2.3	19
47	Direct and Repeated Measurement of Heart and Brain Oxygenation Using In Vivo EPR Oximetry. Methods in Enzymology, 2015, 564, 529-552.	0.4	23
48	Deep-Tissue Oxygen Monitoring in the Brain of Rabbits for Stroke Research. Stroke, 2015, 46, e62-6.	1.0	21
49	A Coaxial Dielectric Probe Technique for Distinguishing Tooth Enamel from Dental Resin. Advances in Biomedical Engineering Research, 2015, 3, 8.	0.2	10
50	A microwave resonator for limiting depth sensitivity for electron paramagnetic resonance spectroscopy of surfaces. Review of Scientific Instruments, 2014, 85, 104707.	0.6	15
51	Advances in a framework to compare bio-dosimetry methods for triage in large-scale radiation events. Radiation Protection Dosimetry, 2014, 159, 77-86.	0.4	30
52	Real-time monitoring of ischemic and contralateral brain pO2 during stroke by variable length multisite resonators. Magnetic Resonance Imaging, 2014, 32, 563-569.	1.0	8
53	Overview of the principles and practice of biodosimetry. Radiation and Environmental Biophysics, 2014, 53, 221-232.	0.6	58
54	Clinical EPR. Academic Radiology, 2014, 21, 197-206.	1.3	74

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55	Design and Evaluation of a 1.1-GHz Surface Coil Resonator for Electron Paramagnetic Resonance-Based Tooth Dosimetry. IEEE Transactions on Biomedical Engineering, 2014, 61, 1894-1901.	2.5	17
56	Development and validation of an ex vivo electron paramagnetic resonance fingernail biodosimetric method. Radiation Protection Dosimetry, 2014, 159, 172-181.	0.4	25
57	In vivo EPR tooth dosimetry for triage after a radiation event involving large populations. Radiation and Environmental Biophysics, 2014, 53, 335-346.	0.6	52
58	Advances in Probes and Methods for Clinical EPR Oximetry. Advances in Experimental Medicine and Biology, 2014, 812, 73-79.	0.8	36
59	Standard error of inverse prediction for doseâ€“response relationship: approximate and exact statistical inference. Statistics in Medicine, 2013, 32, 2048-2061.	0.8	19
60	Assessment of the Changes in 9L and C6 Glioma pO₂by EPR Oximetry as a Prognostic Indicator of Differential Response to Radiotherapy. Radiation Research, 2013, 179, 343-351.	0.7	17
61	Lâ€band surfaceâ€coil resonator with voltageâ€control impedanceâ€matching for EPR tooth dosimetry. Concepts in Magnetic Resonance Part B, 2013, 43B, 32-40.	0.3	11
62	Electron Paramagnetic Resonance Dosimetry for a Large-Scale Radiation Incident. Health Physics, 2012, 103, 255-267.	0.3	43
63	Dynamic changes in oxygenation of intracranial tumor and contralateral brain during tumor growth and carbogen breathing: A multisite EPR oximetry with implantable resonators. Journal of Magnetic Resonance, 2012, 214, 22-28.	1.2	31
64	Repeated assessment of orthotopic glioma pO2 by multi-site EPR oximetry: A technique with the potential to guide therapeutic optimization by repeated measurements of oxygen. Journal of Neuroscience Methods, 2012, 204, 111-117.	1.3	23
65	Synergistic Combination of Hyperoxygenation and Radiotherapy by Repeated Assessments of Tumor pO2 with EPR Oximetry. Journal of Radiation Research, 2011, 52, 568-574.	0.8	13
66	Mechanical Stability Affects Angiogenesis During Early Fracture Healing. Journal of Orthopaedic Trauma, 2011, 25, 494-499.	0.7	38
67	The evaluation of new and isotopically labeled isoindoline nitroxides and an azaphenalene nitroxide for EPR oximetry. Journal of Magnetic Resonance, 2011, 211, 170-177.	1.2	25
68	A deployable in vivo EPR tooth dosimeter for triage after a radiation event involving large populations. Radiation Measurements, 2011, 46, 772-777.	0.7	61
69	Advances towards using finger/toenail dosimetry to triage a large population after potential exposure to ionizing radiation. Radiation Measurements, 2011, 46, 882-887.	0.7	24
70	Physically-based biodosimetry using in vivo EPR of teeth in patients undergoing total body irradiation. International Journal of Radiation Biology, 2011, 87, 766-775.	1.0	37
71	DEVELOPMENT OF IN VIVO TOOTH EPR FOR INDIVIDUAL RADIATION DOSE ESTIMATION AND SCREENING. Health Physics, 2010, 98, 327-338.	0.3	39
72	A CRITICAL ASSESSMENT OF BIODOSIMETRY METHODS FOR LARGE-SCALE INCIDENTS. Health Physics, 2010, 98, 95-108.	0.3	60

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73	SURFACE LOOP RESONATOR DESIGN FOR IN VIVO EPR TOOTH DOSIMETRY USING FINITE ELEMENT ANALYSIS. Health Physics, 2010, 98, 339-344.	0.3	22
74	PROPOSED TRIAGE CATEGORIES FOR LARGE-SCALE RADIATION INCIDENTS USING HIGH-ACCURACY BIODOSIMETRY METHODS. Health Physics, 2010, 98, 136-144.	0.3	42
75	THE VIEW FROM THE TRENCHES: PART 2â€“TECHNICAL CONSIDERATIONS FOR EPR SCREENING. Health Physics, 2010, 98, 128-135.	0.3	6
76	DOSIMETRY BASED ON EPR SPECTRAL ANALYSIS OF FINGERNAIL CLIPPINGS. Health Physics, 2010, 98, 309-317.	0.3	39
77	Clinical Electron Paramagnetic Resonance (EPR) Oximetry Using India Ink. Advances in Experimental Medicine and Biology, 2010, 662, 149-156.	0.8	44
78	Implantable Resonators - A Technique for Repeated Measurement of Oxygen at Multiple Deep Sites with In Vivo EPR. Advances in Experimental Medicine and Biology, 2010, 662, 265-272.	0.8	19
79	Oxygen sensitivity and biocompatibility of an implantable paramagnetic probe for repeated measurements of tissue oxygenation. Biomedical Microdevices, 2009, 11, 817-826.	1.4	47
80	Radiotherapy in Conjunction with 7-Hydroxystaurosporine: A Multimodal Approach with Tumor pO₂as a Potential Marker of Therapeutic Response. Radiation Research, 2009, 172, 592-597.	0.7	6
81	Radiation Dose Prediction Using Data on Time to Emesis in the Case of Nuclear Terrorism. Radiation Research, 2009, 171, 310-319.	0.7	60
82	Repeated tumor pO2 measurements by multi-site EPR oximetry as a prognostic marker for enhanced therapeutic efficacy of fractionated radiotherapy. Radiotherapy and Oncology, 2009, 91, 126-131.	0.3	47
83	Tissue oxygenation in a murine SCC VII tumor after X-ray irradiation as determined by EPR spectroscopy. Radiotherapy and Oncology, 2008, 86, 354-360.	0.3	24
84	Burn trauma in skeletal muscle results in oxidative stress as assessed by in vivo electron paramagnetic resonance. Molecular Medicine Reports, 2008, 1, 813-819.	1.1	15
85	High Spatial Resolution Multisite EPR Oximetry of Transient Focal Cerebral Ischemia in the Rat. Antioxidants and Redox Signaling, 2007, 9, 1691-1698.	2.5	17
86	The Effects of Efaproxynâ„¢ (Efaproxiral) on Subcutaneous RIF-1 Tumor Oxygenation and Enhancement of Radiotherapy-Mediated Inhibition of Tumor Growth in Mice. Radiation Research, 2007, 168, 218-225.	0.7	30
87	On Tissue Oxygen and Hypoxia. Antioxidants and Redox Signaling, 2007, 9, 1111-1114.	2.5	7
88	Repetitive Tissue pO2 Measurements by Electron Paramagnetic Resonance Oximetry: Current Status and Future Potential for Experimental and Clinical Studies. Antioxidants and Redox Signaling, 2007, 9, 1169-1182.	2.5	121
89	Use of Electron Paramagnetic Resonance Spectroscopy to Evaluate the Redox StateIn Vivo. Antioxidants and Redox Signaling, 2007, 9, 1757-1772.	2.5	89
90	Measurements of Oxygen In Vivo: Overview and Perspectives on Methods to Measure Oxygen Within Cells and Tissues. Antioxidants and Redox Signaling, 2007, 9, 1295-1302.	2.5	78

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91	Experimental procedures for sensitive and reproducible in situ EPR tooth dosimetry. Radiation Measurements, 2007, 42, 1094-1098.	0.7	23
92	In vivo EPR for dosimetry. Radiation Measurements, 2007, 42, 1075-1084.	0.7	64
93	BiodosEPR-2006 Meeting: Acute dosimetry consensus committee recommendations on biodosimetry applications in events involving uses of radiation by terrorists and radiation accidents. Radiation Measurements, 2007, 42, 972-996.	0.7	115
94	Implementing EPR dosimetry for life-threatening incidents: Factors beyond technical performance. Radiation Measurements, 2007, 42, 1099-1109.	0.7	11
95	Hypoxia: Importance in tumor biology, noninvasive measurement by imaging, and value of its measurement in the management of cancer therapy. International Journal of Radiation Biology, 2006, 82, 699-757.	1.0	561
96	In vivo EPR dosimetry to quantify exposures to clinically significant doses of ionising radiation. Radiation Protection Dosimetry, 2006, 120, 163-170.	0.4	42
97	Measurements of clinically significant doses of ionizing radiation using non-invasive in vivo EPR spectroscopy of teeth in situ. Applied Radiation and Isotopes, 2005, 62, 293-299.	0.7	41
98	Differentiation of the observed low frequency (1200MHz) EPR signals in whole human teeth. Applied Radiation and Isotopes, 2005, 62, 133-139.	0.7	17
99	In vivo measurements of EPR signals in whole human teeth. Applied Radiation and Isotopes, 2005, 62, 187-190.	0.7	27
100	Seeing is believingâ€"visualizing drug delivery in vitro and in vivo. Advanced Drug Delivery Reviews, 2005, 57, 1085-1086.	6.6	6
101	Black Magic and EPR Oximetry. , 2005, 566, 119-125.		32
102	Simultaneous NIR-EPR Spectroscopy of Rat Brain Oxygenation. , 2005, 566, 357-362.		8
103	â€œDistant spin trappingâ€• a method for expanding the availability of spin trapping measurements. Journal of Proteomics, 2005, 62, 125-130.	2.4	4
104	Using EPR to Measure a Critical but Often Unmeasured Component of Oxidative Damage: Oxygen. Antioxidants and Redox Signaling, 2004, 6, 677-686.	2.5	53
105	Clinical applications of EPR: overview and perspectives. NMR in Biomedicine, 2004, 17, 335-351.	1.6	133
106	Effect of RSR13, an allosteric hemoglobin modifier, on oxygenation in murine tumors: an in vivo electron paramagnetic resonance oximetry and bold MRI study. International Journal of Radiation Oncology Biology Physics, 2004, 59, 834-843.	0.4	34
107	Spin traps: in vitro toxicity and stability of radical adducts. Free Radical Biology and Medicine, 2003, 34, 1473-1481.	1.3	108
108	An improved external loop resonator for in vivo L-band EPR spectroscopy. Journal of Magnetic Resonance, 2003, 164, 54-59.	1.2	47

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109	Plasma Membrane Cholesterol:Â A Possible Barrier to Intracellular Oxygen in Normal and Mutant CHO Cells Defective in Cholesterol Metabolismâ€. Biochemistry, 2003, 42, 23-29.	1.2	51
110	Electron Paramagnetic Resonance Assessment of Brain Tissue Oxygen Tension in Anesthetized Rats. Anesthesia and Analgesia, 2003, 96, 1467-1472.	1.1	47
111	Measurements of Oxygen in Tissues: Overview and Perspectives on Methods. Advances in Experimental Medicine and Biology, 2003, 530, 1-12.	0.8	45
112	The Effects of Anesthesia on Cerebral Tissue Oxygen Tension: Use of Epr Oximetry to Make Repeated Measurements. Advances in Experimental Medicine and Biology, 2003, 530, 569-575.	0.8	11
113	Measurements in vivo of parameters pertinent to ROS/RNS using EPR spectroscopy. Molecular and Cellular Biochemistry, 2002, 234/235, 341-357.	1.4	43
114	The Evolution of Bioluminescent Oxygen Consumption as an Ancient Oxygen Detoxification Mechanism. Journal of Molecular Evolution, 2001, 52, 321-332.	0.8	39
115	Development of biocompatible oxygen-permeable films holding paramagnetic carbon particles: Evaluation of their performance and stability in EPR oximetry. Magnetic Resonance in Medicine, 2001, 46, 610-614.	1.9	26
116	High Spatial Resolution Multi-Site EPR Oximetry. Journal of Magnetic Resonance, 2001, 152, 247-258.	1.2	34
117	Estimation of Oxygen Distribution in RIF-1 Tumors by Diffusion Model-Based Interpretation of Pimonidazole Hypoxia and Eppendorf Measurements. Radiation Research, 2001, 155, 15-25.	0.7	89
118	Characteristics of an electronically tunable surface-coil-type resonator for L-band electron paramagnetic resonance spectroscopy. Review of Scientific Instruments, 2001, 72, 2839-2841.	0.6	24
119	FIREFLY FLASHING IS CONTROLLED BY GATING OXYGEN TO LIGHT-EMITTING CELLS. Journal of Experimental Biology, 2001, 204, 2795-2801.	0.8	36
120	Electronically Tunable Surface-Coil-Type Resonator for L-Band EPR Spectroscopy. Journal of Magnetic Resonance, 2000, 142, 159-167.	1.2	96
121	In vivo EPR dosimetry of accidental exposures to radiation: experimental results indicating the feasibility of practical use in human subjects. Applied Radiation and Isotopes, 2000, 52, 1031-1038.	0.7	54
122	Evaluation of DEPMPO as a spin trapping agent in biological systems. Free Radical Biology and Medicine, 1999, 26, 714-721.	1.3	85
123	Trapping of free radicals with direct in vivo EPR detection: a comparison of 5,5-dimethyl-1-pyrroline-N-oxide and 5-diethoxyphosphoryl-5-methyl-1-pyrroline-N-oxide as spin traps for HO and SO4â€¢â¯. Free Radical Biology and Medicine, 1999, 27, 329-333.	1.3	260
124	Simultaneous Measurement of NOâ€¢ and PO2 from Tissue by in Vivo EPR. Nitric Oxide - Biology and Chemistry, 1999, 3, 292-301.	1.2	27
125	Impact of the Antimetastatic Drug Batimastat on Tumor Growth and PO2 Measured by Epr Oximetry in a Murine Mammary Adenocarcinoma. Advances in Experimental Medicine and Biology, 1999, 471, 487-496.	0.8	7
126	Acute hemodynamic and coronary circulatory effects of experimental autoimmune myocarditis. Heart and Vessels, 1998, 13, 58-62.	0.5	7

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127	Effect on Regrowth Delay in a Murine Tumor of Scheduling Split-Dose Irradiation Based on Direct pO 2 Measurements by Electron Paramagnetic Resonance Oximetry. Radiation Research, 1998, 150, 549.	0.7	69
128	The measurement of oxygenin vivousing EPR techniques. Physics in Medicine and Biology, 1998, 43, 1957-1975.	1.6	211
129	Superoxide production by phagocytosing macrophages in relation to the intracellular distribution of oxygen. Journal of Leukocyte Biology, 1998, 64, 78-84.	1.5	36
130	Developing in Vivo EPR Oximetry for Clinical use. Advances in Experimental Medicine and Biology, 1998, 454, 243-252.	0.8	60
131	Are there Significant Gradients of PO2 in Cells?. Advances in Experimental Medicine and Biology, 1998, 454, 415-423.	0.8	20
132	An improved inductive coupler for suppressing a shift in the resonance frequency of electron paramagnetic resonance resonators. Review of Scientific Instruments, 1997, 68, 3187-3191.	0.6	14
133	In vitro/in vivo comparison of drug release and polymer erosion from biodegradable P(FAD-SA) polyanhydrides--a noninvasive approach by the combined use of electron paramagnetic resonance spectroscopy and nuclear magnetic resonance imaging. Pharmaceutical Research, 1997, 14, 820-826.	1.7	48
134	Gloxy: An oxygen-sensitive coal for accurate measurement of low oxygen tensions in biological systems. Magnetic Resonance in Medicine, 1997, 38, 48-58.	1.9	51
135	Reduction of carcinogenic chromium(vi) on the skin of living rats. Magnetic Resonance in Medicine, 1997, 38, 524-526.	1.9	34
136	What Does EPR Oximetry with Solid Particles Measureâ€"and How Does this Relate to Other Measures of PO2?. Advances in Experimental Medicine and Biology, 1997, 428, 663-670.	0.8	23
137	Comparisons of Measurements of pO2 in Tissue In Vivo by EPR Oximetry and Micro-Electrodes. Advances in Experimental Medicine and Biology, 1997, 411, 543-549.	0.8	26
138	Detection of Free Radical Metabolite Formation Usingin VivoEPR Spectroscopy: Evidence of Rat Hemoglobin Thiyl Radical Formation Following Administration of Phenylhydrazine. Archives of Biochemistry and Biophysics, 1996, 330, 266-270.	1.4	36
139	Development of biocompatible implants of fusinite forin vivo EPR oximetry. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1996, 4, 71-75.	1.1	26
140	Endotoxin-induced changes in intrarenal pO2, measured by in vivo electron paramagnetic resonance oximetry and magnetic resonance imaging. Free Radical Biology and Medicine, 1996, 21, 25-34.	1.3	75
141	Low frequency epr surface probe based on dielectric resonator. Research on Chemical Intermediates, 1996, 22, 539-547.	1.3	2
142	Pharmacokinetics of the nitroxide PCA measured by in vivo EPR. Research on Chemical Intermediates, 1996, 22, 491-498.	1.3	7
143	An HPLC and EPR investigation on the stability of DMPO and DMPO spin adducts in vivo. Research on Chemical Intermediates, 1996, 22, 499-509.	1.3	22
144	An overview of considerations and approaches for developing in vivo EPR for clinical applications. Research on Chemical Intermediates, 1996, 22, 511-523.	1.3	14

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145	Evidence for the dissociation of the hepatobiliary MRI contrast agent Mn-DPDP. Magnetic Resonance in Medicine, 1996, 35, 14-19.	1.9	82
146	Use of nitroxides for assessing perfusion, oxygenation, and viability of tissues:In vivo EPR and MRI studies. Magnetic Resonance in Medicine, 1996, 35, 97-106.	1.9	93
147	Effect of repetitive ischemia on myocardial oxygen tension in isolated perfused and hypoperfiised rat hearts. Magnetic Resonance in Medicine, 1996, 35, 214-220.	1.9	17
148	Noninvasive measurement of the pH inside the gut by using pH-sensitive nitroxides. Anin vivo EPR study. Magnetic Resonance in Medicine, 1996, 36, 694-697.	1.9	77
149	In vivo EPR: an effective new tool for studying pathophysiology, physiology and pharmacology. Applied Radiation and Isotopes, 1996, 47, 1663-1667.	0.7	19
150	In vivo Oximetry Using EPR and India Ink. Magnetic Resonance in Medicine, 1995, 33, 237-245.	1.9	78
151	The apparent diffusion constant measured by mri correlates with po2 in a rif-1 tumor. Magnetic Resonance in Medicine, 1995, 34, 515-519.	1.9	31
152	Use of epr oximetry with india ink to measure the po2 in the liverin vivo in mice. Magnetic Resonance in Medicine, 1995, 34, 888-892.	1.9	26
153	Intraphagosomal oxygen in stimulated macrophages. Journal of Cellular Physiology, 1995, 163, 241-247.	2.0	61
154	Assessment of cerebral pO2 by EPR oximetry in rodents: effects of anesthesia, ischemia, and breathing gas. Brain Research, 1995, 685, 91-98.	1.1	97
155	The pO 2 in a Murine Tumor after Irradiation: An In Vivo Electron Paramagnetic Resonance Oximetry Study. Radiation Research, 1995, 144, 222.	0.7	44
156	Chromate-Induced Chromium(V) Formation in Live Mice and Its Control by Cellular Antioxidants: An L-Band Electron Paramagnetic Resonance Study. Archives of Biochemistry and Biophysics, 1995, 323, 33-39.	1.4	35
157	India ink: A potential clinically applicable EPR oximetry probe. Magnetic Resonance in Medicine, 1994, 31, 229-232.	1.9	92
158	Measurement of the intracellular concentration of oxygen in a cell perfusion system. Magnetic Resonance in Medicine, 1994, 31, 668-672.	1.9	19
159	Simultaneous measurement of intracellular and extracellular oxygen concentrations using a nitroxide-liposome system. Magnetic Resonance in Medicine, 1993, 29, 12-18.	1.9	29
160	Simultaneous multi-site EPR spectroscopyin vivo. Magnetic Resonance in Medicine, 1993, 30, 213-220.	1.9	78
161	Selective suppression of lipid resonances by lipid-soluble nitroxides in NMR spectroscopy. Magnetic Resonance in Medicine, 1992, 25, 120-127.	1.9	4
162	Nonperturbing test for cytotoxicity in isolated cells and spheroids, using electron paramagnetic resonance. Magnetic Resonance in Medicine, 1991, 19, 42-55.	1.9	23

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163	In vivo oximetry using a nitroxide-liposome system. Magnetic Resonance in Medicine, 1991, 20, 123-133.	1.9	58
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