

Periannan Kuppusamy

List of Publications by Year in descending order

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163
papers

6,028
citations

61984

43
h-index

88630

70
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168
all docs

168
docs citations

168
times ranked

6738
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible Segmented Surface Coil Resonator for In Vivo EPR Measurements in Human Subjects. <i>Applied Magnetic Resonance</i> , 2022, 53, 145.	1.2	3
2	Compact electron spin resonance skin oximeter: Properties and initial clinical results. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2915-2925.	3.0	4
3	Oxygen-Sensing Paramagnetic Probes for Clinical Oximetry. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1269, 259-263.	1.6	3
4	The impact of particulate electron paramagnetic resonance oxygen sensors on fluorodeoxyglucose imaging characteristics detected via positron emission tomography. <i>Scientific Reports</i> , 2021, 11, 4422.	3.3	2
5	DNA damage response in vascular endothelial senescence: Implication for radiation-induced cardiovascular diseases. <i>Journal of Radiation Research</i> , 2021, 62, 564-573.	1.6	18
6	PTEN as a Therapeutic Target in Pulmonary Hypertension Secondary to Left-heart Failure: Effect of HO-3867 and Supplemental Oxygenation. <i>Cell Biochemistry and Biophysics</i> , 2021, 79, 593-607.	1.8	2
7	Estimation of pO distribution in EPR oximetry. <i>Journal of Magnetic Resonance</i> , 2021, 328, 106992.	2.1	1
8	Evaluation of a Refined Implantable Resonator for Deep-Tissue EPR Oximetry in the Clinic. <i>Applied Magnetic Resonance</i> , 2021, 52, 1321-1342.	1.2	3
9	First-In-Human Study in Cancer Patients Establishing the Feasibility of Oxygen Measurements in Tumors Using Electron Paramagnetic Resonance With the OxyChip. <i>Frontiers in Oncology</i> , 2021, 11, 743256.	2.8	12
10	NIH Workshop 2018: Towards Minimally Invasive or Noninvasive Approaches to Assess Tissue Oxygenation Pre- and Post-transfusion. <i>Transfusion Medicine Reviews</i> , 2021, 35, 46-55.	2.0	6
11	Aberrant expression of TMEM205 signaling promotes platinum resistance in ovarian cancer: An implication for the antitumor potential of DAP compound. <i>Gynecologic Oncology</i> , 2021, , .	1.4	3
12	OxyChip embedded with radioâ€œopaque gold nanoparticles for anatomic registration and oximetry in tissues. <i>Magnetic Resonance in Medicine</i> , 2021, , .	3.0	0
13	Estimation of pO2 histogram from a composite EPR Spectrum of multiple random implants. <i>Biomedical Microdevices</i> , 2020, 22, 3.	2.8	5
14	OxyChip Implantation and Subsequent Electron Paramagnetic Resonance Oximetry in Human Tumors Is Safe and Feasible: First Experience in 24 Patients. <i>Frontiers in Oncology</i> , 2020, 10, 572060.	2.8	15
15	Selective Induction of Cellular Toxicity and Anti-tumor Efficacy by N-Methylpiperazinyl Diarylidenylpiperidone and its Pro-nitroxide Conjugate through ROS-mediated Mitochondrial Dysfunction and G2/M Cell-cycle Arrest in Human Pancreatic Cancer. <i>Cell Biochemistry and Biophysics</i> , 2020, 78, 191-202.	1.8	4
16	Sense and Sensibility of Oxygen in Pathophysiology Using EPR Oximetry. <i>Biological Magnetic Resonance</i> , 2020, , 135-187.	0.4	2
17	Implantable microchip containing oxygen-sensing paramagnetic crystals for long-term, repeated, and multisite in vivo oximetry. <i>Biomedical Microdevices</i> , 2019, 21, 71.	2.8	18
18	Flower isoforms promote competitive growth inÂcancer. <i>Nature</i> , 2019, 572, 260-264.	27.8	96

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19	Biocompatibility of Oxygen-Sensing Paramagnetic Implants. <i>Cell Biochemistry and Biophysics</i> , 2019, 77, 197-202.	1.8	6
20	HIF-transcribed p53 chaperones HIF-1 α . <i>Nucleic Acids Research</i> , 2019, 47, 10212-10234.	14.5	43
21	Diarylidenylpiperidones, H-4073 and HO-3867, Induce G2/M Cell-Cycle Arrest, Apoptosis and Inhibit STAT3 Phosphorylation in Human Pancreatic Cancer Cells. <i>Cell Biochemistry and Biophysics</i> , 2019, 77, 109-119.	1.8	10
22	Measuring Flap Oxygen Using Electron Paramagnetic Resonance Oximetry. <i>Laryngoscope</i> , 2019, 129, E415-E419.	2.0	8
23	Application of SPOT chip for transcutaneous oximetry. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2837-2840.	3.0	4
24	Transcutaneous oxygen measurement in humans using a paramagnetic skin adhesive film. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 781-794.	3.0	31
25	Antiproliferative Effect of a Novel 4,4 α -Disulfonyldiarylidenyl Piperidone in Human Colon Cancer Cells. <i>Cell Biochemistry and Biophysics</i> , 2019, 77, 61-67.	1.8	9
26	Ataxia-Telangiectasia Mutated (ATM) Kinase Regulates eNOS Expression and Modulates Radiosensitivity in Endothelial Cells Exposed to Ionizing Radiation. <i>Radiation Research</i> , 2018, 189, 519-528.	1.5	10
27	The curcumin analog HO-3867 selectively kills cancer cells by converting mutant p53 protein to transcriptionally active wildtype p53. <i>Journal of Biological Chemistry</i> , 2018, 293, 4262-4276.	3.4	35
28	Pre-clinical evaluation of OxyChip for long-term EPR oximetry. <i>Biomedical Microdevices</i> , 2018, 20, 29.	2.8	32
29	Hyperoxygenation as a Therapeutic Supplement for Treatment of Triple Negative Breast Cancer. <i>Frontiers in Oncology</i> , 2018, 8, 527.	2.8	31
30	Advanced surface resonators for electron spin resonance of single microcrystals. <i>Review of Scientific Instruments</i> , 2018, 89, 124707.	1.3	14
31	Supplemental Oxygen Protects Heart Against Acute Myocardial Infarction. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 114.	2.4	9
32	Electron-Spin-Resonance Dipstick. <i>Analytical Chemistry</i> , 2018, 90, 7830-7836.	6.5	8
33	Elevated STAT3 expression in ovarian cancer ascites promotes invasion and metastasis: a potential therapeutic target. <i>Oncogene</i> , 2017, 36, 168-181.	5.9	99
34	Dynamic EPR Oximetry of Changes in Intracerebral Oxygen Tension During Induced Thromboembolism. <i>Cell Biochemistry and Biophysics</i> , 2017, 75, 285-294.	1.8	12
35	Development of the Implantable Resonator System for Clinical EPR Oximetry. <i>Cell Biochemistry and Biophysics</i> , 2017, 75, 275-283.	1.8	14
36	Measurement of pO ₂ in a Pre-clinical Model of Rabbit Tumor Using OxyChip, a Paramagnetic Oxygen Sensor. <i>Advances in Experimental Medicine and Biology</i> , 2017, 977, 313-318.	1.6	9

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37	Synthesis and Biological Evaluation of Curcumin-Nitroxide-Based Molecular Hybrids as Antioxidant and Anti-Proliferative Agents. <i>Medicinal Chemistry</i> , 2017, 13, 761-772.	1.5	6
38	Increased Electron Paramagnetic Resonance Signal Correlates with Mitochondrial Dysfunction and Oxidative Stress in an Alzheimer's disease Mouse Brain. <i>Journal of Alzheimer's Disease</i> , 2016, 51, 571-580.	2.6	36
39	Skeletal Muscle Oxygenation Measured by EPR Oximetry Using a Highly Sensitive Polymer-Encapsulated Paramagnetic Sensor. <i>Advances in Experimental Medicine and Biology</i> , 2016, 923, 351-357.	1.6	15
40	Anticancer potential of diarylidene piperidone derivatives, HO-4200 and H-4318, in cisplatin resistant primary ovarian cancer. <i>Cancer Biology and Therapy</i> , 2016, 17, 1107-1115.	3.4	15
41	Direct and Repeated Clinical Measurements of pO ₂ for Enhancing Cancer Therapy and Other Applications. <i>Advances in Experimental Medicine and Biology</i> , 2016, 923, 95-104.	1.6	22
42	Mitochondrial Electron Transport Chain-Derived Superoxide Exits Macrophages: Implications for Mononuclear Cell-Mediated Pathophysiological Processes. <i>Reactive Oxygen Species (Apex, N C)</i> , 2016, 1, 81-98.	5.4	19
43	Abstract LB-036: Elevated STAT3 expression in ovarian tumor ascites regulates invasion and metastasis: a promising therapeutic target. , 2016, , .		0
44	Electron spin resonance microscopic imaging of oxygen concentration in cancer spheroids. <i>Journal of Magnetic Resonance</i> , 2015, 256, 77-85.	2.1	23
45	Mechanism of Gallstones Formation in Women During Menopause (EPR Study). <i>Current Topics in Biophysics</i> , 2015, 37, 1-8.	0.3	3
46	Direct and Repeated Measurement of Heart and Brain Oxygenation Using In Vivo EPR Oximetry. <i>Methods in Enzymology</i> , 2015, 564, 529-552.	1.0	23
47	A hand-held EPR scanner for transcutaneous oximetry. <i>Proceedings of SPIE</i> , 2015, , .	0.8	3
48	Deep-Tissue Oxygen Monitoring in the Brain of Rabbits for Stroke Research. <i>Stroke</i> , 2015, 46, e62-6.	2.0	21
49	ErbB2 overexpression upregulates antioxidant enzymes, reduces basal levels of reactive oxygen species, and protects against doxorubicin cardiotoxicity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1271-H1280.	3.2	85
50	Requisite Role of Kv1.5 Channels in Coronary Metabolic Dilation. <i>Circulation Research</i> , 2015, 117, 612-621.	4.5	78
51	Abstract P5-09-03: Expression of the C9orf72 long-isoform in cancer tissues prognosticates disease-free and breast cancer-specific survival. , 2015, , .		0
52	Abstract 1720: HO-3867, a selective inhibitor of stat3, suppress ovarian tumor growth and metastasis in human tissue culture and in an orthotopic mouse model. , 2015, , .		0
53	Mitochondrial-Targeted Curcuminoids: A Strategy to Enhance Bioavailability and Anticancer Efficacy of Curcumin. <i>PLoS ONE</i> , 2014, 9, e89351.	2.5	80
54	A Novel Curcumin Analog (H-4073) Enhances the Therapeutic Efficacy of Cisplatin Treatment in Head and Neck Cancer. <i>PLoS ONE</i> , 2014, 9, e93208.	2.5	45

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55	Comparison of Human Induced Pluripotent Stem-Cell Derived Cardiomyocytes with Human Mesenchymal Stem Cells following Acute Myocardial Infarction. PLoS ONE, 2014, 9, e116281.	2.5	60
56	Aberrantly activated pSTAT3-Ser727 in human endometrial cancer is suppressed by HO-3867, a novel STAT3 inhibitor. Gynecologic Oncology, 2014, 135, 133-141.	1.4	20
57	Oxygen regulates molecular mechanisms of cancer progression and metastasis. Cancer and Metastasis Reviews, 2014, 33, 183-215.	5.9	10
58	Clinical EPR. Academic Radiology, 2014, 21, 197-206.	2.5	74
59	A Miniature Electron Spin Resonance Probehead for Transcutaneous Oxygen Monitoring. Applied Magnetic Resonance, 2014, 45, 955-967.	1.2	9
60	HO-3867, a Safe STAT3 Inhibitor, Is Selectively Cytotoxic to Ovarian Cancer. Cancer Research, 2014, 74, 2316-2327.	0.9	71
61	Advances in Probes and Methods for Clinical EPR Oximetry. Advances in Experimental Medicine and Biology, 2014, 812, 73-79.	1.6	36
62	Real-Time, In Vivo Determination of Dynamic Changes in Lung and Heart Tissue Oxygenation Using EPR Oximetry. Advances in Experimental Medicine and Biology, 2014, 812, 81-86.	1.6	16
63	Skeletal Muscle and Glioma Oxygenation by Carbogen Inhalation in Rats: A Longitudinal Study by EPR Oximetry Using Single-Probe Implantable Oxygen Sensors. Advances in Experimental Medicine and Biology, 2014, 812, 97-103.	1.6	12
64	Recurrent Low-Dose Chemotherapy to Inhibit and Oxygenate Head and Neck Tumors. Advances in Experimental Medicine and Biology, 2014, 812, 105-111.	1.6	7
65	Targeting constitutively-activated STAT3 in hypoxic ovarian cancer, using a novel STAT3 inhibitor. Oncoscience, 2014, 1, 216-228.	2.2	33
66	Considerations for Culturing and Preserving Adult Stem Cells for Therapeutics. , 2014, , 15-30.		0
67	Safe and targeted anticancer therapy for ovarian cancer using a novel class of curcumin analogs. Journal of Ovarian Research, 2013, 6, 35.	3.0	20
68	Dysregulation of PTEN in Cardiopulmonary Vascular Remodeling Induced by Pulmonary Hypertension. Cell Biochemistry and Biophysics, 2013, 67, 363-372.	1.8	33
69	Preconditioning mesenchymal stem cells with caspase inhibition and hyperoxia prior to hypoxia exposure increases cell proliferation. Journal of Cellular Biochemistry, 2013, 114, 2612-2623.	2.6	37
70	Noninvasive Monitoring of Small Intestinal Oxygen in a Rat Model of Chronic Mesenteric Ischemia. Cell Biochemistry and Biophysics, 2013, 67, 451-459.	1.8	40
71	Effect of Pulmonary-Generated Reactive Oxygen Species on Left-Ventricular Dysfunction Associated with Cardio-Pulmonary Ischemiaâ€“Reperfusion Injury. Cell Biochemistry and Biophysics, 2013, 67, 275-280.	1.8	2
72	Special Issue on Oxidative Stress in Health and Disease. Cell Biochemistry and Biophysics, 2013, 67, 215-218.	1.8	4

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73	Stem cell transplantation as a therapy for cardiac fibrosis. <i>Journal of Pathology</i> , 2013, 229, 347-354.	4.5	49
74	SCO2 Induces p53-Mediated Apoptosis by Thr845 Phosphorylation of ASK-1 and Dissociation of the ASK-1-Trx Complex. <i>Molecular and Cellular Biology</i> , 2013, 33, 1285-1302.	2.3	34
75	Intracellular Free Iron and Its Potential Role in Ultrahigh-Pressure-Induced Inactivation of <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 6519-6519.	3.1	0
76	Pulmonary Hypertension Secondary to Left-Heart Failure Involves Peroxynitrite-Induced Downregulation of PTEN in the Lung. <i>Hypertension</i> , 2013, 61, 593-601.	2.7	24
77	p53's choice of myocardial death or survival: Oxygen protects infarct myocardium by recruiting p53 on <scp>NOS</scp>3 promoter through regulation of p53â€L</scp>ys¹¹⁸ acetylation. <i>EMBO Molecular Medicine</i> , 2013, 5, 1662-1683.	6.9	27
78	Intracellular Free Iron and Its Potential Role in Ultrahigh-Pressure-Induced Inactivation of <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 722-724.	3.1	6
79	Sivelestat Attenuates Myocardial Reperfusion Injury during Brief Low Flow Postischemic Infusion. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-9.	4.0	9
80	Abstract 2032: Inhibition of signal transducers and activators of transcription 3 in human endometrial cancer, using a novel STAT3 inhibitor.. , 2013, , .		0
81	Hypoxic Preconditioning of Stem Cells to Treat Myocardial Infarction. , 2013, , 199-210.		1
82	Abstract 1039: HO-3867, is selectively cytotoxic to ovarian cancer cells through a dual mechanism of action involving the STAT3 and AKT pathways .. , 2013, , .		1
83	Abstract A253: HO-3867, a safe STAT3 inhibitor, is selectively cytotoxic to ovarian cancer.. , 2013, , .		0
84	Carvedilol Enhances Mesenchymal Stem Cell Therapy for Myocardial Infarction via Inhibition of Caspase-3 Expression. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 343, 62-71.	2.5	29
85	HO-3867, a STAT3 inhibitor induces apoptosis by inactivation of STAT3 activity in BRCA1-mutated ovarian cancer cells. <i>Cancer Biology and Therapy</i> , 2012, 13, 766-775.	3.4	39
86	Induction of Oxidative Stress in <i>Trypanosoma brucei</i> by the Antitrypanosomal Dihydroquinoline OSU-40. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 2428-2434.	3.2	17
87	Chaperoning of Mutant p53 Protein by Wild-type p53 Protein Causes Hypoxic Tumor Regression*. <i>Journal of Biological Chemistry</i> , 2012, 287, 2907-2914.	3.4	31
88	Oxygen cycling in conjunction with stem cell transplantation induces NOS3 expression leading to attenuation of fibrosis and improved cardiac function. <i>Cardiovascular Research</i> , 2012, 93, 89-99.	3.8	44
89	Synthesis of N-Substituted 3,5-Bis(arylidene)-4-piperidones with High Antitumor and Antioxidant Activity. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5414-5421.	6.4	86
90	Regulation of glucose metabolism by p53: Emerging new roles for the tumor suppressor. <i>Oncotarget</i> , 2011, 2, 948-957.	1.8	115

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91	HO-3867, a curcumin analog, sensitizes cisplatin-resistant ovarian carcinoma, leading to therapeutic synergy through STAT3 inhibition. <i>Cancer Biology and Therapy</i> , 2011, 12, 837-845.	3.4	64
92	Amelioration of Doxorubicin-Induced Cardiotoxicity by an Anticancer-Antioxidant Dual-Function Compound, HO-3867. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 339, 350-357.	2.5	43
93	Effect of Oxygenation on Stem-Cell Therapy for Myocardial Infarction. <i>Advances in Experimental Medicine and Biology</i> , 2011, 701, 175-181.	1.6	11
94	Overexpression of a Corn Rac Gene Induces Cardiac Hypertrophy in Old Transgenic Mice: a Putative Role of Profilin-Induced Signaling. <i>FASEB Journal</i> , 2011, 25, 951.2.	0.5	0
95	A molecular paramagnetic spin-doped biopolymeric oxygen sensor. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2283-2289.	10.1	10
96	An implantable Teflon chip holding lithium naphthalocyanine microcrystals for secure, safe, and repeated measurements of pO ₂ in tissues. <i>Biomedical Microdevices</i> , 2010, 12, 381-387.	2.8	10
97	Safe and targeted anticancer efficacy of a novel class of antioxidant-conjugated difluorodiarlylidenyl piperidones: Differential cytotoxicity in healthy and cancer cells. <i>Free Radical Biology and Medicine</i> , 2010, 48, 1228-1235.	2.9	63
98	A paramagnetic implant containing lithium naphthalocyanine microcrystals for high-resolution biological oximetry. <i>Journal of Magnetic Resonance</i> , 2010, 203, 185-189.	2.1	21
99	Cellular uptake, retention and bioabsorption of HO-3867, a fluorinated curcumin analog with potential antitumor properties. <i>Cancer Biology and Therapy</i> , 2010, 10, 1027-1032.	3.4	39
100	Anticancer Efficacy of a Difluorodiarlylidenyl Piperidone (HO-3867) in Human Ovarian Cancer Cells and Tumor Xenografts. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 1169-1179.	4.1	72
101	HO-3867, a Synthetic Compound, Inhibits the Migration and Invasion of Ovarian Carcinoma Cells through Downregulation of Fatty Acid Synthase and Focal Adhesion Kinase. <i>Molecular Cancer Research</i> , 2010, 8, 1188-1197.	3.4	54
102	A New Tetragonal Crystalline Polymorph of Lithium Octa- <i>n</i> -Butoxy-Naphthalocyanine (LiNc-BuO) Radical: Structural, Magnetic and Oxygen-Sensing Properties. <i>Chemistry of Materials</i> , 2010, 22, 6254-6262.	6.7	18
103	Oxygen and oxygenation in stem-cell therapy for myocardial infarction. <i>Life Sciences</i> , 2010, 87, 269-274.	4.3	27
104	Theory, Instrumentation, and Applications of Electron Paramagnetic Resonance Oximetry. <i>Chemical Reviews</i> , 2010, 110, 3212-3236.	47.7	136
105	Sulfaphenazole Protects Heart Against Ischemia-“Reperfusion Injury and Cardiac Dysfunction by Overexpression of iNOS, Leading to Enhancement of Nitric Oxide Bioavailability and Tissue Oxygenation. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 725-738.	5.4	38
106	Myocardial oxygenation and functional recovery in infarct rat hearts transplanted with mesenchymal stem cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H1263-H1273.	3.2	43
107	Inhibition of Vascular Smooth-Muscle Cell Proliferation and Arterial Restenosis by HO-3867, a Novel Synthetic Curcuminoid, through Up-Regulation of PTEN Expression. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 959-966.	2.5	41
108	Polymer coating of paramagnetic particulates for in vivo oxygen-sensing applications. <i>Biomedical Microdevices</i> , 2009, 11, 379-387.	2.8	20

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109	Fabrication and physical evaluation of a polymer-encapsulated paramagnetic probe for biomedical oximetry. <i>Biomedical Microdevices</i> , 2009, 11, 773-782.	2.8	40
110	Oxygen sensitivity and biocompatibility of an implantable paramagnetic probe for repeated measurements of tissue oxygenation. <i>Biomedical Microdevices</i> , 2009, 11, 817-826.	2.8	47
111	Hyperbaric oxygenation enhances transplanted cell graft and functional recovery in the infarct heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 47, 275-287.	1.9	50
112	Cardioprotection by HO-4038, a novel verapamil derivative, targeted against ischemia and reperfusion-mediated acute myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H140-H151.	3.2	29
113	Estimation of mean and median pO ₂ values for a composite EPR spectrum. <i>Journal of Magnetic Resonance</i> , 2008, 192, 269-274.	2.1	5
114	Redox Mapping of Biological Samples Using EPR Imaging. <i>Israel Journal of Chemistry</i> , 2008, 48, 27-31.	2.3	5
115	Magnetic Force Microscopy of an Oxygen-Sensing Spin-Probe. <i>Israel Journal of Chemistry</i> , 2008, 48, 33-38.	2.3	10
116	Mapping of Oxygen Concentration in Biological Samples Using EPR Imaging. <i>Israel Journal of Chemistry</i> , 2008, 48, 39-43.	2.3	2
117	Diphenyl Difluoroketone: A Curcumin Derivative with Potent <i>In vivo</i> Anticancer Activity. <i>Cancer Research</i> , 2008, 68, 1962-1969.	0.9	147
118	Measurement of Oxygenation at the Site of Stem Cell Therapy in a Murine Model of Myocardial Infarction. <i>Advances in Experimental Medicine and Biology</i> , 2008, 614, 45-52.	1.6	18
119	Skeletal myoblasts transplanted in the ischemic myocardium enhance in situ oxygenation and recovery of contractile function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H2129-H2139.	3.2	50
120	Curcumin induces G2/M arrest and apoptosis in cisplatin-resistant human ovarian cancer cells by modulating akt and p38 mAPK. <i>Cancer Biology and Therapy</i> , 2007, 6, 178-184.	3.4	249
121	EF24 Induces G2/M Arrest and Apoptosis in Cisplatin-resistant Human Ovarian Cancer Cells by Increasing PTEN Expression. <i>Journal of Biological Chemistry</i> , 2007, 282, 28609-28618.	3.4	123
122	Oxygen, the Lead Actor in the Pathophysiologic Drama: Enactment of the Trinity of Normoxia, Hypoxia, and Hyperoxia in Disease and Therapy. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 1717-1730.	5.4	150
123	A Comparative Evaluation of EPR and OxyLite Oximetry Using a Random Sampling of pO_2 in a Murine Tumor. <i>Radiation Research</i> , 2007, 168, 308-315.	1.5	17
124	Methods for Noninvasive Imaging of Tissue Hypoxia. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 1745-1756.	5.4	93
125	A Highly Sensitive Biocompatible Spin Probe for Imaging of Oxygen Concentration in Tissues. <i>Biophysical Journal</i> , 2007, 92, 2918-2925.	0.5	25
126	In vivo imaging of changes in tumor oxygenation during growth and after treatment. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 950-959.	3.0	57

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127	A parametric approach to spectral-spatial EPR imaging. <i>Journal of Magnetic Resonance</i> , 2007, 186, 1-10.	2.1	21
128	Composition of Bone Marrow-Derived Progenitor Cells in the Cellular Infiltrate of Infarcted Hearts: Role of Local Oxygen Tension. <i>FASEB Journal</i> , 2007, 21, A228.	0.5	1
129	Measuring Brain Tissue Oxygenation under Oxidative Stress by ESR/MR Dual Imaging System. <i>Magnetic Resonance in Medical Sciences</i> , 2007, 6, 83-89.	2.0	13
130	The open molecular framework of paramagnetic lithium octabutoxy-naphthalocyanine: implications for the detection of oxygen and nitric oxide using EPR spectroscopy. <i>Journal of Materials Chemistry</i> , 2006, 16, 3609.	6.7	37
131	Formation of Lithium Phthalocyanine Nanotubes by Size Reduction Using Low- and High-Frequency Ultrasound. <i>Chemistry of Materials</i> , 2006, 18, 4183-4189.	6.7	15
132	Absolute oxygen tension (pO ₂) in murine fatty and muscle tissue as determined by EPR. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 1530-1535.	3.0	78
133	Endothelium-Derived Nitric Oxide Regulates Postischemic Myocardial Oxygenation and Oxygen Consumption by Modulation of Mitochondrial Electron Transport. <i>Circulation</i> , 2005, 111, 2966-2972.	1.6	116
134	EPR oximetry in the beating heart: Myocardial oxygen consumption rate as an index of postischemic recovery. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 835-842.	3.0	42
135	In vivo measurement and imaging of tumor oxygenation using coembedded paramagnetic particulates. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 650-657.	3.0	38
136	Cardiac applications of EPR imaging. <i>NMR in Biomedicine</i> , 2004, 17, 226-239.	2.8	60
137	Mechanism of oxygen-induced EPR line broadening in lithium phthalocyanine microcrystals. <i>Journal of Magnetic Resonance</i> , 2004, 170, 42-48.	2.1	40
138	Novel particulate spin probe for targeted determination of oxygen in cells and tissues. <i>Free Radical Biology and Medicine</i> , 2003, 35, 1138-1148.	2.9	143
139	Effect of Carbogen-Breathing on Redox Status of the RIF-1 Tumor. <i>Advances in Experimental Medicine and Biology</i> , 2003, 510, 13-17.	1.6	7
140	A naphthalocyanine-based EPR probe for localized measurements of tissue oxygenation. <i>Free Radical Biology and Medicine</i> , 2002, 32, 139-147.	2.9	58
141	In vivo measurement of regional oxygenation and imaging of redox status in RIF-1 murine tumor: Effect of carbogen-breathing. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 723-730.	3.0	80
142	Mapping of the B ₁ field distribution of a surface coil resonator using EPR imaging. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 1057-1062.	3.0	30
143	In vivo measurement of tumor redox environment using EPR spectroscopy. <i>Molecular and Cellular Biochemistry</i> , 2002, 234/235, 393-398.	3.1	47
144	Noninvasive imaging of tumor redox status and its modification by tissue glutathione levels. <i>Cancer Research</i> , 2002, 62, 307-12.	0.9	547

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145	Electrochemical Preparation and EPR Studies of Lithium Phthalocyanine. 3. Measurements of Oxygen Concentration in Tissues and Biochemical Reactions. <i>Journal of Physical Chemistry B</i> , 2001, 105, 5323-5330.	2.6	46
146	Protection Against Oxidative Stress by Nitroxides. <i>Experimental Biology and Medicine</i> , 2001, 226, 620-621.	2.4	30
147	Whole body detection and imaging of nitric oxide generation in mice following cardiopulmonary arrest: Detection of intrinsic nitrosoheme complexes. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 700-707.	3.0	39
148	EPR oxygen mapping (EPRM) of engineered cartilage grown in a hollow-fiber bioreactor. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 819-826.	3.0	27
149	Electron paramagnetic resonance oxygen mapping (EPRM): Direct visualization of oxygen concentration in tissue. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 804-809.	3.0	84
150	Radiation, Radicals, and Images. <i>Annals of the New York Academy of Sciences</i> , 2000, 899, 28-43.	3.8	62
151	In vivo topical EPR spectroscopy and imaging of nitroxide free radicals and polynitroxyl-albumin. <i>Magnetic Resonance in Medicine</i> , 1998, 40, 806-811.	3.0	61
152	Development of Functional Electron Paramagnetic Resonance Imaging. <i>Breast Disease</i> , 1998, 10, 209-220.	0.8	8
153	Oxidative stress in silicosis: evidence for the enhanced clearance of free radicals from whole lungs. <i>Molecular and Cellular Biochemistry</i> , 1997, 168, 125-132.	3.1	57
154	High resolution electron paramagnetic resonance imaging of biological samples with a single line paramagnetic label. <i>Magnetic Resonance in Medicine</i> , 1997, 37, 479-483.	3.0	55
155	Hyperfine artifacts in electron paramagnetic resonance imaging. <i>Research on Chemical Intermediates</i> , 1996, 22, 593-604.	2.7	8
156	Imaging of nitric oxide generation in the rat brain. <i>Research on Chemical Intermediates</i> , 1996, 22, 605-613.	2.7	7
157	A forward-subtraction procedure for removing hyperfine artifacts in electron paramagnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 316-322.	3.0	41
158	Three-dimensional gated EPR imaging of the beating heart: Time-resolved measurements of free radical distribution during the cardiac contractile cycle. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 323-328.	3.0	37
159	Spatial mapping of nitric oxide generation in the ischemic heart using electron paramagnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 212-218.	3.0	49
160	Evaluation of nitroxides for the study of myocardial metabolism and oxygenation. <i>Magnetic Resonance in Chemistry</i> , 1995, 33, S123-S128.	1.9	14
161	Three-dimensional spatial EPR imaging of the rat heart. <i>Magnetic Resonance in Medicine</i> , 1995, 34, 99-105.	3.0	72
162	Reply to "Enzymatic/non-enzymatic formation of nitric oxide". <i>Nature Medicine</i> , 1995, 1, 1103-1104.	30.7	21

#	ARTICLE	IF	CITATIONS
163	Electron paramagnetic resonance evidence that cellular oxygen toxicity is caused by the generation of superoxide and hydroxyl free radicals. FEBS Letters, 1989, 252, 12-16.	2.8	59