Jeff F Dunn

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

2,938 30 101 51 h-index g-index citations papers 4.96 4.8 109 3,351 avg, IF L-index ext. citations ext. papers

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 101 | Treatment of Persistent Postconcussion Syndrome With Repetitive Transcranial Magnetic Stimulation Using Functional Near-Infrared Spectroscopy as a Biomarker of Response: Protocol for a Randomized Controlled Clinical Trial <i>JMIR Research Protocols</i> , 2022 , 11, e31308 | 2 | O |
| 100 | Abnormal Oxidative Metabolism in the Cuprizone Mouse Model of Demyelination: an in vivo NIRS-MRI Study <i>NeuroImage</i> , 2022 , 250, 118935 | 7.9 | 1 |
| 99 | Neurovascular coupling on trial: How the number of trials completed impacts the accuracy and precision of temporally derived neurovascular coupling estimates <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022 , 271678X221084400 | 7-3 | 1 |
| 98 | PD-1 independent of PD-L1 ligation promotes glioblastoma growth through the NF B pathway. <i>Science Advances</i> , 2021 , 7, eabh2148 | 14.3 | O |
| 97 | Quantification of cytochrome c oxidase and tissue oxygenation using CW-NIRS in a mouse cerebral cortex <i>Biomedical Optics Express</i> , 2021 , 12, 7632-7656 | 3.5 | 1 |
| 96 | Insufficient sampling frequencies skew heart rate variability estimates: Implications for extracting heart rate metrics from neuroimaging and physiological data. <i>Journal of Biomedical Informatics</i> , 2021 , 123, 103934 | 10.2 | 2 |
| 95 | Brain Oximetry and the Quest for Quantified Metabolic Rate: Applications Using MRI and Near-Infrared Spectroscopy. <i>Applied Magnetic Resonance</i> , 2021 , 52, 1343 | 0.8 | 2 |
| 94 | The validity and reliability of an open source biosensing board to quantify heart rate variability. <i>Heliyon</i> , 2021 , 7, e07148 | 3.6 | 2 |
| 93 | Cerebral blood flow and oxygenation in rat brain after soman exposure. <i>Toxicology Letters</i> , 2021 , 336, 50-56 | 4.4 | 2 |
| 92 | Susceptibility weighted imaging detects prominent veins that precede or coincide with maximal motor disability in a model of multiple sclerosis: A pilot study. <i>Multiple Sclerosis and Related Disorders</i> , 2021 , 54, 103124 | 4 | |
| 91 | The impact of hypoxia on blood-brain, blood-CSF, and CSF-brain barriers. <i>Journal of Applied Physiology</i> , 2021 , 131, 977-985 | 3.7 | 2 |
| 90 | Acute Dilation of Venous Sinuses in Animal Models of Mild Traumatic Brain Injury Detected Using 9.4T MRI. <i>Frontiers in Neurology</i> , 2020 , 11, 307 | 4.1 | 0 |
| 89 | Control of brain tumor growth by reactivating myeloid cells with niacin. <i>Science Translational Medicine</i> , 2020 , 12, | 17.5 | 17 |
| 88 | Fiber photometry for monitoring cerebral oxygen saturation in freely-moving rodents. <i>Biomedical Optics Express</i> , 2020 , 11, 3491-3506 | 3.5 | 5 |
| 87 | Using a multimodal near-infrared spectroscopy and MRI to quantify gray matter metabolic rate for oxygen: A hypothermia validation study. <i>NeuroImage</i> , 2020 , 206, 116315 | 7.9 | 8 |
| 86 | Quantitative T MRI is predictive of neurodegeneration following organophosphate exposure in a rat model. <i>Scientific Reports</i> , 2020 , 10, 13007 | 4.9 | 1 |
| 85 | Central nervous system targeted autoimmunity causes regional atrophy: a 9.4T MRI study of the EAE mouse model of Multiple Sclerosis. <i>Scientific Reports</i> , 2019 , 9, 8488 | 4.9 | 16 |

(2015-2019)

| Using Functional Near-Infrared Spectroscopy to Study the Effect of Repetitive Transcranial Magnetic Stimulation in Concussion: A Two-Patient Case Study. <i>Frontiers in Neurology</i> , 2019 , 10, 476 | 4.1 | 5 |
|--|--|---|
| Multiple sclerosis disease progression: Contributions from a hypoxia-inflammation cycle. <i>Multiple Sclerosis Journal</i> , 2019 , 25, 1715-1718 | 5 | 21 |
| Partial pressure of oxygen in the human body: a general review. <i>American Journal of Blood Research</i> , 2019 , 9, 1-14 | 1.6 | 68 |
| Reduced Functional Connectivity in Adults with Persistent Post-Concussion Symptoms: A Functional Near-Infrared Spectroscopy Study. <i>Journal of Neurotrauma</i> , 2018 , 35, 1224-1232 | 5.4 | 21 |
| MR Imaging of Tumor-Associated Macrophages: The Next Frontier in Cancer Imaging. <i>Magnetic Resonance Insights</i> , 2018 , 11, 1178623X18771974 | 5 | 16 |
| Expanding the Potential Therapeutic Options for Remote Ischemic Preconditioning: Use in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2018 , 9, 475 | 4.1 | 3 |
| Automated Processing of fNIRS Data-A Visual Guide to the Pitfalls and Consequences. <i>Algorithms</i> , 2018 , 11, | 1.8 | 37 |
| Repeated Pediatric Concussions Evoke Long-Term Oligodendrocyte and White Matter Microstructural Dysregulation Distant from the Injury. <i>Developmental Neuroscience</i> , 2018 , 40, 358-375 | 2.2 | 11 |
| Assessment of brain oxygenation imbalance following soman exposure in rats. <i>NeuroToxicology</i> , 2018 , 65, 28-37 | 4.4 | 9 |
| Cortical excitability after pediatric mild traumatic brain injury. <i>Brain Stimulation</i> , 2017 , 10, 305-314 | 5.1 | 16 |
| MRI monitoring of monocytes to detect immune stimulating treatment response in brain tumor. <i>Neuro-Oncology</i> , 2017 , 19, 364-371 | 1 | 11 |
| Hypoxia and Inflammation-Induced Disruptions of the Blood-Brain and Blood-Cerebrospinal Fluid Barriers Assessed Using a Novel T1-Based MRI Method. <i>Acta Neurochirurgica Supplementum</i> , 2016 , 121, 23-8 | 1.7 | 13 |
| Near-infrared measurements of brain oxygenation in stroke. <i>Neurophotonics</i> , 2016 , 3, 031403 | 3.9 | 20 |
| Gray Matter Hypoxia in the Brain of the Experimental Autoimmune Encephalomyelitis Model of Multiple Sclerosis. <i>PLoS ONE</i> , 2016 , 11, e0167196 | 3.7 | 20 |
| Postictal behavioural impairments are due to a severe prolonged hypoperfusion/hypoxia event that is COX-2 dependent. <i>ELife</i> , 2016 , 5, | 8.9 | 62 |
| monitoring of tissue oxygen saturation in deep brain structures using a single fiber optical system. <i>Biomedical Optics Express</i> , 2016 , 7, 4685-4694 | 3.5 | 14 |
| Studying cerebral hemodynamics and metabolism using simultaneous near-infrared spectroscopy and transcranial Doppler ultrasound: a hyperventilation and caffeine study. <i>Physiological Reports</i> , 2015 , 3, e12378 | 2.6 | 7 |
| Artifact reduction in long-term monitoring of cerebral hemodynamics using near-infrared spectroscopy. <i>Neurophotonics</i> , 2015 , 2, 025004 | 3.9 | 7 |
| | Multiple sclerosis disease progression: A Two-Patient Case Study. Frontiers in Neurology, 2019, 10, 476 Multiple sclerosis disease progression: Contributions from a hypoxia-inflammation cycle. Multiple Sclerosis Journal, 2019, 25, 1715-1718 Partial pressure of oxygen in the human body: a general review. American Journal of Blood Research, 2019, 9, 1-14 Reduced Functional Connectivity in Adults with Persistent Post-Concussion Symptoms: A Functional Near-Infrared Spectroscopy Study. Journal of Neurotrauma, 2018, 35, 1224-1232 MR Imaging of Tumor-Associated Macrophages: The Next Frontier in Cancer Imaging. Magnetic Resonance Insights, 2018, 11, 1178623X18771974 Expanding the Potential Therapeutic Options for Remote Ischemic Preconditioning: Use in Multiple Sclerosis. Frontiers in Neurology, 2018, 9, 475 Automated Processing of fNIRS Data-A Visual Guide to the Pitfalls and Consequences. Algorithms, 2018, 11, Repeated Pediatric Concussions Evoke Long-Term Oligodendrocyte and White Matter Microstructural Dysregulation Distant from the Injury. Developmental Neuroscience, 2018, 40, 358-375 Assessment of brain oxygenation imbalance following soman exposure in rats. NeuroToxicology, 2018, 65, 28-37 Cortical excitability after pediatric mild traumatic brain injury. Brain Stimulation, 2017, 10, 305-314 MRI monitoring of monocytes to detect immune stimulating treatment response in brain tumor. Neuro-Oncology, 2017, 19, 364-371 Hypoxia and inflammation-Induced Disruptions of the Blood-Brain and Blood-Cerebrospinal Fluid Barriers Assessed Using a Novel T1-Based MRI Method. Acta Neurochirurgica Supplementum, 2016, 121, 23-8 Near-infrared measurements of brain oxygenation in stroke. Neurophotonics, 2016, 3, 031403 Gray Matter Hypoxia in the Brain of the Experimental Autoimmune Encephalomyelitis Model of Multiple Sclerosis. PLoS ONE, 2016, 11, e0167196 Postictal behavioural impairments are due to a severe prolonged hypoperfusion/hypoxia event that is COX-2 dependent. ELife, 2016, 5, nonitoring of tissue oxygen satu | Multiple sclerosis disease progression: Contributions from a hypoxia-inflammation cycle. Multiple Sclerosis Journal, 2019, 25, 1715-1718 Partial pressure of oxygen in the human body: a general review. American Journal of Blood Research , 2019, 9, 1-14 Reduced Functional Connectivity in Adults with Persistent Post-Concussion Symptoms: A Functional Near-Infrared Spectroscopy Study. Journal of Neurotrauma, 2018, 35, 1224-1232 MR Imaging of Tumor-Associated Macrophages: The Next Frontier in Cancer Imaging. Magnetic Resonance Insights, 2018, 11, 1178623X18771974 Expanding the Potential Therapeutic Options for Remote Ischemic Preconditioning: Use in Multiple Sclerosis. Frontiers in Neurology, 2018, 9, 475 Automated Processing of fNIRS Data-A Visual Guide to the Pitfalls and Consequences. Algorithms, 2018, 11, Repeated Pediatric Concussions Evoke Long-Term Oligodendrocyte and White Matter Microstructural Dysregulation Distant from the Injury. Developmental Neuroscience, 2018, 40, 358-375 Assessment of brain oxygenation imbalance following soman exposure in rats. NeuroToxicology, 2018, 65, 28-37 Cortical excitability after pediatric mild traumatic brain injury. Brain Stimulation, 2017, 10, 305-314 MRI monitoring of monocytes to detect immune stimulating treatment response in brain tumor. Neuro-Oncology, 2017, 19, 364-371 Hypoxia and Inflammation-Induced Disruptions of the Blood-Brain and Blood-Cerebrospinal Fluid Barriers Assessed Using a Novel T1-Based MRI Method. Acta Neurochirurgica Supplementum, 2016, 127, 123-8 Near-infrared measurements of brain oxygenation in stroke. Neurophotonics, 2016, 3, 031403 3-9 Gray Matter Hypoxia in the Brain of the Experimental Autoimmune Encephalomyelitis Model of Multiple Sclerosis. PLoS ONE, 2016, 11, e0167196 Studying cerebral hemodynamics and metabolism using simultaneous near-infrared spectroscopy and transcranial Doppler ultrasound: a hyperventilation and caffeine study. Physiological Reports, 2015, 3, e12378 Artifact reduction in long-term monitoring of cerebral |

| 66 | Integrating psychosocial care into neuro-oncology: challenges and strategies. <i>Frontiers in Oncology</i> , 2015 , 5, 41 | 5.3 | 12 |
|----|--|------|-----|
| 65 | Functional near-infrared spectroscopy reveals reduced interhemispheric cortical communication after pediatric concussion. <i>Journal of Neurotrauma</i> , 2015 , 32, 833-40 | 5.4 | 28 |
| 64 | Iron Oxide as an MRI Contrast Agent for Cell Tracking. <i>Magnetic Resonance Insights</i> , 2015 , 8, 15-29 | 5 | 45 |
| 63 | Detecting deoxyhemoglobin in spinal cord vasculature of the experimental autoimmune encephalomyelitis mouse model of multiple sclerosis using susceptibility MRI and hyperoxygenation. <i>PLoS ONE</i> , 2015 , 10, e0127033 | 3.7 | 8 |
| 62 | QuantitativeT2: interactive quantitative T2 MRI witnessed in mouse glioblastoma. <i>Journal of Medical Imaging</i> , 2015 , 2, 036002 | 2.6 | 6 |
| 61 | Reduced cortical microvascular oxygenation in multiple sclerosis: a blinded, case-controlled study using a novel quantitative near-infrared spectroscopy method. <i>Scientific Reports</i> , 2015 , 5, 16477 | 4.9 | 26 |
| 60 | Using magnetic resonance imaging in animal models to guide drug development in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2014 , 20, 3-11 | 5 | 9 |
| 59 | Therapeutic activation of macrophages and microglia to suppress brain tumor-initiating cells. <i>Nature Neuroscience</i> , 2014 , 17, 46-55 | 25.5 | 136 |
| 58 | Iron in multiple sclerosis: roles in neurodegeneration and repair. <i>Nature Reviews Neurology</i> , 2014 , 10, 459-68 | 15 | 134 |
| 57 | Understanding disease processes in multiple sclerosis through magnetic resonance imaging studies in animal models. <i>NeuroImage: Clinical</i> , 2014 , 4, 743-56 | 5.3 | 32 |
| 56 | Detection of reduced interhemispheric cortical communication during task execution in multiple sclerosis patients using functional near-infrared spectroscopy. <i>Journal of Biomedical Optics</i> , 2014 , 19, 076008 | 3.5 | 7 |
| 55 | A tale of two methods: combining near-infrared spectroscopy with MRI for studies of brain oxygenation and metabolism. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 812, 65-71 | 3.6 | 2 |
| 54 | Local metabolic rate during whole body vibration. Journal of Applied Physiology, 2013, 114, 1421-5 | 3.7 | 5 |
| 53 | Monitoring angiogenesis using a human compatible calibration for broadband near-infrared spectroscopy. <i>Journal of Biomedical Optics</i> , 2013 , 18, 16011 | 3.5 | 5 |
| 52 | Assessment of the efficacy of MRI for detection of changes in bone morphology in a mouse model of bone injury. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 38, 231-7 | 5.6 | 10 |
| 51 | Susceptibility-weighted imaging in the experimental autoimmune encephalomyelitis model of multiple sclerosis indicates elevated deoxyhemoglobin, iron deposition and demyelination. <i>Multiple Sclerosis Journal</i> , 2013 , 19, 721-31 | 5 | 33 |
| 50 | Methylphenidate-mediated reduction in prefrontal hemodynamic responses to working memory task: a functional near-infrared spectroscopy study. <i>Human Psychopharmacology</i> , 2012 , 27, 615-21 | 2.3 | 15 |
| 49 | Near-infrared spectroscopy shows preictal haemodynamic changes in temporal lobe epilepsy. <i>Epileptic Disorders</i> , 2012 , 14, 371-8 | 1.9 | 14 |

| 48 | Training the brain to survive stroke. <i>PLoS ONE</i> , 2012 , 7, e45108 | 3.7 | 17 |
|----|--|-----|-----|
| 47 | In vivo open-bore MRI reveals region- and sub-arc-specific lengthening of the unloaded human posterior cruciate ligament. <i>PLoS ONE</i> , 2012 , 7, e48714 | 3.7 | 13 |
| 46 | Functional MRI response and correlated electrophysiological changes during posterior hypothalamic nucleus deep brain stimulation. <i>NeuroImage</i> , 2011 , 56, 35-44 | 7.9 | 16 |
| 45 | Persistent enhancement of functional MRI responsiveness to sensory stimulation following repeated seizures. <i>Epilepsia</i> , 2011 , 52, 2285-92 | 6.4 | 4 |
| 44 | The functional microstructure of tendon collagen revealed by high-field MRI. <i>Magnetic Resonance in Medicine</i> , 2011 , 66, 520-7 | 4.4 | 14 |
| 43 | Stabilization of hypoxia-inducible factor-1[in buffer containing cobalt chloride for Western blot analysis. <i>Analytical Biochemistry</i> , 2011 , 416, 120-2 | 3.1 | 11 |
| 42 | Cerebral oxygenation in awake rats during acclimation and deacclimation to hypoxia: an in vivo electron paramagnetic resonance study. <i>High Altitude Medicine and Biology</i> , 2011 , 12, 71-7 | 1.9 | 7 |
| 41 | MR oximetry. <i>Methods in Molecular Biology</i> , 2011 , 771, 227-40 | 1.4 | 3 |
| 40 | Quantitative T2 analysis: the effects of noise, regularization, and multivoxel approaches. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 212-7 | 4.4 | 32 |
| 39 | A near-infrared calibration method suitable for quantification of broadband data in humans. Journal of Neuroscience Methods, 2010 , 188, 181-6 | 3 | 7 |
| 38 | A method for measuring brain partial pressure of oxygen in unanesthetized unrestrained subjects: the effect of acute and chronic hypoxia on brain tissue PO(2). <i>Journal of Neuroscience Methods</i> , 2010 , 193, 217-25 | 3 | 37 |
| 37 | Functional brain mapping at 9.4T using a new MRI-compatible electrode chronically implanted in rats. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 222-8 | 4.4 | 28 |
| 36 | Proliferation of human glioblastoma stem cells occurs independently of exogenous mitogens. <i>Stem Cells</i> , 2009 , 27, 1722-33 | 5.8 | 152 |
| 35 | Multiexponential T2 and magnetization transfer MRI of demyelination and remyelination in murine spinal cord. <i>NeuroImage</i> , 2009 , 45, 1173-82 | 7.9 | 83 |
| 34 | Effects of acute hypoxia and hyperthermia on the permeability of the blood-brain barrier in adult rats. <i>Journal of Applied Physiology</i> , 2009 , 107, 1348-56 | 3.7 | 44 |
| 33 | Measuring oxygenation in vivo with MRS/MRIfrom gas exchange to the cell. <i>Antioxidants and Redox Signaling</i> , 2007 , 9, 1157-68 | 8.4 | 4 |
| 32 | Blood-oxygen-level-dependent magnetic resonance signal and cerebral oxygenation responses to brain activation are enhanced by concurrent transient hypertension in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007 , 27, 1280-9 | 7-3 | 21 |
| 31 | Magnetic-resonance-imaging-coupled broadband near-infrared tomography system for small animal brain studies. <i>Applied Optics</i> , 2005 , 44, 2177-88 | 1.7 | 34 |

| 30 | Modeling of the response of ptO2 in rat brain to changes in physiological parameters. <i>Advances in Experimental Medicine and Biology</i> , 2005 , 566, 111-8 | 3.6 | 6 |
|----|--|--------------|-----|
| 29 | Cerebral PtO2, acute hypoxia, and volatile anesthetics in the rat brain. <i>Advances in Experimental Medicine and Biology</i> , 2005 , 566, 179-85 | 3.6 | 12 |
| 28 | Delayed arteriogenesis in hypercholesterolemic mice. <i>Circulation</i> , 2005 , 112, 2501-9 | 16.7 | 89 |
| 27 | Comparison of EPR oximetry and Eppendorf polarographic electrode assessments of rat brain PtO2. <i>Physiological Measurement</i> , 2004 , 25, 1413-23 | 2.9 | 26 |
| 26 | Macroscopic structure of articular cartilage of the tibial plateau: influence of a characteristic matrix architecture on MRI appearance. <i>American Journal of Roentgenology</i> , 2004 , 182, 311-8 | 5.4 | 109 |
| 25 | Monitoring angiogenesis in brain using steady-state quantification of DeltaR2 with MION infusion. <i>Magnetic Resonance in Medicine</i> , 2004 , 51, 55-61 | 4.4 | 47 |
| 24 | Absorption and scattering imaging of tissue with steady-state second-differential spectral-analysis tomography. <i>Optics Letters</i> , 2004 , 29, 2043-5 | 3 | 6 |
| 23 | In vivo electron paramagnetic resonance oximetry with particulate materials. <i>Methods</i> , 2003 , 30, 159-66 | 5 4.6 | 51 |
| 22 | Near-infrared imaging in the small animal brain: optimization of fiber positions. <i>Journal of Biomedical Optics</i> , 2003 , 8, 102-10 | 3.5 | 69 |
| 21 | Steady-state MR imaging with MION for quantification of angiogenesis in normal brain and in brain tumors. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 540, 221-6 | 3.6 | |
| 20 | Brain tissue and sagittal sinus pO2 measurements using the lifetimes of oxygen-quenched luminescence of a ruthenium compound. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 530, 101 | - ₹ 6 | 8 |
| 19 | The effects of anesthesia on cerebral tissue oxygen tension: use of EPR oximetry to make repeated measurements. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 530, 569-75 | 3.6 | 11 |
| 18 | Changes in oxygenation of intracranial tumors with carbogen: a BOLD MRI and EPR oximetry study. Journal of Magnetic Resonance Imaging, 2002, 16, 511-21 | 5.6 | 97 |
| 17 | Ventral medulla pHi measured in vivo by 31P NMR is not regulated during hypercapnia in anesthetized rat. <i>Respiratory Physiology and Neurobiology</i> , 2002 , 130, 139-49 | 2.8 | 8 |
| 16 | Noninvasive assessment of cerebral oxygenation during acclimation to hypobaric hypoxia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000 , 20, 1632-5 | 7.3 | 47 |
| 15 | Effect of hyperventilation on brain tissue oxygenation and cerebrovenous PO2 in rats. <i>Brain Research</i> , 2000 , 868, 150-6 | 3.7 | 32 |
| 14 | Critical oxygen tension in rat brain: a combined (31)P-NMR and EPR oximetry study. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000 , 279, R9-R16 | 3.2 | 53 |
| 13 | In vitro MR imaging of hyaline cartilage: correlation with scanning electron microscopy. <i>American Journal of Roentgenology</i> , 2000 , 174, 405-9 | 5.4 | 96 |

LIST OF PUBLICATIONS

| 12 | Quantitative magnetic resonance imaging of the mdx mouse model of Duchenne muscular dystrophy. <i>Muscle and Nerve</i> , 1999 , 22, 1367-71 | 3.4 | 44 |
|----|---|------|-----|
| 11 | High-resolution in vivo measurements of transverse relaxation times in rats at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 1998 , 39, 285-90 | 4.4 | 59 |
| 10 | Bold MRI vs. NIR Spectrophotometry. Advances in Experimental Medicine and Biology, 1998, 103-113 | 3.6 | 20 |
| 9 | Blood Oxygenation. Advances in Experimental Medicine and Biology, 1997, 645-650 | 3.6 | 25 |
| 8 | What does EPR oximetry with solid particles measureand how does this relate to other measures of PO2?. <i>Advances in Experimental Medicine and Biology</i> , 1997 , 428, 663-70 | 3.6 | 21 |
| 7 | Use of nitroxides for assessing perfusion, oxygenation, and viability of tissues: in vivo EPR and MRI studies. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 97-106 | 4.4 | 84 |
| 6 | Assessment of cerebral pO2 by EPR oximetry in rodents: effects of anesthesia, ischemia, and breathing gas. <i>Brain Research</i> , 1995 , 685, 91-8 | 3.7 | 94 |
| 5 | The apparent diffusion constant measured by MRI correlates with pO2 in a RIF-1 tumor. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 515-9 | 4.4 | 30 |
| 4 | High resolution renal diffusion imaging using a modified steady-state free precession sequence. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 586-95 | 4.4 | 16 |
| 3 | Physical training improves skeletal muscle metabolism in patients with chronic heart failure. <i>Journal of the American College of Cardiology</i> , 1993 , 21, 1101-6 | 15.1 | 299 |
| 2 | Proton buffering in human skeletal muscle studied in vivo by phosphorus magnetic resonance spectroscopy. <i>Biochemical Society Transactions</i> , 1991 , 19, 207S | 5.1 | 3 |
| 1 | Renal pH regulation in hypertension. <i>Biochemical Society Transactions</i> , 1991 , 19, 4215 | 5.1 | |