

Rheal A Towner

List of Publications by Year in descending order

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Version: 2024-02-01

202
papers

4,598
citations

101496

36
h-index

155592

55
g-index

206
all docs

206
docs citations

206
times ranked

5792
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Synergistic interventional photothermal therapy and immunotherapy using an iron oxide nanoplatform for the treatment of pancreatic cancer. <i>Acta Biomaterialia</i> , 2022, 138, 453-462. | 4.1 | 44 |
| 2 | OKN-007 Alters Protein Expression Profiles in High-Grade Gliomas: Mass Spectral Analysis of Blood Sera. <i>Brain Sciences</i> , 2022, 12, 100. | 1.1 | 2 |
| 3 | Pharmacologic treatment with OKN-007 reduces alpha-motor neuron loss in spinal cord of aging mice. <i>GeroScience</i> , 2022, 44, 67-81. | 2.1 | 2 |
| 4 | Blockade of Uttroside B-Induced Autophagic Pro-Survival Signals Augments Its Chemotherapeutic Efficacy Against Hepatocellular Carcinoma. <i>Frontiers in Oncology</i> , 2022, 12, 812598. | 1.3 | 3 |
| 5 | A tale of two multi-focal therapies for glioblastoma: An antibody targeting ELTD1 and nitrone-based OKN-007. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 570-582. | 1.6 | 3 |
| 6 | Iron oxide nanoparticles as a drug carrier reduce host immunosuppression for enhanced chemotherapy. <i>Nanoscale</i> , 2022, 14, 4588-4594. | 2.8 | 7 |
| 7 | Physical Forces in Glioblastoma Migration: A Systematic Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4055. | 1.8 | 7 |
| 8 | XRN2 Is Required for Cell Motility and Invasion in Glioblastomas. <i>Cells</i> , 2022, 11, 1481. | 1.8 | 2 |
| 9 | Age-related alterations in the cerebrovasculature affect neurovascular coupling and BOLD fMRI responses: Insights from animal models of aging. <i>Psychophysiology</i> , 2021, 58, e13718. | 1.2 | 25 |
| 10 | Effect of engineered superparamagnetic iron oxide nanoparticles in targeted cardiac precursor cell delivery by MRI. <i>Biochemical and Biophysical Research Communications</i> , 2021, 541, 15-21. | 1.0 | 9 |
| 11 | SuperGAG biopolymers for treatment of excessive bladder permeability. <i>Pharmacology Research and Perspectives</i> , 2021, 9, e00709. | 1.1 | 6 |
| 12 | Rapamycin restores brain vasculature, metabolism, and blood-brain barrier in an inflammaging model. <i>GeroScience</i> , 2021, 43, 563-578. | 2.1 | 17 |
| 13 | ELTD1 as a biomarker for multiple sclerosis: Pre-clinical molecular-targeted studies in a mouse experimental autoimmune encephalomyelitis model. <i>Multiple Sclerosis and Related Disorders</i> , 2021, 49, 102786. | 0.9 | 3 |
| 14 | ELTD1 as a Multi-Focal Target for Malignant Gliomas: Pre-Clinical Studies. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab132. | 0.4 | 1 |
| 15 | Oklahoma Nathan Shock Aging Center " assessing the basic biology of aging from genetics to protein and function. <i>GeroScience</i> , 2021, 43, 2183-2203. | 2.1 | 2 |
| 16 | Temporary opening of the blood-brain barrier with the nitrone compound OKN-007. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 11, 363-373. | 1.0 | 1 |
| 17 | MRI as a Tool to Assess Interstitial Cystitis Associated Bladder and Brain Pathologies. <i>Diagnostics</i> , 2021, 11, 2298. | 1.3 | 2 |
| 18 | Epstein Barr virus nuclear antigen 1 (EBNA-1) peptides recognized by adult multiple sclerosis patient sera induce neurologic symptoms in a murine model. <i>Journal of Autoimmunity</i> , 2020, 106, 102332. | 3.0 | 44 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Analysis of retention of gadolinium by brain, bone, and blood following linear gadolinium-based contrast agent administration in rats with experimental sepsis. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1930-1939. | 1.9 | 16 |
| 20 | Optimized monoclonal antibody treatment against ELTD1 for GBM in a G55 xenograft mouse model. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 1738-1749. | 1.6 | 21 |
| 21 | Oklahoma Nitron-007: novel treatment for diffuse intrinsic pontine glioma. <i>Journal of Translational Medicine</i> , 2020, 18, 424. | 1.8 | 7 |
| 22 | Biodegradable pH-responsive amorphous calcium carbonate nanoparticles as immunoadjuvants for multimodal imaging and enhanced photoimmunotherapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8261-8270. | 2.9 | 22 |
| 23 | Assessing In Vivo Bladder Urothelial Hyper-Permeability: Preclinical and Clinical Implications. <i>Current Bladder Dysfunction Reports</i> , 2020, 15, 240-244. | 0.2 | 0 |
| 24 | Molecular changes associated with spinal cord aging. <i>GeroScience</i> , 2020, 42, 765-784. | 2.1 | 25 |
| 25 | Assessment of an scFv Antibody Fragment Against ELTD1 in a G55 Glioblastoma Xenograft Model. <i>Translational Oncology</i> , 2020, 13, 100737. | 1.7 | 11 |
| 26 | A Pilot Study on Linking Tissue Mechanics with Load-Dependent Collagen Microstructures in Porcine Tricuspid Valve Leaflets. <i>Bioengineering</i> , 2020, 7, 60. | 1.6 | 16 |
| 27 | Immunologically modified MnFe2O4 nanoparticles to synergize photothermal therapy and immunotherapy for cancer treatment. <i>Chemical Engineering Journal</i> , 2020, 396, 125239. | 6.6 | 59 |
| 28 | Phase Ib clinical trial of OKN-007 in recurrent malignant glioma. <i>Journal of Clinical Oncology</i> , 2020, 38, 2538-2538. | 0.8 | 4 |
| 29 | In vivo and ex vivo assessment of bladder hyper-permeability and using molecular targeted magnetic resonance imaging to detect claudin-2 in a mouse model for interstitial cystitis. <i>PLoS ONE</i> , 2020, 15, e0239282. | 1.1 | 4 |
| 30 | Novel approaches to combat chemoresistance against glioblastomas. , 2020, 3, 686-698. | | 5 |
| 31 | Assessing bladder hyper-permeability biomarkers using molecularly-targeted MRI. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 10, 57-65. | 1.0 | 4 |
| 32 | CTNI-16. FEASIBILITY PILOT STUDY OF OKN-007 IN COMBINATION WITH ADJUVANT TEMOZOLOMIDE CHEMORADIOTHERAPY IN PATIENTS WITH NEWLY DIAGNOSED GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2020, 22, ii45-ii45. | 0.6 | 0 |
| 33 | CTNI-39. PHASE 1B CLINICAL TRIAL OF OKN-007 IN RECURRENT MALIGNANT GLIOMA. <i>Neuro-Oncology</i> , 2020, 22, ii51-ii51. | 0.6 | 0 |
| 34 | Title is missing!. , 2020, 15, e0239282. | | 0 |
| 35 | Title is missing!. , 2020, 15, e0239282. | | 0 |
| 36 | Title is missing!. , 2020, 15, e0239282. | | 0 |

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| 37 | Title is missing!. , 2020, 15, e0239282. | | 0 |
| 38 | Title is missing!. , 2020, 15, e0239282. | | 0 |
| 39 | Title is missing!. , 2020, 15, e0239282. | | 0 |
| 40 | Title is missing!. , 2020, 15, e0239282. | | 0 |
| 41 | Title is missing!. , 2020, 15, e0239282. | | 0 |
| 42 | An investigation of layer-specific tissue biomechanics of porcine atrioventricular valve anterior leaflets. <i>Acta Biomaterialia</i> , 2019, 96, 368-384. | 4.1 | 24 |
| 43 | An investigation of the glycosaminoglycan contribution to biaxial mechanical behaviours of porcine atrioventricular heart valve leaflets. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190069. | 1.5 | 16 |
| 44 | Anti-inflammatory agent, OKN-007, reverses long-term neuroinflammatory responses in a rat encephalopathy model as assessed by multi-parametric MRI: implications for aging-associated neuroinflammation. <i>GeroScience</i> , 2019, 41, 483-494. | 2.1 | 13 |
| 45 | Lipopolysaccharide exposure in a rat sepsis model results in hippocampal amyloid- β^2 plaque and phosphorylated tau deposition and corresponding behavioral deficits. <i>GeroScience</i> , 2019, 41, 467-481. | 2.1 | 28 |
| 46 | Using MRI to measure in vivo free radical production and perfusion dynamics in a mouse model of elevated oxidative stress and neurogenic atrophy. <i>Redox Biology</i> , 2019, 26, 101308. | 3.9 | 10 |
| 47 | Mechanics of the Tricuspid Valve—From Clinical Diagnosis/Treatment, In-Vivo and In-Vitro Investigations, to Patient-Specific Biomechanical Modeling. <i>Bioengineering</i> , 2019, 6, 47. | 1.6 | 33 |
| 48 | Regional biaxial mechanical data of the mitral and tricuspid valve anterior leaflets. <i>Data in Brief</i> , 2019, 24, 103961. | 0.5 | 0 |
| 49 | Immunomodulatory response of layered small intestinal submucosa in a rat bladder regeneration model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 1960-1969. | 1.6 | 5 |
| 50 | EXTH-07. OPTIMIZATION OF TARGETING ELTD1 IN GLIOBLASTOMA USING A MOLECULAR TARGETING APPROACH. <i>Neuro-Oncology</i> , 2019, 21, vi83-vi83. | 0.6 | 1 |
| 51 | PEGylated reduced-graphene oxide hybridized with Fe ₃ O ₄ nanoparticles for cancer photothermal-immunotherapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 7406-7414. | 2.9 | 68 |
| 52 | PDTM-04. EARLY DETECTION BY MRI OF MOUSE MODELS WITH DIFFUSE INTRINSIC PONTINE GLIOMA. <i>Neuro-Oncology</i> , 2019, 21, vi187-vi187. | 0.6 | 0 |
| 53 | OKN-007 Increases temozolomide (TMZ) Sensitivity and Suppresses TMZ-Resistant Glioblastoma (GBM) Tumor Growth. <i>Translational Oncology</i> , 2019, 12, 320-335. | 1.7 | 33 |
| 54 | An investigation of regional variations in the biaxial mechanical properties and stress relaxation behaviors of porcine atrioventricular heart valve leaflets. <i>Journal of Biomechanics</i> , 2019, 83, 16-27. | 0.9 | 43 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Magnetic resonance imaging thermometry for laser immunotherapy in orthotopic pancreatic cancer. , 2019, , . | | 0 |
| 56 | Association of decreased levels of lipopolysaccharide-binding protein with OKN-007â€“induced regression of tumor growth in an F98 rat glioma model. Journal of Neurosurgery, 2019, , 1-9. | 0.9 | 3 |
| 57 | Targeting ELTD1, an angiogenesis marker for glioblastoma (GBM), also affects VEGFR2: molecular-targeted MRI assessment. American Journal of Nuclear Medicine and Molecular Imaging, 2019, 9, 93-109. | 1.0 | 12 |
| 58 | Assessing long-term neuroinflammatory responses to encephalopathy using MRI approaches in a rat endotoxemia model. GeroScience, 2018, 40, 49-60. | 2.1 | 36 |
| 59 | Therapeutic efficacy of a synthetic epsin mimetic peptide in glioma tumor model: uncovering multiple mechanisms beyond the VEGF-associated tumor angiogenesis. Journal of Neuro-Oncology, 2018, 138, 17-27. | 1.4 | 7 |
| 60 | Preclinical Animal Studies of Intravesical Recombinant Human Proteoglycan 4 as a Novel Potential Therapy for Diseases Resulting From Increased Bladder Permeability. Urology, 2018, 116, 230.e1-230.e7. | 0.5 | 10 |
| 61 | Reduced urothelial regeneration in rat bladders augmented with permeable porcine small intestinal submucosa assessed by magnetic resonance imaging. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1778-1787. | 1.6 | 7 |
| 62 | Homozygous Expression of Mutant ELOVL4 Leads to Seizures and Death in a Novel Animal Model of Very Long-Chain Fatty Acid Deficiency. Molecular Neurobiology, 2018, 55, 1795-1813. | 1.9 | 27 |
| 63 | <i>In Vivo</i> and <i>In Situ</i> Detection of Macromolecular Free Radicals Using Immuno-Spin Trapping and Molecular Magnetic Resonance Imaging. Antioxidants and Redox Signaling, 2018, 28, 1404-1415. | 2.5 | 13 |
| 64 | Detecting In Vivo Free Radicals in Various Disease Models. , 2018, , . | | 1 |
| 65 | Biaxial mechanical data of porcine atrioventricular valve leaflets. Data in Brief, 2018, 21, 358-363. | 0.5 | 15 |
| 66 | Exosomes as Theranostics for Lung Cancer. Advances in Cancer Research, 2018, 139, 1-33. | 1.9 | 52 |
| 67 | An investigation of the anisotropic mechanical properties and anatomical structure of porcine atrioventricular heart valves. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 87, 155-171. | 1.5 | 61 |
| 68 | Exosome RNAs as Biomarkers and Targets for Cancer Therapy. , 2018, , 129-159. | | 3 |
| 69 | Lipopolysaccharide endotoxemia induces amyloid-Î² and p-tau formation in the rat brain. American Journal of Nuclear Medicine and Molecular Imaging, 2018, 8, 86-99. | 1.0 | 27 |
| 70 | ELTD1, an effective anti-angiogenic target for gliomas: preclinical assessment in mouse GL261 and human G55 xenograft glioma models. Neuro-Oncology, 2017, 19, now147. | 0.6 | 26 |
| 71 | Profibrotic Infrapatellar Fat Pad Remodeling Without M1 Macrophage Polarization Precedes Knee Osteoarthritis in Mice With Diet-Induced Obesity. Arthritis and Rheumatology, 2017, 69, 1221-1232. | 2.9 | 67 |
| 72 | Role of endoplasmic reticulum stress signalling in diabetic endothelial dysfunction and atherosclerosis. Diabetes and Vascular Disease Research, 2017, 14, 14-23. | 0.9 | 83 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Gestational hypoxia disrupts the neonatal leptin surge and programs hyperphagia and obesity in male offspring in the Sprague-Dawley rat. <i>PLoS ONE</i> , 2017, 12, e0185272. | 1.1 | 12 |
| 74 | AG488 as a therapy against gliomas. <i>Oncotarget</i> , 2017, 8, 71833-71844. | 0.8 | 3 |
| 75 | Mimetic peptide of ubiquitin-interacting motif of epsin as a cancer therapeutic-perspective in brain tumor therapy through regulating VEGFR2 signaling. <i>Vessel Plus</i> , 2017, 1, 3-11. | 0.4 | 8 |
| 76 | Ameliorative Effects of Antioxidants on the Hippocampal Accumulation of Pathologic Tau in a Rat Model of Blast-Induced Traumatic Brain Injury. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-15. | 1.9 | 30 |
| 77 | Safe Oral Triiodo-L-Thyronine Therapy Protects from Post-Infarct Cardiac Dysfunction and Arrhythmias without Cardiovascular Adverse Effects. <i>PLoS ONE</i> , 2016, 11, e0151413. | 1.1 | 41 |
| 78 | In the absence of overt urothelial damage, chondroitinase ABC digestion of the GAG layer increases bladder permeability in ovariectomized female rats. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F1074-F1080. | 1.3 | 12 |
| 79 | Nitrones as Potent Anticancer Therapeutics. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2016, , 245-264. | 0.4 | 2 |
| 80 | Sexually dimorphic effects of early life stress in rat pups on urinary bladder detrusor muscle contractility in adulthood. <i>Biology of Sex Differences</i> , 2016, 7, 8. | 1.8 | 5 |
| 81 | A Feasibility Study to Determine Whether Clinical Contrast Enhanced Magnetic Resonance Imaging can Detect Increased Bladder Permeability in Patients with Interstitial Cystitis. <i>Journal of Urology</i> , 2016, 195, 631-638. | 0.2 | 24 |
| 82 | Targeting mTOR and p53 Signaling Inhibits Muscle Invasive Bladder Cancer <i>In Vivo</i> . <i>Cancer Prevention Research</i> , 2016, 9, 53-62. | 0.7 | 14 |
| 83 | SU-G-IeP1-10: Permeability Evaluation of Interstitial Cystitis by DCE-MRI of the Bladder. <i>Medical Physics</i> , 2016, 43, 3646-3646. | 1.6 | 0 |
| 84 | OKN-007 decreases tumor necrosis and tumor cell proliferation and increases apoptosis in a preclinical F98 rat glioma model. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1582-1591. | 1.9 | 16 |
| 85 | Assessment of colon and bladder crosstalk in an experimental colitis model using contrast-enhanced magnetic resonance imaging. <i>Neurogastroenterology and Motility</i> , 2015, 27, 1571-1579. | 1.6 | 8 |
| 86 | Inhibition of Pediatric Glioblastoma Tumor Growth by the Anti-Cancer Agent OKN-007 in Orthotopic Mouse Xenografts. <i>PLoS ONE</i> , 2015, 10, e0134276. | 1.1 | 16 |
| 87 | <i>In vivo</i> targeted molecular magnetic resonance imaging of free radicals in diabetic cardiomyopathy within mice. <i>Free Radical Research</i> , 2015, 49, 1140-1146. | 1.5 | 15 |
| 88 | Nanoformulations for therapy of pancreatic and liver cancers. <i>Nanomedicine</i> , 2015, 10, 1515-1534. | 1.7 | 7 |
| 89 | Hemodynamic effects of long-term morphological changes in the human carotid sinus. <i>Journal of Biomechanics</i> , 2015, 48, 956-962. | 0.9 | 7 |
| 90 | Contrast Enhanced Magnetic Resonance Imaging as a Diagnostic Tool to Assess Bladder Permeability and Associated Colon Cross Talk: Preclinical Studies in a Rat Model. <i>Journal of Urology</i> , 2015, 193, 1394-1400. | 0.2 | 22 |

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| 91 | Mechanisms of Visceral Organ Crosstalk: Importance of Alterations in Permeability in Rodent Models. <i>Journal of Urology</i> , 2015, 194, 804-811. | 0.2 | 28 |
| 92 | Pharmacologically-Induced Neurovascular Uncoupling is Associated with Cognitive Impairment in Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1871-1881. | 2.4 | 105 |
| 93 | A new anti-glioma therapy, AG119: pre-clinical assessment in a mouse GL261 glioma model. <i>BMC Cancer</i> , 2015, 15, 522. | 1.1 | 12 |
| 94 | OKN-007 decreases free radical levels in a preclinical F98 rat glioma model. <i>Free Radical Biology and Medicine</i> , 2015, 87, 157-168. | 1.3 | 19 |
| 95 | Motif mimetic of epsin perturbs tumor growth and metastasis. <i>Journal of Clinical Investigation</i> , 2015, 125, 4349-4364. | 3.9 | 24 |
| 96 | Increased bladder permeability in interstitial cystitis/painful bladder syndrome. <i>Translational Andrology and Urology</i> , 2015, 4, 563-571. | 0.6 | 33 |
| 97 | Experimental Neurovascular Uncoupling Promotes Cognitive Impairment in Mice: Implications for Brain and Cerebromicrovascular Aging. <i>FASEB Journal</i> , 2015, 29, 789.10. | 0.2 | 0 |
| 98 | OKN-007 decreases VEGFR-2 levels in a preclinical GL261 mouse glioma model. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 5, 363-78. | 1.0 | 8 |
| 99 | Prioritizing uncharacterized genes in the search for glioma biomarkers. <i>CNS Oncology</i> , 2014, 3, 93-95. | 1.2 | 2 |
| 100 | Up-regulation of the Sirtuin 1 (Sirt1) and Peroxisome Proliferator-activated Receptor β Coactivator-1 α (PGC-1 α) Genes in White Adipose Tissue of Id1 Protein-deficient Mice. <i>Journal of Biological Chemistry</i> , 2014, 289, 29112-29122. | 1.6 | 21 |
| 101 | Immuno-spin trapping from biochemistry to medicine: Advances, challenges, and pitfalls. Focus on protein-centered radicals. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 722-729. | 1.1 | 39 |
| 102 | Magnetothermoacoustics from magnetic nanoparticles by short bursting or frequency chirped alternating magnetic field: A theoretical feasibility analysis. <i>Medical Physics</i> , 2013, 40, 063301. | 1.6 | 22 |
| 103 | Experimental validation of 5 in-silico predicted glioma biomarkers. <i>Neuro-Oncology</i> , 2013, 15, 1625-1634. | 0.6 | 29 |
| 104 | In vivo detection of free radicals in mouse septic encephalopathy using molecular MRI and immuno-spin trapping. <i>Free Radical Biology and Medicine</i> , 2013, 65, 828-837. | 1.3 | 26 |
| 105 | Combined molecular MRI and immuno-spin-trapping for in vivo detection of free radicals in orthotopic mouse GL261 gliomas. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 2153-2161. | 1.8 | 22 |
| 106 | Nitronone-based therapeutics for neurodegenerative diseases: Their use alone or in combination with lanthionines. <i>Free Radical Biology and Medicine</i> , 2013, 62, 145-156. | 1.3 | 63 |
| 107 | Calibration of a semi-automated segmenting method for quantification of adipose tissue compartments from magnetic resonance images of mice. <i>Metabolism: Clinical and Experimental</i> , 2013, 62, 1686-1695. | 1.5 | 10 |
| 108 | In vivo detection of free radicals using molecular MRI and immuno-spin trapping in a mouse model for amyotrophic lateral sclerosis. <i>Free Radical Biology and Medicine</i> , 2013, 63, 351-360. | 1.3 | 34 |

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|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Regression of glioma tumor growth in F98 and U87 rat glioma models by the Nitron OKN-007. <i>Neuro-Oncology</i> , 2013, 15, 330-340. | 0.6 | 36 |
| 110 | ELTD1, a Potential New Biomarker for Gliomas. <i>Neurosurgery</i> , 2013, 72, 77-91. | 0.6 | 72 |
| 111 | Targeting retinoblastoma: therapeutic inhibition using catalytic antioxidant cerium oxide nanoparticles. <i>FASEB Journal</i> , 2013, 27, 1088.16. | 0.2 | 2 |
| 112 | In Vitro Phase-Contrast Magnetic Resonance Investigation on Development of Human Carotid Sinus in Young Age. , 2013, , . | | 0 |
| 113 | Molecular MRI differentiation of VEGF receptor-2 levels in C6 and RG2 glioma models. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 3, 300-11. | 1.0 | 11 |
| 114 | Loss of Caveolin-1 Impairs Retinal Function Due to Disturbance of Subretinal Microenvironment. <i>Journal of Biological Chemistry</i> , 2012, 287, 16424-16434. | 1.6 | 50 |
| 115 | In Vivo Imaging of Immuno-Spin Trapped Radicals With Molecular Magnetic Resonance Imaging in a Diabetic Mouse Model. <i>Diabetes</i> , 2012, 61, 2405-2413. | 0.3 | 35 |
| 116 | <i>In vivo</i> characterization of several rodent glioma models by ¹ H MRS. <i>NMR in Biomedicine</i> , 2012, 25, 685-694. | 1.6 | 52 |
| 117 | Endothelial epsin deficiency decreases tumor growth by enhancing VEGF signaling. <i>Journal of Clinical Investigation</i> , 2012, 122, 4424-4438. | 3.9 | 97 |
| 118 | Development of a vertically and horizontally applicable multi-frequency alternating-magnetic-field device for hyperthermia of glioma in rodent model using iron oxide based nanoparticles. , 2012, , . | | 3 |
| 119 | Thermal effects in tissues induced by interstitial irradiation of near infrared laser with a cylindrical diffuser. <i>Proceedings of SPIE</i> , 2011, , . | 0.8 | 1 |
| 120 | Molecular MRI assessment of vascular endothelial growth factor receptor-2 in rat C6 gliomas. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 837-849. | 1.6 | 18 |
| 121 | Translational research involving oxidative stress and diseases of aging. <i>Free Radical Biology and Medicine</i> , 2011, 51, 931-941. | 1.3 | 60 |
| 122 | Effects of PBN and OKN007 in rodent glioma models assessed by ¹ H MR spectroscopy. <i>Free Radical Biology and Medicine</i> , 2011, 51, 490-502. | 1.3 | 21 |
| 123 | Comparative analysis of protein transport in the N. benthamiana vasculature reveals different destinations.. <i>Plant Signaling and Behavior</i> , 2011, 6, 1793-1808. | 1.2 | 5 |
| 124 | Anti-Cancer Activity of Nitrones and Observations on Mechanism of Action. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2011, 11, 373-379. | 0.9 | 53 |
| 125 | Assessment of thermal effects of interstitial laser phototherapy on mammary tumors using proton resonance frequency method. <i>Journal of Biomedical Optics</i> , 2011, 16, 128001. | 1.4 | 18 |
| 126 | Magnetic Resonance Spectroscopy for Evaluation of Liposome-Encapsulated Hemoglobin as a Resuscitation Fluid. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2010, 38, 69-78. | 0.9 | 7 |

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|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | In vivo detection of inducible nitric oxide synthase in rodent gliomas. <i>Free Radical Biology and Medicine</i> , 2010, 48, 691-703. | 1.3 | 28 |
| 128 | Multiparametric assessment of the anti-glioma properties of OKN007 by magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 796-806. | 1.9 | 34 |
| 129 | Glioma morphology and tumor-induced vascular alterations revealed in seven rodent glioma models by in vivo magnetic resonance imaging and angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 267-275. | 1.9 | 71 |
| 130 | Sepsis-Associated Encephalopathy: A Magnetic Resonance Imaging and Spectroscopy Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 440-448. | 2.4 | 76 |
| 131 | Brain Activation in Response to Visceral Stimulation in Rats with Amygdala Implants of Corticosterone: An fMRI Study. <i>PLoS ONE</i> , 2010, 5, e8573. | 1.1 | 35 |
| 132 | Anti-cancer activity of nitrones in the Apc ^{Min/+} model of colorectal cancer. <i>Free Radical Research</i> , 2010, 44, 108-117. | 1.5 | 22 |
| 133 | Oil Phase Evaporation-Induced Self-Assembly of Hydrophobic Nanoparticles into Spherical Clusters with Controlled Surface Chemistry in an Oil-in-Water Dispersion and Comparison of Behaviors of Individual and Clustered Iron Oxide Nanoparticles. <i>Journal of the American Chemical Society</i> , 2010, 132, 17724-17732. | 6.6 | 146 |
| 134 | Molecular Magnetic Resonance Imaging Approaches Used to Aid in the Understanding of Angiogenesis <i>In Vivo</i> : Implications for Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2010, 16, 357-364. | 1.6 | 32 |
| 135 | Molecular Magnetic Resonance Imaging Approaches Used to Aid in the Understanding of the Tissue Regeneration Marker Met <i>In Vivo</i> : Implications for Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2010, 16, 365-371. | 1.6 | 15 |
| 136 | Non-mammalian fat-1 gene prevents neoplasia when introduced to a mouse hepatocarcinogenesis model. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 1133-1144. | 1.2 | 25 |
| 137 | Xylosyltransferase II is a significant contributor of circulating xylosyltransferase levels and platelets constitute an important source of xylosyltransferase in serum. <i>Glycobiology</i> , 2009, 19, 829-833. | 1.3 | 20 |
| 138 | Immuno-spin trapping of protein and DNA radicals: Tagging free radicals to locate and understand the redox process. <i>Free Radical Biology and Medicine</i> , 2009, 46, 853-865. | 1.3 | 56 |
| 139 | Basal and hypercapnia-altered cerebrovascular perfusion predict mild cognitive impairment in aging rodents. <i>Neuroscience</i> , 2009, 164, 918-928. | 1.1 | 30 |
| 140 | MO-EE-A4-03: Evaluation of a New More Efficient and More Objective MRS Tool for Brain Gliomas. <i>Medical Physics</i> , 2009, 36, 2706-2706. | 1.6 | 0 |
| 141 | <i>In vivo</i> detection of Met expression in a rat C6 glioma model. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 174-186. | 1.6 | 52 |
| 142 | Diffusion tensor imaging and fiber tractography of C6 rat glioma. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 566-573. | 1.9 | 16 |
| 143 | Visualization of the protective ability of a free radical trapping compound against rat C6 and F98 gliomas with diffusion tensor fiber tractography. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 574-587. | 1.9 | 25 |
| 144 | Chemical speciation by selective heteronuclear single-quantum coherence spectroscopy: determination of double bond quantity in unsaturated fatty acid compounds. <i>NMR in Biomedicine</i> , 2008, 21, 345-356. | 1.6 | 4 |

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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 145 | Phenyl-tert-butyl nitron induces tumor regression and decreases angiogenesis in a C6 rat glioma model. <i>Free Radical Biology and Medicine</i> , 2008, 44, 63-72. | 1.3 | 46 |
| 146 | Nitrones as therapeutics. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1361-1374. | 1.3 | 188 |
| 147 | Magnetic resonance imaging guidance for laser photothermal therapy. <i>Journal of Biomedical Optics</i> , 2008, 13, 044033. | 1.4 | 18 |
| 148 | Gel phantom in selective laser phototherapy. , 2008, , . | | 2 |
| 149 | The correlation study of temperature distribution with the immunology response under laser radiation. <i>Proceedings of SPIE</i> , 2008, , . | 0.8 | 0 |
| 150 | Modulation of Fas-FasL related apoptosis by PBN in the early phases of choline deficient diet-mediated hepatocarcinogenesis in rats. <i>Free Radical Research</i> , 2007, 41, 972-980. | 1.5 | 15 |
| 151 | Polycystic disease caused by deficiency in xylosyltransferase 2, an initiating enzyme of glycosaminoglycan biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9416-9421. | 3.3 | 55 |
| 152 | Tissue temperature distribution measurement by MRI and laser immunology for cancer treatment. , 2007, , . | | 0 |
| 153 | MRI 3D tissue temperature distribution measurement. , 2007, , . | | 0 |
| 154 | Nitric Oxide and Cancer Development. <i>Journal of Toxicologic Pathology</i> , 2007, 20, 77-92. | 0.3 | 19 |
| 155 | In Vivo Detection of c-MET Expression in a Rat Hepatocarcinogenesis Model Using Molecularly Targeted Magnetic Resonance Imaging. <i>Molecular Imaging</i> , 2007, 6, 7290.2006.00031. | 0.7 | 15 |
| 156 | Early myocardial dysfunction in streptozotocin-induced diabetic mice: a study using in vivo magnetic resonance imaging (MRI). <i>Cardiovascular Diabetology</i> , 2007, 6, 6. | 2.7 | 55 |
| 157 | Lymphatic vessel density and function in experimental bladder cancer. <i>BMC Cancer</i> , 2007, 7, 219. | 1.1 | 25 |
| 158 | In vivo detection of c-MET expression in a rat hepatocarcinogenesis model using molecularly targeted magnetic resonance imaging. <i>Molecular Imaging</i> , 2007, 6, 18-29. | 0.7 | 10 |
| 159 | Tissue temperature distribution measurement and laser immunotherapy for cancer treatment. , 2006, , . | | 0 |
| 160 | LINE-1 Hypomethylation in a Choline-Deficiency-Induced Liver Cancer in Rats: Dependence on Feeding Period. <i>Journal of Biomedicine and Biotechnology</i> , 2006, 2006, 1-6. | 3.0 | 37 |
| 161 | Hepatocarcinogenesis tumor grading correlated with in vivo image-guided H-NMR spectroscopy in a rat model. <i>Toxicology and Applied Pharmacology</i> , 2005, 207, 237-244. | 1.3 | 11 |
| 162 | Zinc deficiency and oxidative stress in brain: Magnetic resonance investigations in weanling rats. <i>Journal of Trace Elements in Experimental Medicine</i> , 2004, 17, 161-174. | 0.8 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 163 | In vivo identification of aflatoxin-induced free radicals in rat bile. Free Radical Biology and Medicine, 2003, 35, 1330-1340. | 1.3 | 78 |
| 164 | Assessment of in Vivo Oxidative Lipid Metabolism Following Acute Microcystin-LR-induced Hepatotoxicity in Rats. Free Radical Research, 2002, 36, 63-71. | 1.5 | 29 |
| 165 | In vivo detection of aflatoxin-induced lipid free radicals in rat bile. Biochimica Et Biophysica Acta - General Subjects, 2002, 1573, 55-62. | 1.1 | 23 |
| 166 | In vivo assessment of nodularin-induced hepatotoxicity in the rat using magnetic resonance techniques (MRI, MRS and EPR oximetry). Chemico-Biological Interactions, 2002, 139, 231-250. | 1.7 | 16 |
| 167 | Magnetic Resonance Imaging of Pulmonary Damage in the Term and Premature Rat Neonate Exposed to Hyperoxia. Pediatric Research, 2001, 50, 502-507. | 1.1 | 15 |
| 168 | Non-invasive in vivo magnetic resonance imaging assessment of acute aflatoxin B1 hepatotoxicity in rats. Biochimica Et Biophysica Acta - General Subjects, 2000, 1475, 314-320. | 1.1 | 13 |
| 169 | In vivo assessment of microcystin-LR-induced hepatotoxicity in the rat using proton nuclear magnetic resonance (1H-NMR) imaging. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1999, 1454, 227-235. | 1.8 | 13 |
| 170 | In vivo study of halothane hepatotoxicity in the rat using magnetic resonance imaging and 31P spectroscopy.. Journal of Proteomics, 1997, 34, 107-122. | 2.4 | 6 |
| 171 | Detection of Hydroxyl and Carbon-Centred Radicals by EPR Spectroscopy after Ischaemia and Reperfusion of the Rat Kidney. Free Radical Research, 1996, 25, 31-42. | 1.5 | 29 |
| 172 | Hydroxyl radical generation following ischaemia-reperfusion in cell-free perfused rat kidney. Biochimica Et Biophysica Acta - General Subjects, 1995, 1243, 169-174. | 1.1 | 31 |
| 173 | Diagnosis of Persistent Intestinal Ischemia in the Rabbit Using Proton Magnetic Resonance Imaging. Journal of Investigative Surgery, 1994, 7, 485-492. | 0.6 | 2 |
| 174 | Influences of Dietary Deoxycholic Acid on Progression of Hepatocellular Neoplasms and Expression of Glutathione S-Transferases in Rats. Toxicologic Pathology, 1994, 22, 579-588. | 0.9 | 3 |
| 175 | In vivo magnetic resonance imaging study of Kupffer cell involvement in CCl4-induced hepatotoxicity in rats. Canadian Journal of Physiology and Pharmacology, 1994, 72, 441-446. | 0.7 | 13 |
| 176 | Comparison of magnetic resonance images and the histopathological findings of lesions induced by interstitial laser photocoagulation in the brain. Lasers in Surgery and Medicine, 1993, 13, 45-54. | 1.1 | 86 |
| 177 | MRI study of the inhibitory effect of new spin traps on in vivo CCl4-induced hepatotoxicity in rats. Free Radical Biology and Medicine, 1993, 14, 677-681. | 1.3 | 13 |
| 178 | <i>In Vivo</i> ³¹ P NMR Spectroscopy Studies of Halothane Induced Porcine Stress Syndrome. No Effect of C-Phenyl N-Tertbutyl Nitron (PBN). Free Radical Research Communications, 1993, 19, 43-50. | 1.8 | 1 |
| 179 | Use of Nitroxides as MRI Contrast Agents to Study <i>in vivo</i> Carbon Tetrachloride Induced Hepatotoxicity in Rats. Free Radical Research Communications, 1993, 19, s211-s218. | 1.8 | 2 |
| 180 | Diagnosis of Intestinal Ischemia in the Rat Using Magnetic Resonance Imaging. Journal of Investigative Surgery, 1993, 6, 177-183. | 0.6 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 181 | Use of and double frequency tuned birdcage coils to study in vivo carbon tetrachloride-induced hepatotoxicity in rats. <i>Magnetic Resonance Imaging</i> , 1992, 10, 679-688. | 1.0 | 5 |
| 182 | Spin trapping of free radical metabolites of carbon tetrachloride in vitro and in vivo: Effect of acute ethanol administration. <i>Toxicology and Applied Pharmacology</i> , 1992, 112, 17-23. | 1.3 | 23 |
| 183 | Magnetic resonance imaging of interstitial laser photocoagulation in brain. <i>Lasers in Surgery and Medicine</i> , 1992, 12, 165-173. | 1.1 | 87 |
| 184 | Aminoxyl Radicals as MRI Contrast Agents. , 1992, , 573-583. | | 9 |
| 185 | Enhancement of carbon tetrachloride-induced liver injury by a single dose of ethanol: proton magnetic resonance imaging (MRI) studies in vivo. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1991, 1096, 222-230. | 1.8 | 13 |
| 186 | In vivo proton magnetic resonance imaging and localized spectroscopic analysis of polycystic kidney disease in mice. <i>Magnetic Resonance Imaging</i> , 1991, 9, 429-434. | 1.0 | 11 |
| 187 | Sodium-23 and proton nuclear magnetic resonance imaging studies of carbon tetrachloride-induced liver damage in the rat. <i>Magnetic Resonance Imaging</i> , 1990, 8, 459-465. | 1.0 | 7 |
| 188 | Structure Identification of Free Radicals by ESR And Gc/Ms of Pbn Spin Adducts From the <i>In Vitro</i> and <i>In Vivo</i> Rat Liver Metabolism Of Halothane. <i>Free Radical Research Communications</i> , 1990, 9, 343-351. | 1.8 | 28 |
| 189 | Mass Spectroscopy and Chromatography of the Trichloromethyl Radical Adduct of PhenylTer T-Butyl Nitron. <i>Free Radical Research Communications</i> , 1990, 9, 353-360. | 1.8 | 19 |
| 190 | The Effect of PhenylTert-Butyl Nitron (Pbn) on Ccl4-Induced Rat Liver Injury Detected by Proton Magnetic Resonance Imaging (Mri) <i>In Vivo</i> and Electron Microscopy (Em). <i>Free Radical Research Communications</i> , 1990, 9, 325-335. | 1.8 | 31 |
| 191 | Investigations of the Horse Conceptus Via Magnetic Resonance Imaging (Mri) and Nitroxide Spin Labels as Contrast Agents. <i>Free Radical Research Communications</i> , 1990, 9, 391-397. | 1.8 | 2 |
| 192 | Enhanced Recognition of Spin Trapped Radicals In Complex Mixtures: Deuterated Nitronyl Adducts Provide A Gas Chromatographic/Mass Spectrometric Marker. <i>Analytical Letters</i> , 1989, 22, 1009-1020. | 1.0 | 12 |
| 193 | Hexachlorobenzene: Biochemical effects and synergistic toxic interactions with 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Toxicological and Environmental Chemistry</i> , 1989, 22, 215-227. | 0.6 | 11 |
| 194 | In vivo proton nuclear magnetic resonance imaging and spectroscopy studies of halocarbon-induced liver damage. <i>Magnetic Resonance in Medicine</i> , 1989, 9, 229-239. | 1.9 | 47 |
| 195 | Locating spin traps in heterogeneous media by carbon-13 NMR spectroscopy. Investigations in SDS micelles, DMPC vesicles, and rat liver microsomes. <i>Journal of Organic Chemistry</i> , 1989, 54, 2915-2920. | 1.7 | 40 |
| 196 | In vivo and in vitro ³¹ P-NMR spectroscopy of rat liver treated with halocarbons. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1989, 993, 92-99. | 1.1 | 13 |
| 197 | Factors Influencing the Formation of the Carbon Dioxide Radical Anion (CO ₂ ^{•-}) Spin Adduct of Pbn in the Rat Liver Metabolism of Halocarbons. <i>Free Radical Research Communications</i> , 1988, 4, 359-369. | 1.8 | 29 |
| 198 | Detection of Free Radicals Generated from their <i>In Vitro</i> Metabolism of Carbon Tetrachloride Using Improved ESR Spin Trapping Techniques. <i>Free Radical Research Communications</i> , 1987, 3, 357-364. | 1.8 | 55 |

| # | ARTICLE | IF | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 199 | Nonadditive interactive effects of polychlorinated biphenyl congeners in rats: role of the 2,3,7,8-tetraehlorodibenzo-p-dioxin receptor. Canadian Journal of Physiology and Pharmacology, 1987, 65, 1908-1912. | 0.7 | 27 |
| 200 | Elevation of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) polychlorinated biphenyls. Biochemical Pharmacology, 1986, 35, 277-282. | 2.0 | 54 |
| 201 | Polychlorinated biphenyls: Correlation between in vivo and in vitro quantitative structureâ€activity relationships (QSARs). Journal of Toxicology and Environmental Health - Part A: Current Issues, 1985, 16, 379-388. | 1.1 | 122 |
| 202 | Pre-Clinical Models and Potential Novel Therapies for Glioblastomas. , 0 , 1-14. | | 2 |