

# Rheal A Towner

## List of Publications by Year in descending order

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202  
papers

4,598  
citations

101384

36  
h-index

155451

55  
g-index

206  
all docs

206  
docs citations

206  
times ranked

5792  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrones as therapeutics. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1361-1374.	1.3	188
2	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
3	Polychlorinated biphenyls: Correlation between in vivo and in vitro quantitative structure-activity relationships (QSARs). <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1985, 16, 379-388.	1.1	122
4	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
5	Endothelial epsin deficiency decreases tumor growth by enhancing VEGF signaling. <i>Journal of Clinical Investigation</i> , 2012, 122, 4424-4438.	3.9	97
6	Magnetic resonance imaging of interstitial laser photocoagulation in brain. <i>Lasers in Surgery and Medicine</i> , 1992, 12, 165-173.	1.1	87
7	Comparison of magnetic resonance images and the histopathological findings of lesions induced by interstitial laser photocoagulation in the brain. <i>Lasers in Surgery and Medicine</i> , 1993, 13, 45-54.	1.1	86
8	Role of endoplasmic reticulum stress signalling in diabetic endothelial dysfunction and atherosclerosis. <i>Diabetes and Vascular Disease Research</i> , 2017, 14, 14-23.	0.9	83
9	In vivo identification of aflatoxin-induced free radicals in rat bile. <i>Free Radical Biology and Medicine</i> , 2003, 35, 1330-1340.	1.3	78
10	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
11	ELTD1, a Potential New Biomarker for Gliomas. <i>Neurosurgery</i> , 2013, 72, 77-91.	0.6	72
12	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
13	PEGylated reduced-graphene oxide hybridized with Fe <sub>3</sub> O <sub>4</sub> nanoparticles for cancer photothermal-immunotherapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 7406-7414.	2.9	68
14	Profibrotic Infrapatellar Fat Pad Remodeling Without M1 Macrophage Polarization Precedes Knee Osteoarthritis in Mice With Diet-Induced Obesity. <i>Arthritis and Rheumatology</i> , 2017, 69, 1221-1232.	2.9	67
15	Nitrone-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
16	An investigation of the anisotropic mechanical properties and anatomical structure of porcine atrioventricular heart valves. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 87, 155-171.	1.5	61
17	Translational research involving oxidative stress and diseases of aging. <i>Free Radical Biology and Medicine</i> , 2011, 51, 931-941.	1.3	60
18	Immunologically modified MnFe <sub>2</sub> O <sub>4</sub> nanoparticles to synergize photothermal therapy and immunotherapy for cancer treatment. <i>Chemical Engineering Journal</i> , 2020, 396, 125239.	6.6	59

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19	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
20	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
21	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
22	Early myocardial dysfunction in streptozotocin-induced diabetic mice: a study using <i>in vivo</i> magnetic resonance imaging (MRI). <i>Cardiovascular Diabetology</i> , 2007, 6, 6.	2.7	55
23	Elevation of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) polychlorinated biphenyls. <i>Biochemical Pharmacology</i> , 1986, 35, 277-282.	2.0	54
24	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
25	<i>In vivo</i> detection of c-Met expression in a rat C6 glioma model. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 174-186.	1.6	52
26	<i>In vivo</i> characterization of several rodent glioma models by <sup>1</sup> H MRS. <i>NMR in Biomedicine</i> , 2012, 25, 685-694.	1.6	52
27	Exosomes as Theranostics for Lung Cancer. <i>Advances in Cancer Research</i> , 2018, 139, 1-33.	1.9	52
28	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
29	<i>In vivo</i> 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
30	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
31	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
32	Synergistic interventional photothermal therapy and immunotherapy using an iron oxide nanoplatfor for the treatment of pancreatic cancer. <i>Acta Biomaterialia</i> , 2022, 138, 453-462.	4.1	44
33	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
34	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
35	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
36	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

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37	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
38	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
39	Assessing long-term neuroinflammatory responses to encephalopathy using MRI approaches in a rat endotoxemia model. <i>GeroScience</i> , 2018, 40, 49-60.	2.1	36
40	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
41	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
42	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
43	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
44	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
45	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
46	Increased bladder permeability in interstitial cystitis/painful bladder syndrome. <i>Translational Andrology and Urology</i> , 2015, 4, 563-571.	0.6	33
47	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
48	The Effect of PhenylTert-Butyl Nitron (Pbn) on Ccl4-Induced Rat Liver Injury Detected by Proton Magnetic Resonance Imaging (Mri)in vivoand Electron Microscopy (Em). <i>Free Radical Research Communications</i> , 1990, 9, 325-335.	1.8	31
49	Hydroxyl radical generation following ischaemia-reperfusion in cell-free perfused rat kidney. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1995, 1243, 169-174.	1.1	31
50	Basal and hypercapnia-altered cerebrovascular perfusion predict mild cognitive impairment in aging rodents. <i>Neuroscience</i> , 2009, 164, 918-928.	1.1	30
51	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
52	Factors Influencing the Formation of the Carbon Dioxide Radical Anion (CO <sub>2</sub> <sup>•-</sup> ) Spin Adduct of Pbn in the Rat Liver Metabolism of Halocarbons. <i>Free Radical Research Communications</i> , 1988, 4, 359-369.	1.8	29
53	Detection of Hydroxyl and Carbon-Centred Radicals by EPR Spectroscopy after Ischaemia and Reperfusion of the Rat Kidney. <i>Free Radical Research</i> , 1996, 25, 31-42.	1.5	29
54	Assessment of in Vivo Oxidative Lipid Metabolism Following Acute Microcystin-LR-induced Hepatotoxicity in Rats. <i>Free Radical Research</i> , 2002, 36, 63-71.	1.5	29

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55	Experimental validation of 5 in-silico predicted glioma biomarkers. <i>Neuro-Oncology</i> , 2013, 15, 1625-1634.	0.6	29
56	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
57	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
58	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
59	Lipopolysaccharide exposure in a rat sepsis model results in hippocampal amyloid- $\beta^2$ plaque and phosphorylated tau deposition and corresponding behavioral deficits. <i>GeroScience</i> , 2019, 41, 467-481.	2.1	28
60	Nonadditive interactive effects of polychlorinated biphenyl congeners in rats: role of the 2,3,7,8-tetraehlorodibenzo-p-dioxin receptor. <i>Canadian Journal of Physiology and Pharmacology</i> , 1987, 65, 1908-1912.	0.7	27
61	Homozygous Expression of Mutant ELOVL4 Leads to Seizures and Death in a Novel Animal Model of Very Long-Chain Fatty Acid Deficiency. <i>Molecular Neurobiology</i> , 2018, 55, 1795-1813.	1.9	27
62	Lipopolysaccharide endotoxemia induces amyloid- $\beta^2$ and p-tau formation in the rat brain. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 8, 86-99.	1.0	27
63	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
64	ELTD1, an effective anti-angiogenic target for gliomas: preclinical assessment in mouse GL261 and human G55 xenograft glioma models. <i>Neuro-Oncology</i> , 2017, 19, now147.	0.6	26
65	Lymphatic vessel density and function in experimental bladder cancer. <i>BMC Cancer</i> , 2007, 7, 219.	1.1	25
66	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
67	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
68	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
69	Molecular changes associated with spinal cord aging. <i>GeroScience</i> , 2020, 42, 765-784.	2.1	25
70	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
71	An investigation of layer-specific tissue biomechanics of porcine atrioventricular valve anterior leaflets. <i>Acta Biomaterialia</i> , 2019, 96, 368-384.	4.1	24
72	Motif mimetic of epsin perturbs tumor growth and metastasis. <i>Journal of Clinical Investigation</i> , 2015, 125, 4349-4364.	3.9	24

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73	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
74	In vivo detection of aflatoxin-induced lipid free radicals in rat bile. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002, 1573, 55-62.	1.1	23
75	Anti-cancer activity of nitrones in the Apc <sup>Min/+</sup> model of colorectal cancer. <i>Free Radical Research</i> , 2010, 44, 108-117.	1.5	22
76	Magnetoacoustics 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
77	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
78	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
79	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
80	Effects of PBN and OKN007 in rodent glioma models assessed by 1H MR spectroscopy. <i>Free Radical Biology and Medicine</i> , 2011, 51, 490-502.	1.3	21
81	Up-regulation of the Sirtuin 1 (Sirt1) and Peroxisome Proliferator-activated Receptor $\beta$ Coactivator-1 $\alpha$ (PGC-1 $\alpha$ ) Genes in White Adipose Tissue of Irf1 Protein-deficient Mice. <i>Journal of Biological Chemistry</i> , 2014, 289, 29112-29122.	1.6	21
82	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
83	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
84	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
85	Nitric Oxide and Cancer Development. <i>Journal of Toxicologic Pathology</i> , 2007, 20, 77-92.	0.3	19
86	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
87	Magnetic resonance imaging guidance for laser photothermal therapy. <i>Journal of Biomedical Optics</i> , 2008, 13, 044033.	1.4	18
88	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
89	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
90	Rapamycin restores brain vasculature, metabolism, and blood-brain barrier in an inflammaging model. <i>GeroScience</i> , 2021, 43, 563-578.	2.1	17

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91	In vivo assessment of nodularin-induced hepatotoxicity in the rat using magnetic resonance techniques (MRI, MRS and EPR oximetry). <i>Chemico-Biological Interactions</i> , 2002, 139, 231-250.	1.7	16
92	Diffusion tensor imaging and fiber tractography of C6 rat glioma. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 566-573.	1.9	16
93	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
94	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
95	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
96	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
97	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
98	Magnetic Resonance Imaging of Pulmonary Damage in the Term and Premature Rat Neonate Exposed to Hyperoxia. <i>Pediatric Research</i> , 2001, 50, 502-507.	1.1	15
99	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
100	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
101	Molecular Magnetic Resonance Imaging Approaches Used to Aid in the Understanding of the Tissue Regeneration Marker <i>c-Met</i> In Vivo: Implications for Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2010, 16, 365-371.	1.6	15
102	<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
103	Biaxial mechanical data of porcine atrioventricular valve leaflets. <i>Data in Brief</i> , 2018, 21, 358-363.	0.5	15
104	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
105	In vivo and in vitro <sup>31</sup> P-NMR spectroscopy of rat liver treated with halocarbons. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1989, 993, 92-99.	1.1	13
106	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
107	MRI study of the inhibitory effect of new spin traps on in vivo CCl <sub>4</sub> -induced hepatotoxicity in rats. <i>Free Radical Biology and Medicine</i> , 1993, 14, 677-681.	1.3	13
108	In vivo magnetic resonance imaging study of Kupffer cell involvement in CCl <sub>4</sub> -induced hepatotoxicity in rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 1994, 72, 441-446.	0.7	13



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109	In vivo assessment of microcystin-LR-induced hepatotoxicity in the rat using proton nuclear magnetic resonance (1H-NMR) imaging. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1999, 1454, 227-235.	1.8	13
110	Non-invasive in vivo magnetic resonance imaging assessment of acute aflatoxin B1 hepatotoxicity in rats. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000, 1475, 314-320.	1.1	13
111	<i>In Vivo</i> and <i>In Situ</i> Detection of Macromolecular Free Radicals Using Immuno-Spin Trapping and Molecular Magnetic Resonance Imaging. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1404-1415.	2.5	13
112	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
113	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
114	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
115	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
116	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
117	Targeting ELTD1, an angiogenesis marker for glioblastoma (GBM), also affects VEGFR2: molecular-targeted MRI assessment. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 9, 93-109.	1.0	12
118	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
119	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
120	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
121	Assessment of an scFv Antibody Fragment Against ELTD1 in a G55 Glioblastoma Xenograft Model. <i>Translational Oncology</i> , 2020, 13, 100737.	1.7	11
122	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
123	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
124	Preclinical Animal Studies of Intravesical Recombinant Human Proteoglycan 4 as a Novel Potential Therapy for Diseases Resulting From Increased Bladder Permeability. <i>Urology</i> , 2018, 116, 230.e1-230.e7.	0.5	10
125	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
126	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



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127	Diagnosis of Intestinal Ischemia in the Rat Using Magnetic Resonance Imaging. <i>Journal of Investigative Surgery</i> , 1993, 6, 177-183.	0.6	9
128	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
129	Aminoxyl Radicals as MRI Contrast Agents. , 1992, , 573-583.		9
130	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
131	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
132	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
133	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
134	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
135	Nanoformulations for therapy of pancreatic and liver cancers. <i>Nanomedicine</i> , 2015, 10, 1515-1534.	1.7	7
136	Hemodynamic effects of long-term morphological changes in the human carotid sinus. <i>Journal of Biomechanics</i> , 2015, 48, 956-962.	0.9	7
137	Therapeutic efficacy of a synthetic epsin mimetic peptide in glioma tumor model: uncovering multiple mechanisms beyond the VEGF-associated tumor angiogenesis. <i>Journal of Neuro-Oncology</i> , 2018, 138, 17-27.	1.4	7
138	Reduced urothelial regeneration in rat bladders augmented with permeable porcine small intestinal submucosa assessed by magnetic resonance imaging. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 1778-1787.	1.6	7
139	OKlahoma Nitron-007: novel treatment for diffuse intrinsic pontine glioma. <i>Journal of Translational Medicine</i> , 2020, 18, 424.	1.8	7
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