

# Weiguo Li

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,136  
citations

430874

18  
h-index

395702

33  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2096  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase-independent thermometry by Z-spectrum MR imaging. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1731-1741.	3.0	1
2	Non-Gaussian Diffusion MRI for Evaluating Hepatic Fibrosis. <i>Academic Radiology</i> , 2022, 29, 964-966.	2.5	0
3	On-demand degradable embolic microspheres for immediate restoration of blood flow during image-guided embolization procedures. <i>Biomaterials</i> , 2021, 265, 120408.	11.4	21
4	Correlation and Agreement of Yttrium-90 Positron Emission Tomography/Computed Tomography with Ex-Vivo Radioembolization Microsphere Deposition in the Rabbit VX2 Liver Tumor Model. <i>Journal of Vascular and Interventional Radiology</i> , 2021, 32, 23-32.e1.	0.5	2
5	Duramycin radiosensitization of MCA-RH 7777 hepatoma cells through the elevation of reactive oxygen species. <i>Journal of Cancer Research and Therapeutics</i> , 2021, 17, 543.	0.9	2
6	Diffusion in Sephadex Gel Structures: Time Dependency Revealed by Multi-Sequence Acquisition over a Broad Diffusion Time Range. <i>Mathematics</i> , 2021, 9, 1688.	2.2	3
7	Yttrium-90 Radioembolization to the Prostate Gland: Proof of Concept in a Canine Model and Clinical Translation. <i>Journal of Vascular and Interventional Radiology</i> , 2021, 32, 1103-1112.e12.	0.5	11
8	Evaluation of B0-correction of relative CBF maps using tagging distance dependent Z-spectrum (TADDZ). <i>Magnetic Resonance Imaging</i> , 2020, 65, 83-89.	1.8	2
9	Magnetic field boosted ferroptosis-like cell death and responsive MRI using hybrid vesicles for cancer immunotherapy. <i>Nature Communications</i> , 2020, 11, 3637.	12.8	158
10	Yttrium-90 Portal Vein Radioembolization in Sprague-Dawley Rats: Dose-Dependent Imaging and Pathological Changes in Normal Liver. <i>CardioVascular and Interventional Radiology</i> , 2020, 43, 1925-1935.	2.0	2
11	Editorial for "Non-Gaussian Diffusion Models and T1rho Quantification in the Assessment of Hepatic Sinusoidal Obstruction Syndrome in Rats". <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 1122-1123.	3.4	0
12	Intravoxel Incoherent Motion Diffusion-weighted MRI of Infiltrated Marrow for Predicting Overall Survival in Newly Diagnosed Acute Myeloid Leukemia. <i>Radiology</i> , 2020, 295, 155-161.	7.3	16
13	Multicomponent diffusion analysis reveals microstructural alterations in spinal cord of a mouse model of amyotrophic lateral sclerosis ex vivo. <i>PLoS ONE</i> , 2020, 15, e0231598.	2.5	5
14	Yttrium-90 Radioembolization and Tumor Hypoxia: Gas-challenge BOLD Imaging in the VX2 Rabbit Model of Hepatocellular Carcinoma. <i>Academic Radiology</i> , 2020, 28, 849-858.	2.5	6
15	Iron-Oxide Nanocluster Labeling of Clostridium novyi-NT Spores for MR Imaging-Monitored Locoregional Delivery to Liver Tumors in Rat and Rabbit Models. <i>Journal of Vascular and Interventional Radiology</i> , 2019, 30, 1106-1115.e1.	0.5	10
16	Pickering-Emulsion for Liver Trans-Arterial Chemo-Embolization with Oxaliplatin. <i>CardioVascular and Interventional Radiology</i> , 2018, 41, 781-788.	2.0	28
17	Imaging short-lived reactive oxygen species (ROS) with endogenous contrast MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 222-229.	3.4	23
18	Diffusion tensor imaging identifies presymptomatic axonal degeneration in the spinal cord of ALS mice. <i>Brain Research</i> , 2018, 1679, 45-52.	2.2	17

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19	Mapping brown adipose tissue based on fat water fraction provided by $Z^2$ spectral imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 1527-1533.	3.4	16
20	Diffusion Tensor Imaging of Tendons and Ligaments at Ultra-High Magnetic Fields. <i>Critical Reviews in Biomedical Engineering</i> , 2018, 46, 311-339.	0.9	5
21	<i>In vivo</i> diffusion MRI detects early spinal cord axonal pathology in a mouse model of amyotrophic lateral sclerosis. <i>NMR in Biomedicine</i> , 2018, 31, e3954.	2.8	16
22	Biofunctionalized Hybrid Magnetic Gold Nanoparticles as Catalysts for Photothermal Ablation of Colorectal Liver Metastases. <i>Radiology</i> , 2017, 285, 809-819.	7.3	22
23	Influence of Free Radicals on the Intrinsic MRI Relaxation Properties. <i>Advances in Experimental Medicine and Biology</i> , 2017, 977, 73-79.	1.6	3
24	Chemical Shift magnetization transfer magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 656-663.	3.0	4
25	Tumoral angiogenesis in both adrenal adenomas and nonadenomas: a promising computed tomography biomarker for diagnosis. <i>OncoTargets and Therapy</i> , 2016, 9, 1823.	2.0	4
26	Anomalous $T_2$ relaxation in normal and degraded cartilage. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 953-962.	3.0	29
27	Multimodal Imaging of Nanocomposite Microspheres for Transcatheter Intra-Arterial Drug Delivery to Liver Tumors. <i>Scientific Reports</i> , 2016, 6, 29653.	3.3	37
28	SPIO-labeled Yttrium Microspheres for MR Imaging Quantification of Transcatheter Intrahepatic Delivery in a Rodent Model. <i>Radiology</i> , 2016, 278, 405-412.	7.3	12
29	CEST signal at 2 ppm (CEST@2ppm) from $Z^2$ spectral fitting correlates with creatine distribution in brain tumor. <i>NMR in Biomedicine</i> , 2015, 28, 1-8.	2.8	180
30	Decreased bilateral thalamic gray matter volume in first-episode schizophrenia with prominent hallucinatory symptoms: A volumetric MRI study. <i>Scientific Reports</i> , 2015, 5, 14505.	3.3	42
31	Respiratory self-gating for free-breathing magnetization transfer MRI of the abdomen. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2249-2254.	3.0	4
32	Poly(lactide-co-glycolide) microspheres for MRI-monitored delivery of sorafenib in a rabbit VX2 model. <i>Biomaterials</i> , 2015, 61, 299-306.	11.4	44
33	Clinically applicable magnetic-labeling of natural killer cells for MRI of transcatheter delivery to liver tumors: preclinical validation for clinical translation. <i>Nanomedicine</i> , 2015, 10, 1761-1774.	3.3	17
34	Antigen-loaded Dendritic Cell Migration: MR Imaging in a Pancreatic Carcinoma Model. <i>Radiology</i> , 2015, 274, 192-200.	7.3	26
35	Quantitative functional MRI in a clinical orthotopic model of pancreatic cancer in immunocompetent Lewis rats. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 1475-86.	0.0	6
36	Rapid dramatic alterations to the tumor microstructure in pancreatic cancer following irreversible electroporation ablation. <i>Nanomedicine</i> , 2014, 9, 1181-1192.	3.3	46

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37	Poly(lactide-co-glycolide) microspheres for MRI-monitored transcatheter delivery of sorafenib to liver tumors. <i>Journal of Controlled Release</i> , 2014, 184, 10-17.	9.9	56
38	MR Imaging Enables Measurement of Therapeutic Nanoparticle Uptake in Rat N1-S1 Liver Tumors after Nanoablation. <i>Journal of Vascular and Interventional Radiology</i> , 2014, 25, 1288-1294.	0.5	3
39	Image-Guided Local Delivery Strategies Enhance Therapeutic Nanoparticle Uptake in Solid Tumors. <i>ACS Nano</i> , 2013, 7, 7724-7733.	14.6	50
40	High resolution MRI for non-invasive mouse lymph node mapping. <i>Journal of Immunological Methods</i> , 2013, 400-401, 23-29.	1.4	20
41	Quantitative magnetization transfer MRI of desmoplasia in pancreatic ductal adenocarcinoma xenografts. <i>NMR in Biomedicine</i> , 2013, 26, 1688-1695.	2.8	14
42	Photothermal ablation of pancreatic cancer cells with hybrid iron-oxide core gold-shell nanoparticles. <i>International Journal of Nanomedicine</i> , 2013, 8, 3437.	6.7	58
43	Chemical Shift MR Imaging Methods for the Quantification of Transcatheter Lipiodol Delivery to the Liver: Preclinical Feasibility Studies in a Rodent Model. <i>Radiology</i> , 2012, 263, 714-722.	7.3	8
44	Magnetization transfer MRI in pancreatic cancer xenograft models. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1291-1297.	3.0	32
45	Abstract 5695: PLGA microspheres for MRI-guided localized transcatheter delivery of sorafenib: development and preclinical feasibility studies. , 2012, , .		0
46	Abstract 2534: Anti-LOXL2 conjugated gold nanoparticles: therapeutic probes for pancreatic cancer. , 2012, , .		0
47	Abstract 1326: Magnetization transfer MRI in pancreatic cancer xenograft models. , 2012, , .		0
48	Abstract 4289: MRI-guided intra-arterial delivery of SPIO-labeled natural killer cells to hepatocellular carcinoma. , 2012, , .		1
49	Anomalous NMR relaxation in cartilage matrix components and native cartilage: Fractional-order models. <i>Journal of Magnetic Resonance</i> , 2011, 210, 184-191.	2.1	43
50	Magnetization Transfer Imaging Provides a Quantitative Measure of Chondrogenic Differentiation and Tissue Development. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 1407-1415.	2.1	29