

Xin Li

List of Publications by Year in descending order

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34
papers

2,618
citations

257450

24
h-index

395702

33
g-index

34
all docs

34
docs citations

34
times ranked

2997
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic field and tissue dependencies of human brain longitudinal $^1\text{H}_2\text{O}$ relaxation in vivo. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 308-318.	3.0	546
2	Determination of the MRI contrast agent concentration time course in vivo following bolus injection: Effect of equilibrium transcytolemmal water exchange. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 563-574.	3.0	199
3	Equilibrium transcytolemmal water-exchange kinetics in skeletal muscle in vivo. <i>Magnetic Resonance in Medicine</i> , 1999, 42, 467-478.	3.0	192
4	Variation of the relaxographic "shutter-speed" for transcytolemmal water exchange affects the CR bolus-tracking curve shape. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 1151-1169.	3.0	171
5	Pseudoprogression of Glioblastoma after Chemo- and Radiation Therapy: Diagnosis by Using Dynamic Susceptibility-weighted Contrast-enhanced Perfusion MR Imaging with Ferumoxytol versus Gadoteridol and Correlation with Survival. <i>Radiology</i> , 2013, 266, 842-852.	7.3	145
6	A unified magnetic resonance imaging pharmacokinetic theory: Intravascular and extracellular contrast reagents. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 1351-1359.	3.0	141
7	Variations of Dynamic Contrast-Enhanced Magnetic Resonance Imaging in Evaluation of Breast Cancer Therapy Response: A Multicenter Data Analysis Challenge. <i>Translational Oncology</i> , 2014, 7, 153-166.	3.7	120
8	Early Prediction and Evaluation of Breast Cancer Response to Neoadjuvant Chemotherapy Using Quantitative DCE-MRI. <i>Translational Oncology</i> , 2016, 9, 8-17.	3.7	94
9	Discrimination of Benign and Malignant Breast Lesions by Using Shutter-Speed Dynamic Contrast-enhanced MR Imaging. <i>Radiology</i> , 2011, 261, 394-403.	7.3	87
10	Evidence for shutter-speed variation in CR bolus-tracking studies of human pathology. <i>NMR in Biomedicine</i> , 2005, 18, 173-185.	2.8	85
11	The magnetic resonance shutter speed discriminates vascular properties of malignant and benign breast tumors in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17943-17948.	7.1	85
12	Intratumor mapping of intracellular water lifetime: metabolic images of breast cancer?. <i>NMR in Biomedicine</i> , 2014, 27, 760-773.	2.8	75
13	The Impact of Arterial Input Function Determination Variations on Prostate Dynamic Contrast-Enhanced Magnetic Resonance Imaging Pharmacokinetic Modeling: A Multicenter Data Analysis Challenge. <i>Tomography</i> , 2016, 2, 56-66.	1.8	70
14	Dynamic NMR effects in breast cancer dynamic-contrast-enhanced MRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17937-17942.	7.1	69
15	Shutter-speed analysis of contrast reagent bolus-tracking data: Preliminary observations in benign and malignant breast disease. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 724-729.	3.0	67
16	Mapping human brain capillary water lifetime: high-resolution metabolic neuroimaging. <i>NMR in Biomedicine</i> , 2015, 28, 607-623.	2.8	58
17	Dynamic-contrast-enhanced-MRI with extravasating contrast reagent: Rat cerebral glioma blood volume determination. <i>Journal of Magnetic Resonance</i> , 2010, 206, 190-199.	2.1	47
18	Improved Perfusion MR Imaging Assessment of Intracerebral Tumor Blood Volume and Antiangiogenic Therapy Efficacy in a Rat Model with Ferumoxytol. <i>Radiology</i> , 2011, 261, 796-804.	7.3	46

#	ARTICLE	IF	CITATIONS
19	Signal-to-noise ratio, contrast-to-noise ratio and pharmacokinetic modeling considerations in dynamic contrast-enhanced magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2012, 30, 1313-1322.	1.8	44
20	The Impact of Arterial Input Function Determination Variations on Prostate Dynamic Contrast-Enhanced Magnetic Resonance Imaging Pharmacokinetic Modeling: A Multicenter Data Analysis Challenge, Part II. <i>Tomography</i> , 2019, 5, 99-109.	1.8	44
21	First-pass dynamic contrast-enhanced MRI with extravasating contrast reagent: evidence for human myocardial capillary recruitment in adenosine-induced hyperemia. <i>NMR in Biomedicine</i> , 2009, 22, 148-157.	2.8	39
22	Feasibility of shutter-speed DCE-MRI for improved prostate cancer detection. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 171-178.	3.0	35
23	Relative sensitivities of DCE-MRI pharmacokinetic parameters to arterial input function (AIF) scaling. <i>Journal of Magnetic Resonance</i> , 2016, 269, 104-112.	2.1	33
24	Cell membrane water exchange effects in prostate DCE-MRI. <i>Journal of Magnetic Resonance</i> , 2012, 218, 77-85.	2.1	30
25	DCE-MRI of hepatocellular carcinoma: perfusion quantification with Tofts model versus shutter-speed model—initial experience. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 49-58.	2.0	24
26	NMR shutter-speed elucidates apparent population inversion of ^1H signals due to active transmembrane water cycling. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 411-424.	3.0	22
27	The effects of equilibrium transcytolemmal water exchange on the determination of contrast reagent concentration in vivo. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 422-424.	3.0	11
28	Distinguishing Extravascular from Intravascular Ferumoxytol Pools within the Brain: Proof of Concept in Patients with Treated Glioblastoma. <i>American Journal of Neuroradiology</i> , 2020, 41, 1193-1200.	2.4	8
29	Endorectal MR imaging of prostate cancer: Evaluation of tumor capsular contact length as a sign of extracapsular extension. <i>Clinical Imaging</i> , 2018, 50, 280-285.	1.5	7
30	Observation of Reduced Homeostatic Metabolic Activity and/or Coupling in White Matter Aging. <i>Journal of Neuroimaging</i> , 2020, 30, 658-665.	2.0	7
31	DCE-MRI of Brain Fluid Barriers: <i>In Vivo</i> Water Cycling at the Human Choroid Plexus. <i>Tissue Barriers</i> , 2022, 10, 1963143.	3.2	6
32	Metabolic activity diffusion imaging (MADI): I. Metabolic, cytometric modeling and simulations. <i>NMR in Biomedicine</i> , 2023, 36, .	2.8	6
33	Metabolic activity diffusion imaging (MADI): II. Noninvasive, high-resolution human brain mapping of sodium pump flux and cell metrics. <i>NMR in Biomedicine</i> , 2023, 36, .	2.8	5
34	Pseudo-extravasation rate constant of dynamic susceptibility contrast-MRI determined from pharmacokinetic first principles. <i>NMR in Biomedicine</i> , 2017, 30, e3797.	2.8	0