# Xin Li

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6837502/publications.pdf

Version: 2024-02-01

| 34 | 2,618 | 257450 | 395702 |
|---|---|---|---|
| papers | citations | 24 h-index | 33 g-index |

| 34 | 34 | 34 | 2997 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Metabolic activity diffusion imaging (MADI): I. Metabolic, cytometric modeling and simulations. NMR in Biomedicine, 2023, 36, . | 2.8 | 6 |
| 2 | Metabolic activity diffusion imaging (MADI): II. Noninvasive, highâ€resolution human brain mapping of sodium pump flux and cell metrics. NMR in Biomedicine, 2023, 36, . | 2.8 | 5 |
| 3 | DCE-MRI of Brain Fluid Barriers: In Vivo Water Cycling at the Human Choroid Plexus. Tissue Barriers, 2022, 10, 1963143. | 3.2 | 6 |
| 4 | Distinguishing Extravascular from Intravascular Ferumoxytol Pools within the Brain: Proof of Concept in Patients with Treated Glioblastoma. American Journal of Neuroradiology, 2020, 41, 1193-1200. | 2.4 | 8 |
| 5 | Observation of Reduced Homeostatic Metabolic Activity and/or Coupling in White Matter Aging. Journal of Neuroimaging, 2020, 30, 658-665. | 2.0 | 7 |
| 6 | NMR shutterâ€speed elucidates apparent population inversion of <sup>1</sup>H<sub>2</sub>O signals due to active transmembrane water cycling. Magnetic Resonance in Medicine, 2019, 82, 411-424. | 3.0 | 22 |
| 7 | 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. Tomography, 2019, 5, 99-109. | 1.8 | 44 |
| 8 | Endorectal MR imaging of prostate cancer: Evaluation of tumor capsular contact length as a sign of extracapsular extension. Clinical Imaging, 2018, 50, 280-285. | 1.5 | 7 |
| 9 | Pseudoâ€extravasation rate constant of dynamic susceptibility contrastâ€MRI determined from pharmacokinetic first principles. NMR in Biomedicine, 2017, 30, e3797. | 2.8 | 0 |
| 10 | Early Prediction and Evaluation of Breast Cancer Response to Neoadjuvant Chemotherapy Using Quantitative DCE-MRI. Translational Oncology, 2016, 9, 8-17. | 3.7 | 94 |
| 11 | Relative sensitivities of DCE-MRI pharmacokinetic parameters to arterial input function (AIF) scaling. Journal of Magnetic Resonance, 2016, 269, 104-112. | 2.1 | 33 |
| 12 | DCE-MRI of hepatocellular carcinoma: perfusion quantification with Tofts model versus shutter-speed modelâ€"initial experience. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 49-58. | 2.0 | 24 |
| 13 | The Impact of Arterial Input Function Determination Variations on Prostate Dynamic Contrast-Enhanced Magnetic Resonance Imaging Pharmacokinetic Modeling: A Multicenter Data Analysis Challenge. Tomography, 2016, 2, 56-66. | 1.8 | 70 |
| 14 | Mapping human brain capillary water lifetime: highâ€resolution metabolic neuroimaging. NMR in Biomedicine, 2015, 28, 607-623. | 2.8 | 58 |
| 15 | Variations of Dynamic Contrast-Enhanced Magnetic Resonance Imaging in Evaluation of Breast Cancer Therapy Response: A Multicenter Data Analysis Challenge. Translational Oncology, 2014, 7, 153-166. | 3.7 | 120 |
| 16 | Intratumor mapping of intracellular water lifetime: metabolic images of breast cancer?. NMR in Biomedicine, 2014, 27, 760-773. | 2.8 | 75 |
| 17 | Feasibility of shutterâ€speed DCEâ€MRI for improved prostate cancer detection. Magnetic Resonance in Medicine, 2013, 69, 171-178. | 3.0 | 35 |
| 18 | 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. Radiology, 2013, 266, 842-852. | 7.3 | 145 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Signal-to-noise ratio, contrast-to-noise ratio and pharmacokinetic modeling considerations in dynamic contrast-enhanced magnetic resonance imaging. Magnetic Resonance Imaging, 2012, 30, 1313-1322. | 1.8 | 44 |
| 20 | Cell membrane water exchange effects in prostate DCE-MRI. Journal of Magnetic Resonance, 2012, 218, 77-85. | 2.1 | 30 |
| 21 | Discrimination of Benign and Malignant Breast Lesions by Using Shutter-Speed Dynamic Contrast-enhanced MR Imaging. Radiology, 2011, 261, 394-403. | 7.3 | 87 |
| 22 | Improved Perfusion MR Imaging Assessment of Intracerebral Tumor Blood Volume and Antiangiogenic Therapy Efficacy in a Rat Model with Ferumoxytol. Radiology, 2011, 261, 796-804. | 7.3 | 46 |
| 23 | Dynamic-contrast-enhanced-MRI with extravasating contrast reagent: Rat cerebral glioma blood volume determination. Journal of Magnetic Resonance, 2010, 206, 190-199. | 2.1 | 47 |
| 24 | Firstâ€pass dynamic contrastâ€enhanced MRI with extravasating contrast reagent: evidence for human myocardial capillary recruitment in adenosineâ€induced hyperemia. NMR in Biomedicine, 2009, 22, 148-157. | 2.8 | 39 |
| 25 | Dynamic NMR effects in breast cancer dynamic-contrast-enhanced MRI. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17937-17942. | 7.1 | 69 |
| 26 | The magnetic resonance shutter speed discriminates vascular properties of malignant and benign breast tumors in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17943-17948. | 7.1 | 85 |
| 27 | Magnetic field and tissue dependencies of human brain longitudinal1H2O relaxation in vivo. Magnetic Resonance in Medicine, 2007, 57, 308-318. | 3.0 | 546 |
| 28 | Evidence for shutter-speed variation in CR bolus-tracking studies of human pathology. NMR in Biomedicine, 2005, 18, 173-185. | 2.8 | 85 |
| 29 | Shutter-speed analysis of contrast reagent bolus-tracking data: Preliminary observations in benign and malignant breast disease. Magnetic Resonance in Medicine, 2005, 53, 724-729. | 3.0 | 67 |
| 30 | A unified magnetic resonance imaging pharmacokinetic theory: Intravascular and extracellular contrast reagents. Magnetic Resonance in Medicine, 2005, 54, 1351-1359. | 3.0 | 141 |
| 31 | Variation of the relaxographic ?shutter-speed? for transcytolemmal water exchange affects the CR bolus-tracking curve shape. Magnetic Resonance in Medicine, 2003, 50, 1151-1169. | 3.0 | 171 |
| 32 | The effects of equilibrium transcytolemmal water exchange on the determination of contrast reagent concentration in vivo. Magnetic Resonance in Medicine, 2002, 47, 422-424. | 3.0 | 11 |
| 33 | Determination of the MRI contrast agent concentration time course in vivo following bolus injection: Effect of equilibrium transcytolemmal water exchange. Magnetic Resonance in Medicine, 2000, 44, 563-574. | 3.0 | 199 |
| 34 | Equilibrium transcytolemmal water-exchange kinetics in skeletal muscle in vivo. Magnetic Resonance in Medicine, 1999, 42, 467-478. | 3.0 | 192 |