

Wybe J M Van Der Kemp

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

334
citations

840776

11
h-index

839539

18
g-index

23
all docs

23
docs citations

23
times ranked

487
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative ³¹ P magnetic resonance spectroscopy of the human breast at 7 T. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 339-348.	3.0	45
2	Analysis of chemical exchange saturation transfer contributions from brain metabolites to the Z-spectra at various field strengths and pH. <i>Scientific Reports</i> , 2019, 9, 1089.	3.3	40
3	Multiparametric MRI With Dynamic Contrast Enhancement, Diffusion-Weighted Imaging, and ³¹ -Phosphorus Spectroscopy at 7 T for Characterization of Breast Cancer. <i>Investigative Radiology</i> , 2015, 50, 766-771.	6.2	31
4	Radiofrequency configuration to facilitate bilateral breast ³¹ P MR spectroscopic imaging and high-resolution MRI at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1803-1810.	3.0	26
5	Contradiction between amide ¹⁵ N CEST signal and pH in breast cancer explained with metabolic MRI. <i>NMR in Biomedicine</i> , 2019, 32, e4110.	2.8	20
6	Early detection of changes in phospholipid metabolism during neoadjuvant chemotherapy in breast cancer patients using phosphorus magnetic resonance spectroscopy at 7T. <i>NMR in Biomedicine</i> , 2019, 32, e4086.	2.8	20
7	Detection of alterations in membrane metabolism during neoadjuvant chemotherapy in patients with breast cancer using phosphorus magnetic resonance spectroscopy at 7 Tesla. <i>SpringerPlus</i> , 2014, 3, 634.	1.2	17
8	¹ H/ ³¹ P Polarization Transfer at 9.4 Tesla for Improved Specificity of Detecting Phosphomonoesters and Phosphodiester in Breast Tumor Models. <i>PLoS ONE</i> , 2014, 9, e102256.	2.5	14
9	Proton and phosphorus magnetic resonance spectroscopy of the healthy human breast at 7T. <i>NMR in Biomedicine</i> , 2017, 30, e3684.	2.8	14
10	³¹ P T ₂ s of phosphomonoesters, phosphodiester, and inorganic phosphate in the human brain at 7T. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 29-35.	3.0	14
11	Glycerophosphocholine and Glycerophosphoethanolamine Are Not the Main Sources of the In Vivo ³¹ P MRS Phosphodiester Signals from Healthy Fibroglandular Breast Tissue at 7 T. <i>Frontiers in Oncology</i> , 2016, 6, 29.	2.8	13
12	MRI and ³¹ P magnetic resonance spectroscopy hardware for axillary lymph node investigation at 7T. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2038-2046.	3.0	10
13	Proton observed phosphorus editing (POPE) for <i>in vivo</i> detection of phospholipid metabolites. <i>NMR in Biomedicine</i> , 2016, 29, 1222-1230.	2.8	10
14	SNR optimized ³¹ P functional MRS to detect mitochondrial and extracellular pH change during visual stimulation. <i>NMR in Biomedicine</i> , 2019, 32, e4137.	2.8	10
15	Feasibility of ³¹ P spectroscopic imaging at 7 T in lung carcinoma patients. <i>NMR in Biomedicine</i> , 2021, 34, e4204.	2.8	10
16	Dynamic contrast-enhanced breast MRI at 7T and 3T: an intra-individual comparison study. <i>SpringerPlus</i> , 2016, 5, 13.	1.2	9
17	Comparison of 2-Hydroxyglutarate Detection With sLASER and MEGA-sLASER at 7T. <i>Frontiers in Neurology</i> , 2021, 12, 718423.	2.4	9
18	Shortening of apparent transverse relaxation time of inorganic phosphate as a breast cancer biomarker. <i>NMR in Biomedicine</i> , 2019, 32, e4011.	2.8	8

#	ARTICLE	IF	CITATIONS
19	Inherently decoupled ¹ H antennas and ³¹ P loops for metabolic imaging of liver metastasis at 7 T. NMR in Biomedicine, 2020, 33, e4221.	2.8	7
20	2D AMESING multi-echo ³¹ P-MRSI of the liver at 7T allows transverse relaxation assessment and T2-weighted averaging for improved SNR. Magnetic Resonance Imaging, 2016, 34, 219-226.	1.8	4
21	Saturation-transfer effects and longitudinal relaxation times of ³¹ P metabolites in fibroglandular breast tissue at 7T. Magnetic Resonance in Medicine, 2016, 76, 402-407.	3.0	3