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List of Publications by Year in descending order

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99
papers

2,721
citations

159585

30
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214800

47
g-index

100
all docs

100
docs citations

100
times ranked

3559
citing authors

#	ARTICLE	IF	CITATIONS
1	Value of T_2 Mapping MRI for Prostate Cancer Detection and Classification. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 413-422.	3.4	8
2	Arterial input function for quantitative dynamic contrast-enhanced MRI to diagnose prostate cancer. <i>Magnetic Resonance in Medicine</i> , 2022, 28, 108-114.		2
3	The 5-HT1A receptor antagonist WAY-100635 decreases motor/exploratory behaviors and nigrostriatal and mesolimbocortical dopamine D2/3 receptor binding in adult rats. <i>Pharmacology Biochemistry and Behavior</i> , 2022, 215, 173363.	2.9	1
4	Chemical Exchange Saturation Transfer for Lactate-Weighted Imaging at 3 T MRI: Comprehensive In Silico, In Vitro, In Situ, and In Vivo Evaluations. <i>Tomography</i> , 2022, 8, 1277-1292.	1.8	4
5	Two point Dixon-based chemical exchange saturation transfer (CEST) MRI in renal transplant patients on 3AT. <i>Magnetic Resonance Imaging</i> , 2022, 90, 61-69.	1.8	2
6	Lorentzian-Corrected Apparent Exchange-Dependent Relaxation (LAREX) Plot Analysis: An Adaptation for qCEST in a Multi-Pool System: Comprehensive In Silico, In Situ, and In Vivo Studies. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6920.	4.1	5
7	Analysis of different image-registration algorithms for Fourier decomposition MRI in functional lung imaging. <i>Acta Radiologica</i> , 2021, 62, 875-881.	1.1	5
8	Sodium MRI of human articular cartilage of the wrist: a feasibility study on a clinical 3T MRI scanner. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 241-248.	2.0	11
9	Detection of early cartilage degeneration in the tibiotalar joint using 3 T gagCEST imaging: a feasibility study. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 249-260.	2.0	15
10	Feasibility of quantitative susceptibility mapping (QSM) of the human kidney. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 389-397.	2.0	12
11	In silico GABA+ MEGA-PRESS: Effects of signal-to-noise ratio and linewidth on modeling the 3 ppm GABA+ resonance. <i>NMR in Biomedicine</i> , 2021, 34, e4410.	2.8	3
12	Spectral diffusion analysis of kidney intravoxel incoherent motion MRI in healthy volunteers and patients with renal pathologies. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 3085-3095.	3.0	14
13	Deep Learning-Based Post-Processing of Real-Time MRI to Assess and Quantify Dynamic Wrist Movement in Health and Disease. <i>Diagnostics</i> , 2021, 11, 1077.	2.6	10
14	Serotonergic Modulation of Nigrostriatal and Mesolimbic Dopamine and Motor/Exploratory Behaviors in the Rat. <i>Frontiers in Neuroscience</i> , 2021, 15, 682398.	2.8	1
15	Evaluation of Radiographic Contrast-Induced Nephropathy by Functional Diffusion Weighted Imaging. <i>Journal of Clinical Medicine</i> , 2021, 10, 4573.	2.4	4
16	Frequency drift in MR spectroscopy at 3T. <i>NeuroImage</i> , 2021, 241, 118430.	4.2	28
17	Quantification of Sodium Relaxation Times and Concentrations as Surrogates of Proteoglycan Content of Patellar CARTILAGE at 3T MRI. <i>Diagnostics</i> , 2021, 11, 2301.	2.6	7
18	Comparison of PGSE and STEAM DTI acquisitions with varying diffusion times for probing anisotropic structures in human kidneys. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1518-1525.	3.0	7

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19	Comparison of Multivendor Single-Voxel MR Spectroscopy Data Acquired in Healthy Brain at 26 Sites. <i>Radiology</i> , 2020, 295, 171-180.	7.3	31
20	GABAergic and glutamatergic effects on nigrostriatal and mesolimbic dopamine release in the rat. <i>Reviews in the Neurosciences</i> , 2020, 31, 569-588.	2.9	1
21	Biallelic mutation of human <i>SLC6A6</i> encoding the taurine transporter TAUT is linked to early retinal degeneration. <i>FASEB Journal</i> , 2019, 33, 11507-11527.	0.5	36
22	Analysis of different phase unwrapping methods to optimize quantitative susceptibility mapping in the abdomen. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 2077-2089.	3.0	11
23	MRI identifies biochemical alterations of intervertebral discs in patients with low back pain and radiculopathy. <i>European Radiology</i> , 2019, 29, 6443-6446.	4.5	16
24	How words get meaning: The neural processing of novel object names after sensorimotor training. <i>NeuroImage</i> , 2019, 197, 284-294.	4.2	5
25	Proton exchange in aqueous urea solutions measured by water-exchange (WEX) NMR spectroscopy and chemical exchange saturation transfer (CEST) imaging in vitro. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 935-947.	3.0	11
26	Chemical exchange saturation transfer imaging in hepatic encephalopathy. <i>NeuroImage: Clinical</i> , 2019, 22, 101743.	2.7	5
27	Big GABA II: Water-referenced edited MR spectroscopy at 25 research sites. <i>NeuroImage</i> , 2019, 191, 537-548.	4.2	76
28	Differential effects of D-cycloserine and amantadine on motor behavior and D2/3 receptor binding in the nigrostriatal and mesolimbic system of the adult rat. <i>Scientific Reports</i> , 2019, 9, 16128.	3.3	3
29	Amantadine enhances nigrostriatal and mesolimbic dopamine function in the rat brain in relation to motor and exploratory activity. <i>Pharmacology Biochemistry and Behavior</i> , 2019, 179, 156-170.	2.9	13
30	Assessment of time-resolved renal diffusion parameters over the entire cardiac cycle. <i>Magnetic Resonance Imaging</i> , 2019, 55, 1-6.	1.8	5
31	Functional MRI in transplanted kidneys. <i>Abdominal Radiology</i> , 2018, 43, 2615-2624.	2.1	8
32	Non-Gaussian diffusion evaluation of the human kidney by Padé exponent model. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 160-167.	3.4	5
33	Comparison of B0 versus B0 and B1 field inhomogeneity correction for glycosaminoglycan chemical exchange saturation transfer imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018, 31, 645-651.	2.0	8
34	GABAergic Control of Nigrostriatal and Mesolimbic Dopamine in the Rat Brain. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 38.	2.0	15
35	Ammonia-weighted imaging by chemical exchange saturation transfer MRI at 3T. <i>NMR in Biomedicine</i> , 2018, 31, e3947.	2.8	6
36	1D-difference-edited MRS measures of β -aminobutyric acid before and after acute caffeine administration. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2356-2365.	3.0	7

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37	Connecting occipital alpha band peak frequency, visual temporal resolution, and occipital GABA levels in healthy participants and hepatic encephalopathy patients. <i>NeuroImage: Clinical</i> , 2018, 20, 347-356.	2.7	20
38	Magnetresonanztomographie und -spektroskopie. , 2018, , 205-283.		0
39	Diffusion tensor imaging in abdominal organs. <i>NMR in Biomedicine</i> , 2017, 30, e3434.	2.8	16
40	Quantitative pulsed CEST-MRI at a clinical 3T MRI system. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2017, 30, 505-516.	2.0	9
41	Big GABA: Edited MR spectroscopy at 24 research sites. <i>NeuroImage</i> , 2017, 159, 32-45.	4.2	143
42	Comparison of glycosaminoglycan chemical exchange saturation transfer using Gaussian-shaped and off-resonant spin-lock radiofrequency pulses in intervertebral disks. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 280-284.	3.0	2
43	Beta Peak Frequencies at Rest Correlate with Endogenous GABA+/Cr Concentrations in Sensorimotor Cortex Areas. <i>PLoS ONE</i> , 2016, 11, e0156829.	2.5	52
44	Improvement of water saturation shift referencing by sequence and analysis optimization to enhance chemical exchange saturation transfer imaging. <i>Magnetic Resonance Imaging</i> , 2016, 34, 771-778.	1.8	8
45	Gender, BMI and T2 dependencies of glycosaminoglycan chemical exchange saturation transfer in intervertebral discs. <i>Magnetic Resonance Imaging</i> , 2016, 34, 271-275.	1.8	31
46	Use of quantitative brain water imaging as concentration reference for J-edited MR spectroscopy of GABA. <i>Magnetic Resonance Imaging</i> , 2016, 34, 1057-1063.	1.8	4
47	Glycosaminoglycan Chemical Exchange Saturation Transfer of Lumbar Intervertebral Discs in Healthy Volunteers. <i>Spine</i> , 2016, 41, 146-152.	2.0	32
48	Covert hepatic encephalopathy: elevated total glutathione and absence of brain water content changes. <i>Metabolic Brain Disease</i> , 2016, 31, 517-527.	2.9	11
49	Biochemical imaging of cervical intervertebral discs with glycosaminoglycan chemical exchange saturation transfer magnetic resonance imaging: feasibility and initial results. <i>Skeletal Radiology</i> , 2016, 45, 79-85.	2.0	15
50	Age-dependency of glycosaminoglycan content in lumbar discs: A 3t gagcEST study. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1517-1523.	3.4	37
51	Comparison of Quantitative and Semiquantitative Dynamic Contrast-Enhanced MRI With Respect to Their Correlation to Delayed Gadolinium-Enhanced MRI of the Cartilage in Patients With Early Rheumatoid Arthritis. <i>Journal of Computer Assisted Tomography</i> , 2015, 39, 64-69.	0.9	11
52	Glycosaminoglycan chemical exchange saturation transfer of lumbar intervertebral discs in patients with spondyloarthritis. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1057-1063.	3.4	27
53	Improvement of gagCEST imaging in the human lumbar intervertebral disc by motion correction. <i>Skeletal Radiology</i> , 2015, 44, 505-511.	2.0	20
54	Low visual cortex GABA levels in hepatic encephalopathy: links to blood ammonia, critical flicker frequency, and brain osmolytes. <i>Metabolic Brain Disease</i> , 2015, 30, 1429-1438.	2.9	28

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55	Feasibility of diffusional kurtosis tensor imaging in prostate MRI for the assessment of prostate cancer: Preliminary results. <i>Magnetic Resonance Imaging</i> , 2014, 32, 880-885.	1.8	52
56	Pilot study of lopamidol-based quantitative pH imaging on a clinical 3T MR scanner. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2014, 27, 477-485.	2.0	49
57	Functional evaluation of transplanted kidneys using arterial spin labeling MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 84-89.	3.4	58
58	Absolute GABA spectroscopy with MEGA-PRESS and watermapping in sensorimotor and visual cortex and correlation to handedness. <i>European Journal of Medical Research</i> , 2014, 19, .	2.2	2
59	Diffusion kurtosis imaging of the human kidney: A feasibility study. <i>Magnetic Resonance Imaging</i> , 2014, 32, 413-420.	1.8	62
60	Impact of blood flow on diffusion coefficients of the human kidney: A time-resolved ECG-triggered diffusion-tensor imaging (DTI) study at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 233-236.	3.4	35
61	T2* mapping and delayed gadolinium-enhanced magnetic resonance imaging in cartilage (dGEMRIC) of glenohumeral cartilage in asymptomatic volunteers at 3T. <i>European Radiology</i> , 2013, 23, 1367-1374.	4.5	29
62	Biexponential analysis of diffusion-weighted imaging: comparison of three different calculation methods in transplanted kidneys. <i>Acta Radiologica</i> , 2013, 54, 1210-1217.	1.1	16
63	Kidney Transplant: Functional Assessment with Diffusion-Tensor MR Imaging at 3T. <i>Radiology</i> , 2013, 266, 218-225.	7.3	100
64	Diffusion-weighted imaging (DWI) of the spleen in patients with liver cirrhosis and portal hypertension. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1092-1096.	1.8	26
65	Correlation of Biexponential Diffusion Parameters With Arterial Spin-Labeling Perfusion MRI. <i>Investigative Radiology</i> , 2013, 48, 140-144.	6.2	40
66	Temporally Resolved Electrocardiogram-Triggered Diffusion-Weighted Imaging of the Human Kidney. <i>Investigative Radiology</i> , 2012, 47, 226-230.	6.2	46
67	A Phantom Approach to Interscanner Comparability of Computed Tomographic Brain Perfusion Parameters. <i>Journal of Computer Assisted Tomography</i> , 2012, 36, 732-738.	0.9	2
68	Comparison of different mathematical models of diffusion-weighted prostate MR imaging. <i>Magnetic Resonance Imaging</i> , 2012, 30, 1468-1474.	1.8	55
69	Cartilage quality in rheumatoid arthritis: comparison of T2* mapping, native T1 mapping, dGEMRIC, $\hat{\rho}R1$ and value of pre-contrast imaging. <i>Skeletal Radiology</i> , 2012, 41, 685-692.	2.0	31
70	Molecular imaging of cartilage damage of finger joints in early rheumatoid arthritis with delayed gadolinium-enhanced magnetic resonance imaging. <i>Arthritis and Rheumatism</i> , 2012, 64, 394-399.	6.7	42
71	Ketamine effects on brain function - Simultaneous fMRI/EEG during a visual oddball task. <i>NeuroImage</i> , 2011, 58, 508-525.	4.2	72
72	Motion correction improves image quality of dGEMRIC in finger joints. <i>European Journal of Radiology</i> , 2011, 80, e427-31.	2.6	15

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73	Hybrid 18F-FDG PETâ€“MRI of the hand in rheumatoid arthritis: initial results. <i>Clinical Rheumatology</i> , 2011, 30, 1247-1250.	2.2	55
74	Diffusion-Attenuated MRI Signal of Renal Allografts: Comparison of Two Different Statistical Models. <i>American Journal of Roentgenology</i> , 2011, 196, W701-W705.	2.2	24
75	Failed Recovery from Thrombolysis Is Predicted by the Initial Diffusion Weighted Imaging Lesion. <i>Cerebrovascular Diseases</i> , 2011, 31, 580-587.	1.7	18
76	Quantification of renal allograft perfusion using arterial spin labeling MRI: initial results. <i>European Radiology</i> , 2010, 20, 1485-1491.	4.5	82
77	The relation of regional cerebral perfusion and atrophy in mild cognitive impairment (MCI) and early Alzheimer's dementia. <i>Psychiatry Research - Neuroimaging</i> , 2010, 183, 44-51.	1.8	26
78	Dynamic EEGâ€“informed fMRI modeling of the pain matrix using 20â€“ms root mean square segments. <i>Human Brain Mapping</i> , 2010, 31, 1702-1712.	3.6	7
79	Statistical evaluation of diffusionâ€“weighted imaging of the human kidney. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 616-622.	3.0	72
80	Metacarpophalangeal Joints in Rheumatoid Arthritis: Delayed Gadolinium-enhanced MR Imaging of Cartilageâ€“A Feasibility Study. <i>Radiology</i> , 2010, 257, 441-447.	7.3	28
81	Lesion patterns in successful and failed thrombolysis in middle cerebral artery stroke. <i>Neuroradiology</i> , 2009, 51, 865-871.	2.2	24
82	Voxel-based analyses of magnetization transfer imaging of the brain in hepatic encephalopathy. <i>World Journal of Gastroenterology</i> , 2009, 15, 5157.	3.3	18
83	On the neural networks of empathy: A principal component analysis of an fMRI study. <i>Behavioral and Brain Functions</i> , 2008, 4, 41.	3.3	38
84	Detection of changed regional cerebral blood flow in mild cognitive impairment and early Alzheimer's dementia by perfusion-weighted magnetic resonance imaging. <i>NeuroImage</i> , 2008, 40, 495-503.	4.2	80
85	Pattern of Cortex and White Matter Involvement in Severe Middle Cerebral Artery Ischemia. <i>Journal of Neuroimaging</i> , 2007, 17, 131-140.	2.0	28
86	Dynamic breast MR imaging: is parametric mapping superior to image subtraction in lesion detection?. <i>European Radiology</i> , 2007, 17, 3093-3099.	4.5	5
87	Significance of the perfusionâ€“diffusion mismatch in chronic cerebral ischemia. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 771-778.	3.4	22
88	Motor Recovery as Assessed with Isometric Finger Movements and Perfusion Magnetic Resonance Imaging after Acute Ischemic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2006, 20, 390-397.	2.9	7
89	Partial rescue of the perfusion deficit area by thrombolysis. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 22, 199-205.	3.4	18
90	Multimodal metabolic imaging of cerebral gliomas: positron emission tomography with [18F]fluoroethyl-l-tyrosine and magnetic resonance spectroscopy. <i>Journal of Neurosurgery</i> , 2005, 102, 318-327.	1.6	170

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91	Initial Ischemic Event: Perfusion-weighted MR Imaging and Apparent Diffusion Coefficient for Stroke Evolution. Radiology, 2005, 237, 1020-1028.	7.3	42
92	Development of brain infarct volume as assessed by magnetic resonance imaging (MRI): Follow-up of diffusion-weighted MRI lesions. Journal of Magnetic Resonance Imaging, 2004, 20, 201-207.	3.4	49
93	Bimanual Recoupling by Visual Cueing in Callosal Disconnection. Neurocase, 2004, 10, 316-325.	0.6	22
94	The encoding of saccadic eye movements within human posterior parietal cortex. NeuroImage, 2004, 22, 304-314.	4.2	53
95	Brain metabolism in Alzheimer disease and vascular dementia assessed by in vivo proton magnetic resonance spectroscopy. Psychiatry Research - Neuroimaging, 2003, 123, 183-190.	1.8	41
96	A rapid and reliable semiautomated method for measurement of total abdominal fat volumes using magnetic resonance imaging. Magnetic Resonance Imaging, 2003, 21, 631-636.	1.8	19
97	MR Imaging in Acute Stroke: Diffusion-weighted and Perfusion Imaging Parameters for Predicting Infarct Size. Radiology, 2002, 222, 397-403.	7.3	108
98	Basal Ganglia Metabolite Abnormalities in Minor Motor Disorders Associated With Human Immunodeficiency Virus Type 1. Archives of Neurology, 2001, 58, 1281.	4.5	56
99	Proton MR spectroscopy of the lumbar spine in patients with glycogen storage disease type Ib. Journal of Magnetic Resonance Imaging, 2001, 14, 757-762.	3.4	10