

Anja M¹/₄ller-Lutz

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Lorentzian-Corrected Apparent Exchange-Dependent Relaxation (LAREX) $\hat{\rho}$ -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
4	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
5	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
6	Non-Specific Low Back Pain and Lumbar Radiculopathy: Comparison of Morphologic and Compositional MRI as Assessed by gagCEST Imaging at 3T. <i>Diagnostics</i> , 2021, 11, 402.	2.6	3
7	Evaluating Lumbar Intervertebral Disc Degeneration on a Compositional Level Using Chemical Exchange Saturation Transfer: Preliminary Results in Patients with Adolescent Idiopathic Scoliosis. <i>Diagnostics</i> , 2021, 11, 934.	2.6	4
8	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
9	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
10	Assessing Associations of Synovial Perfusion, Cartilage Quality, and Outcome in Rheumatoid Arthritis Using Dynamic Contrast-enhanced Magnetic Resonance Imaging. <i>Journal of Rheumatology</i> , 2020, 47, 15-19.	2.0	7
11	Functional MR imaging beyond structure and inflammation – radiographic axial spondyloarthritis is associated with proteoglycan depletion of the lumbar spine. <i>Arthritis Research and Therapy</i> , 2020, 22, 219.	3.5	4
12	Cartilage Degradation in Psoriatic Arthritis Is Associated With Increased Synovial Perfusion as Detected by Magnetic Resonance Imaging. <i>Frontiers in Medicine</i> , 2020, 7, 539870.	2.6	4
13	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
14	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
15	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
16	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
17	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
18	Assessment of time-resolved renal diffusion parameters over the entire cardiac cycle. <i>Magnetic Resonance Imaging</i> , 2019, 55, 1-6.	1.8	5

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19	Prevention of the progressive biochemical cartilage destruction under methotrexate therapy in early rheumatoid arthritis. <i>Clinical and Experimental Rheumatology</i> , 2019, 37, 179-185.	0.8	5
20	Cartilage Imaging: Techniques and Developments. <i>Seminars in Musculoskeletal Radiology</i> , 2018, 22, 245-260.	0.7	17
21	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
22	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
23	GABAergic Control of Nigrostriatal and Mesolimbic Dopamine in the Rat Brain. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 38.	2.0	15
24	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
25	Value of delayed gadolinium-enhanced magnetic resonance imaging of cartilage for the pre-operative assessment of cervical intervertebral discs. <i>Journal of Orthopaedic Research</i> , 2017, 35, 1824-1830.	2.3	4
26	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
27	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
28	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
29	Glycosaminoglycan Chemical Exchange Saturation Transfer of Lumbar Intervertebral Discs in Healthy Volunteers. <i>Spine</i> , 2016, 41, 146-152.	2.0	32
30	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
31	Glycosaminoglycan chemical exchange saturation transfer at 3T MRI in asymptomatic knee joints. <i>Acta Radiologica</i> , 2016, 57, 627-632.	1.1	20
32	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
33	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
34	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
35	Improvement of gagCEST imaging in the human lumbar intervertebral disc by motion correction. <i>Skeletal Radiology</i> , 2015, 44, 505-511.	2.0	20
36	Dynamic contrast-enhanced magnetic resonance imaging of metacarpophalangeal joints reflects histological signs of synovitis in rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2014, 16, 452.	3.5	32

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37	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
38	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
39	Diffusion kurtosis imaging of the human kidney: A feasibility study. <i>Magnetic Resonance Imaging</i> , 2014, 32, 413-420.	1.8	62