Carl Ganter

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Performance Measurements of the Siemens mMR Integrated Whole-Body PET/MR Scanner. Journal of Nuclear Medicine, 2011, 52, 1914-1922.	5.0	828
2	First Clinical Experience with Integrated Whole-Body PET/MR: Comparison to PET/CT in Patients with Oncologic Diagnoses. Journal of Nuclear Medicine, 2012, 53, 845-855.	5.0	466
3	Harmonic Vibrational Excitations in Disordered Solids and the "Boson Peak― Physical Review Letters, 1998, 81, 136-139.	7.8	398
4	Characterization of focal liver lesions by ADC measurements using a respiratory triggered diffusion-weighted single-shot echo-planar MR imaging technique. European Radiology, 2008, 18, 477-485.	4.5	376
5	Preliminary Results for Characterization of Pelvic Lymph Nodes in Patients With Prostate Cancer by Diffusion-Weighted MR-Imaging. Investigative Radiology, 2010, 45, 15-23.	6.2	143
6	Xylem Water Content and Wood Density in Spruce and Oak Trees Detected by High-Resolution Computed Tomography. Plant Physiology, 2001, 127, 416-425.	4.8	104
7	Characterization of small (â‰ ¤ 0mm) focal liver lesions: Value of respiratory-triggered echo-planar diffusion-weighted MR imaging. European Journal of Radiology, 2010, 76, 89-95.	2.6	95
8	Comparison of multislice CT arthrography and MR arthrography for the detection of articular cartilage lesions of the elbow. European Radiology, 2005, 15, 784-791.	4.5	91
9	MRI of the lung: Value of different turbo spin-echo, single-shot turbo spin-echo, and 3D gradient-echo pulse sequences for the detection of pulmonary metastases. Journal of Magnetic Resonance Imaging, 2007, 25, 73-81.	3.4	87
10	Wholeâ€body MRI including diffusionâ€weighted imaging (DWI) for patients with recurring prostate cancer: Technical feasibility and assessment of lesion conspicuity in DWI. Journal of Magnetic Resonance Imaging, 2011, 33, 1160-1170.	3.4	83
11	Triple echo steadyâ€state (TESS) relaxometry. Magnetic Resonance in Medicine, 2014, 71, 230-237.	3.0	73
12	Restricted Water Diffusibility as Measured by Diffusion-weighted MR Imaging and Choline Uptake in 11C-Choline PET/CT are Correlated in Pelvic Lymph Nodes in Patients with Prostate Cancer. Molecular Imaging and Biology, 2011, 13, 352-361.	2.6	61
13	Quantitative in vivo diffusion imaging of cartilage using double echo steadyâ€state free precession. Magnetic Resonance in Medicine, 2012, 68, 720-729.	3.0	47
14	Evaluation of T 1ï•as a potential MR biomarker for liver cirrhosis: Comparison of healthy control subjects and patients with liver cirrhosis. European Journal of Radiology, 2014, 83, 900-904.	2.6	45
15	Synovitis in Patients with Early Inflammatory Arthritis Monitored with Quantitative Analysis of Dynamic Contrast-enhanced Optical Imaging and MR Imaging. Radiology, 2014, 270, 176-185.	7.3	45
16	Detection of synovitis in the hands of patients with rheumatologic disorders: Diagnostic performance of optical imaging in comparison with magnetic resonance imaging. Arthritis and Rheumatism, 2012, 64, 2489-2498.	6.7	44
17	Reduction of the n–6:n–3 long-chain PUFA ratio during pregnancy and lactation on offspring body composition: follow-up results from a randomized controlled trial up to 5 y of age. American Journal of Clinical Nutrition, 2016, 103, 1472-1481.	4.7	41
18	Phenotyping of Tumor Biology in Patients by Multimodality Multiparametric Imaging: Relationship of Microcirculation, αvl²3 Expression, and Glucose Metabolism. Journal of Nuclear Medicine, 2010, 51, 1691-1698.	5.0	39

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19	Steady state of gradient echo sequences with radiofrequency phase cycling: Analytical solution, contrast enhancement with partial spoiling. Magnetic Resonance in Medicine, 2006, 55, 98-107.	3.0	35
20	Quantitative mapping of <i>T</i> ₂ using partial spoiling. Magnetic Resonance in Medicine, 2011, 66, 410-418.	3.0	30
21	Assessment of Gunshot Bullet Injuries with the Use of Magnetic Resonance Imaging. Journal of Trauma, 2000, 49, 704-709.	2.3	29
22	Off-resonance effects in the transient response of SSFP sequences. Magnetic Resonance in Medicine, 2004, 52, 368-375.	3.0	29
23	Static susceptibility effects in balanced SSFP sequences. Magnetic Resonance in Medicine, 2006, 56, 687-691.	3.0	29
24	Rayleigh scattering, long-time tails, and the harmonic spectrum of topologically disordered systems. Physical Review B, 2010, 82, .	3.2	29
25	Rapid estimation of cartilage <i>T</i> ₂ with reduced <i>T</i> ₁ sensitivity using double echo steady state imaging. Magnetic Resonance in Medicine, 2014, 71, 1137-1143.	3.0	28
26	View-Angle Tilting and Slice-Encoding Metal Artifact Correction for Artifact Reduction in MRI: Experimental Sequence Optimization for Orthopaedic Tumor Endoprostheses and Clinical Application. PLoS ONE, 2015, 10, e0124922.	2.5	28
27	Multiparametric MR and PET Imaging of Intratumoral Biological Heterogeneity in Patients with Metastatic Lung Cancer Using Voxel-by-Voxel Analysis. PLoS ONE, 2015, 10, e0132386.	2.5	28
28	Variable flip angle T ₁ mapping in the human brain with reduced t ₂ sensitivity using fast radiofrequencyâ€spoiled gradient echo imaging. Magnetic Resonance in Medicine, 2016, 75, 1413-1422.	3.0	25
29	Magnetic resonance imaging of the inferior alveolar nerve with special regard to metal artifact reduction. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 558-569.	1.7	25
30	Quantitative magnetic resonance imaging of the upper trapezius muscles – assessment of myofascial trigger points in patients with migraine. Journal of Headache and Pain, 2019, 20, 8.	6.0	23
31	Model calculations for the vibrational anomalies of a disordered Lennard–Jones solid. Physica B: Condensed Matter, 2000, 284-288, 1147-1148.	2.7	20
32	Fast diffusionâ€weighted steady state free precession imaging of in vivo knee cartilage. Magnetic Resonance in Medicine, 2012, 67, 691-700.	3.0	17
33	â€mapping with the transient phase of unbalanced steadyâ€state free precession. Magnetic Resonance in Medicine, 2013, 70, 1515-1523.	3.0	15
34	High Isotropic Resolution T2 Mapping of the Lumbosacral Plexus with T2-Prepared 3D Turbo Spin Echo. Clinical Neuroradiology, 2019, 29, 223-230.	1.9	15
35	Model calculations for vibrational properties of disordered solids and the "boson peak― Physica B: Condensed Matter, 1999, 263-264, 160-162.	2.7	14
36	Analytical solution to the transient phase of steadyâ€state free precession sequences. Magnetic Resonance in Medicine, 2009, 62, 149-164.	3.0	14

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37	3.0 T MR imaging of the ankle: Axial traction for morphological cartilage evaluation, quantitative T2 mapping and cartilage diffusion imaging—A preliminary study. European Journal of Radiology, 2015, 84, 1546-1554.	2.6	14
38	On the fluidâ€ŧissue contrast behavior of highâ€resolution steadyâ€state sequences. Magnetic Resonance in Medicine, 2012, 68, 1586-1592.	3.0	13
39	In vivo Intrauterine Sound Pressure and Temperature Measurements during Magnetic Resonance Imaging (1.5 T) in Pregnant Ewes. Fetal Diagnosis and Therapy, 2008, 24, 203-210.	1.4	11
40	T2 mapping of the distal sciatic nerve in healthy subjects and patients suffering from lumbar disc herniation with nerve compression. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 713-724.	2.0	10
41	Generalization of the Effective-Medium Approximation for Hopping Transport in Amorphous Materials. Physica Status Solidi (B): Basic Research, 2000, 218, 71-74.	1.5	7
42	Generalizated effective-medium approximation for hopping transport in topologically disordered systems. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2001, 81, 915-924.	0.6	7
43	Observations With Simultaneous 18F-FDG PETÂand MR Imaging in Peripheral Artery Disease. JACC: Cardiovascular Imaging, 2017, 10, 709-711.	5.3	7
44	Steady state of echo–shifted sequences with radiofrequency phase cycling. Magnetic Resonance in Medicine, 2006, 56, 923-926.	3.0	6
45	Self-consistent Euclidean-random-matrix theory. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 464002.	2.1	6
46	Euclidean random matrix theory: low-frequency non-analyticities and Rayleigh scattering. Philosophical Magazine, 2011, 91, 1894-1909.	1.6	5
47	T2 mapping of lumbosacral nerves in patients suffering from unilateral radicular pain due to degenerative disc disease. Journal of Neurosurgery: Spine, 2019, 30, 750-758.	1.7	5
48	Pure balanced steadyâ€state free precession imaging (pureÂbSSFP). Magnetic Resonance in Medicine, 2022, 87, 1886-1893.	3.0	4
49	The quantification of ΔRâ^—2 under brain activation: dependence on relaxation rate at rest and significance threshold. Magnetic Resonance Imaging, 2001, 19, 649-657.	1.8	1
50	Clinical Pilot Study for the Automatic Segmentation and Recognition of Abdominal Adipose Tissue Compartments from MRI Data. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2012, 184, 548-555.	1.3	1
51	Segmentierung und Volumetrie von TumorentitĤen mit CT-DatensĤzen. Informatik Aktuell, 2000, , 449-453.	0.6	1
52	Detection and characterization of liver lesions in patients with colorectal cancer with diffusion weighted MR imaging. Journal of Clinical Oncology, 2008, 26, 4071-4071.	1.6	1
53	Complex B 1 + mapping with Carrâ€Purcell spin echoes and its application to electrical properties tomography. Magnetic Resonance in Medicine, 2021, ,	3.0	1
54	Entwicklung eines halbautomatischen Algorithmus zur Segmentierung von Lebermetastasen. Informatik Aktuell, 2004, , 175-179.	0.6	0

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55	Configuration space representation of MRI sequences. Magnetic Resonance in Medicine, 2021, , .	3.0	0