

# Carl Ganter

## List of Publications by Citations

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52  
papers

3,040  
citations

23  
h-index

55  
g-index

68  
ext. papers

3,388  
ext. citations

4.3  
avg, IF

4.76  
L-index

#	Paper	IF	Citations
52	Performance measurements of the Siemens mMR integrated whole-body PET/MR scanner. <i>Journal of Nuclear Medicine</i> , <b>2011</b> , 52, 1914-22	8.9	665
51	First clinical experience with integrated whole-body PET/MR: comparison to PET/CT in patients with oncologic diagnoses. <i>Journal of Nuclear Medicine</i> , <b>2012</b> , 53, 845-55	8.9	418
50	Harmonic Vibrational Excitations in Disordered Solids and the Boson Peak <i>Physical Review Letters</i> , <b>1998</b> , 81, 136-139	7.4	357
49	Characterization of focal liver lesions by ADC measurements using a respiratory triggered diffusion-weighted single-shot echo-planar MR imaging technique. <i>European Radiology</i> , <b>2008</b> , 18, 477-85 <sup>8</sup>		336
48	Preliminary results for characterization of pelvic lymph nodes in patients with prostate cancer by diffusion-weighted MR-imaging. <i>Investigative Radiology</i> , <b>2010</b> , 45, 15-23	10.1	122
47	Xylem Water Content and Wood Density in Spruce and Oak Trees Detected by High-Resolution Computed Tomography. <i>Plant Physiology</i> , <b>2001</b> , 127, 416-425	6.6	87
46	Comparison of multislice CT arthrography and MR arthrography for the detection of articular cartilage lesions of the elbow. <i>European Radiology</i> , <b>2005</b> , 15, 784-91	8	81
45	Characterization of small (10 mm) focal liver lesions: value of respiratory-triggered echo-planar diffusion-weighted MR imaging. <i>European Journal of Radiology</i> , <b>2010</b> , 76, 89-95	4.7	79
44	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. <i>Journal of Magnetic Resonance Imaging</i> , <b>2007</b> , 25, 73-81	5.6	71
43	Whole-body MRI including diffusion-weighted imaging (DWI) for patients with recurring prostate cancer: technical feasibility and assessment of lesion conspicuity in DWI. <i>Journal of Magnetic Resonance Imaging</i> , <b>2011</b> , 33, 1160-70	5.6	67
42	Triple echo steady-state (TESS) relaxometry. <i>Magnetic Resonance in Medicine</i> , <b>2014</b> , 71, 230-7	4.4	56
41	Restricted water diffusibility as measured by diffusion-weighted MR imaging and choline uptake in (11)C-choline PET/CT are correlated in pelvic lymph nodes in patients with prostate cancer. <i>Molecular Imaging and Biology</i> , <b>2011</b> , 13, 352-61	3.8	55
40	Synovitis in patients with early inflammatory arthritis monitored with quantitative analysis of dynamic contrast-enhanced optical imaging and MR imaging. <i>Radiology</i> , <b>2014</b> , 270, 176-85	20.5	41
39	Evaluation of T1 $\rho$ as a potential MR biomarker for liver cirrhosis: comparison of healthy control subjects and patients with liver cirrhosis. <i>European Journal of Radiology</i> , <b>2014</b> , 83, 900-904	4.7	40
38	Quantitative in vivo diffusion imaging of cartilage using double echo steady-state free precession. <i>Magnetic Resonance in Medicine</i> , <b>2012</b> , 68, 720-9	4.4	40
37	Detection of synovitis in the hands of patients with rheumatologic disorders: diagnostic performance of optical imaging in comparison with magnetic resonance imaging. <i>Arthritis and Rheumatism</i> , <b>2012</b> , 64, 2489-98		40
36	Phenotyping of tumor biology in patients by multimodality multiparametric imaging: relationship of microcirculation, alphavbeta3 expression, and glucose metabolism. <i>Journal of Nuclear Medicine</i> , <b>2010</b> , 51, 1691-8	8.9	37

35	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. <i>American Journal of Clinical Nutrition</i> , <b>2016</b> , 103, 1472-81	7	34
34	Steady state of gradient echo sequences with radiofrequency phase cycling: analytical solution, contrast enhancement with partial spoiling. <i>Magnetic Resonance in Medicine</i> , <b>2006</b> , 55, 98-107	4.4	29
33	Quantitative mapping of T2 using partial spoiling. <i>Magnetic Resonance in Medicine</i> , <b>2011</b> , 66, 410-8	4.4	28
32	Assessment of gunshot bullet injuries with the use of magnetic resonance imaging. <i>Journal of Trauma</i> , <b>2000</b> , 49, 704-9		27
31	Multiparametric MR and PET Imaging of Intratumoral Biological Heterogeneity in Patients with Metastatic Lung Cancer Using Voxel-by-Voxel Analysis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132386	3.7	25
30	Rapid estimation of cartilage T2 with reduced T1 sensitivity using double echo steady state imaging. <i>Magnetic Resonance in Medicine</i> , <b>2014</b> , 71, 1137-43	4.4	23
29	Off-resonance effects in the transient response of SSFP sequences. <i>Magnetic Resonance in Medicine</i> , <b>2004</b> , 52, 368-75	4.4	23
28	Rayleigh scattering, long-time tails, and the harmonic spectrum of topologically disordered systems. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	22
27	Static susceptibility effects in balanced SSFP sequences. <i>Magnetic Resonance in Medicine</i> , <b>2006</b> , 56, 687-91	4.4	22
26	Model calculations for the vibrational anomalies of a disordered Lennard-Jones solid. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 284-288, 1147-1148	2.8	20
25	View-Angle Tilting and Slice-Encoding Metal Artifact Correction for Artifact Reduction in MRI: Experimental Sequence Optimization for Orthopaedic Tumor Endoprostheses and Clinical Application. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124922	3.7	18
24	Magnetic resonance imaging of the inferior alveolar nerve with special regard to metal artifact reduction. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , <b>2017</b> , 45, 558-569	3.6	17
23	Variable flip angle T1 mapping in the human brain with reduced T2 sensitivity using fast radiofrequency-spoiled gradient echo imaging. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 1413-22	4.4	16
22	Fast diffusion-weighted steady state free precession imaging of in vivo knee cartilage. <i>Magnetic Resonance in Medicine</i> , <b>2012</b> , 67, 691-700	4.4	14
21	Quantitative magnetic resonance imaging of the upper trapezius muscles - assessment of myofascial trigger points in patients with migraine. <i>Journal of Headache and Pain</i> , <b>2019</b> , 20, 8	8.8	13
20	Model calculations for vibrational properties of disordered solids and the Boson peak. <i>Physica B: Condensed Matter</i> , <b>1999</b> , 263-264, 160-162	2.8	13
19	On the fluid-tissue contrast behavior of high-resolution steady-state sequences. <i>Magnetic Resonance in Medicine</i> , <b>2012</b> , 68, 1586-92	4.4	11
18	B1+-mapping with the transient phase of unbalanced steady-state free precession. <i>Magnetic Resonance in Medicine</i> , <b>2013</b> , 70, 1515-23	4.4	11

17	Analytical solution to the transient phase of steady-state free precession sequences. <i>Magnetic Resonance in Medicine</i> , <b>2009</b> , 62, 149-64	4.4	11
16	3.0T MR imaging of the ankle: Axial traction for morphological cartilage evaluation, quantitative T2 mapping and cartilage diffusion imaging-A preliminary study. <i>European Journal of Radiology</i> , <b>2015</b> , 84, 1546-1554	4.7	10
15	High Isotropic Resolution T2 Mapping of the Lumbosacral Plexus with T2-Prepared 3D Turbo Spin Echo. <i>Clinical Neuroradiology</i> , <b>2019</b> , 29, 223-230	2.7	10
14	T2 mapping of the distal sciatic nerve in healthy subjects and patients suffering from lumbar disc herniation with nerve compression. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2020</b> , 33, 713-724	2.8	8
13	In vivo intrauterine sound pressure and temperature measurements during magnetic resonance imaging (1.5 T) in pregnant ewes. <i>Fetal Diagnosis and Therapy</i> , <b>2008</b> , 24, 203-10	2.4	8
12	Generalized effective-medium approximation for hopping transport in topologically disordered systems. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , <b>2001</b> , 81, 915-924		7
11	Generalization of the Effective-Medium Approximation for Hopping Transport in Amorphous Materials. <i>Physica Status Solidi (B): Basic Research</i> , <b>2000</b> , 218, 71-74	1.3	6
10	Steady state of echo-shifted sequences with radiofrequency phase cycling. <i>Magnetic Resonance in Medicine</i> , <b>2006</b> , 56, 923-6	4.4	5
9	Observations With Simultaneous 18F-FDG PET and MR Imaging in Peripheral Artery Disease. <i>JACC: Cardiovascular Imaging</i> , <b>2017</b> , 10, 709-711	8.4	4
8	T2 mapping of lumbosacral nerves in patients suffering from unilateral radicular pain due to degenerative disc disease. <i>Journal of Neurosurgery: Spine</i> , <b>2019</b> , 1-9	2.8	4
7	Euclidean random matrix theory: low-frequency non-analyticities and Rayleigh scattering. <i>Philosophical Magazine</i> , <b>2011</b> , 91, 1894-1909	1.6	3
6	Self-consistent Euclidean-random-matrix theory. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2019</b> , 52, 464002	2	2
5	Clinical pilot study for the automatic segmentation and recognition of abdominal adipose tissue compartments from MRI data. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , <b>2012</b> , 184, 548-55	2.3	1
4	Pure balanced steady-state free precession imaging (pure bSSFP). <i>Magnetic Resonance in Medicine</i> , <b>2021</b> ,	4.4	1
3	Segmentierung und Volumetrie von Tumorentitäten mit CT-Datensätzen. <i>Informatik Aktuell</i> , <b>2000</b> , 449-453	3.3	1
2	The quantification of DeltaR2(*) under brain activation: dependence on relaxation rate at rest and significance threshold. <i>Magnetic Resonance Imaging</i> , <b>2001</b> , 19, 649-57	3.3	0
1	Entwicklung eines halbautomatischen Algorithmus zur Segmentierung von Lebermetastasen. <i>Informatik Aktuell</i> , <b>2004</b> , 175-179	0.3	