

GÃtz Hannes Welsch

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,303
citations

430874

18
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677142

22
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24
all docs

24
docs citations

24
times ranked

1160
citing authors

#	ARTICLE	IF	CITATIONS
1	Cartilage T2 Assessment at 3-T MR Imaging: In Vivo Differentiation of Normal Hyaline Cartilage from Reparative Tissue after Two Cartilage Repair Proceduresâ€”Initial Experience. <i>Radiology</i> , 2008, 247, 154-161.	7.3	189
2	In Vivo Biochemical 7.0 Tesla Magnetic Resonance. <i>Investigative Radiology</i> , 2008, 43, 619-626.	6.2	130
3	Quantitative T2 Mapping of Knee Cartilage: Differentiation of Healthy Control Cartilage and Cartilage Repair Tissue in the Knee with Unloadingâ€”Initial Results. <i>Radiology</i> , 2010, 254, 818-826.	7.3	110
4	Three-Dimensional Magnetic Resonance Observation of Cartilage Repair Tissue (MOCART) Score Assessed With an Isotropic Three-Dimensional True Fast Imaging With Steady-State Precession Sequence at 3.0 Tesla. <i>Investigative Radiology</i> , 2009, 44, 603-612.	6.2	102
5	Rapid estimation of cartilage T2 based on double echo at steady state (DESS) with 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 544-549.	3.0	77
6	Magnetic Resonance Imaging of Cartilage Repair. <i>Cartilage</i> , 2011, 2, 5-26.	2.7	72
7	Magnetization transfer contrast and T2 mapping in the evaluation of cartilage repair tissue with 3T MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 979-986.	3.4	69
8	Quantitative T2 mapping during follow-up after matrix-associated autologous chondrocyte transplantation (MACT): Full-thickness and zonal evaluation to visualize the maturation of cartilage repair tissue. <i>Journal of Orthopaedic Research</i> , 2009, 27, 957-963.	2.3	69
9	Biochemical (T2, T2* and magnetisation transfer ratio) MRI of knee cartilage: feasibility at ultra-high field (7T) compared with high field (3T) strength. <i>European Radiology</i> , 2011, 21, 1136-1143.	4.5	68
10	T2 and T2* mapping in patients after matrix-associated autologous chondrocyte transplantation: initial results on clinical use with 3.0-Tesla MRI. <i>European Radiology</i> , 2010, 20, 1515-1523.	4.5	59
11	Evaluation and comparison of cartilage repair tissue of the patella and medial femoral condyle by using morphological MRI and biochemical zonal T2 mapping. <i>European Radiology</i> , 2009, 19, 1253-1262.	4.5	56
12	Magnetic resonance imaging of the knee at 3 and 7 Tesla: a comparison using dedicated multi-channel coils and optimised 2D and 3D protocols. <i>European Radiology</i> , 2012, 22, 1852-1859.	4.5	50
13	Cartilage Repair Surgery: Outcome Evaluation by Using Noninvasive Cartilage Biomarkers Based on Quantitative MRI Techniques?. <i>BioMed Research International</i> , 2014, 2014, 1-17.	1.9	46
14	Advanced morphological 3D magnetic resonance observation of cartilage repair tissue (MOCART) scoring using a new isotropic 3D proton density, turbo spin echo sequence with variable flip angle distribution (PD-SPACE) compared to an isotropic 3D steady-state free precession sequence (TrueFISP) and standard 2D sequences. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 180-188.	3.4	44
15	High-resolution morphological and biochemical imaging of articular cartilage of the ankle joint at 3.0 T using a new dedicated phased array coil: in vivo reproducibility study. <i>Skeletal Radiology</i> , 2008, 37, 519-526.	2.0	43
16	Using Cartilage MRI T2-Mapping to Analyze Early Cartilage Degeneration in the Knee Joint of Young Professional Soccer Players. <i>Cartilage</i> , 2019, 10, 288-298.	2.7	31
17	Effect of short-term unloading on T2 relaxation time in the lumbar intervertebral discâ€”in vivo magnetic resonance imaging study at 3.0 tesla. <i>Spine Journal</i> , 2012, 12, 257-264.	1.3	24
18	Quantitative T2 Mapping Shows Increased Degeneration in Adjacent Intervertebral Discs Following Kyphoplasty. <i>Cartilage</i> , 2020, 11, 152-159.	2.7	22

#	ARTICLE	IF	CITATIONS
19	Morphological and biochemical T2 evaluation of cartilage repair tissue based on a hybrid double echo at steady state (DESS+T2d) approach. Journal of Magnetic Resonance Imaging, 2011, 34, 895-903.	3.4	17
20	Optimized cartilage visualization using 7-T sodium (²³ Na) imaging after patella dislocation. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 1601-1609.	4.2	10
21	Regions at Risk in the Knee Joint of Young Professional Soccer Players: Longitudinal Evaluation of Early Cartilage Degeneration by Quantitative T2 Mapping in 3 T MRI. Cartilage, 2021, 13, 595S-603S.	2.7	10
22	Tibial Cartilage Hypertrophy Due to Matrix-Associated Autologous Chondrocyte Transplantation of the Medial Femoral Condyle. Journal of Bone and Joint Surgery - Series A, 2009, 91, 1996-2001.	3.0	4
23	Changes in T2 Relaxation Time Mapping of Intervertebral Discs Adjacent to Vertebrae after Kyphoplasty Correlate with the Physical Clinical Outcome of Patients. Diagnostics, 2022, 12, 605.	2.6	1
24	dGEMRIC MAPPING OF KNEE JOINT REPAIR. , 2014, , 177-195.		0