

Jan Neumann

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

620
citations

566801

15
h-index

610482

24
g-index

33
all docs

33
docs citations

33
times ranked

847
citing authors

#	ARTICLE	IF	CITATIONS
1	Prestructural cartilage assessment using MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 949-965.	1.9	85
2	Cartilage repair surgery prevents progression of knee degeneration. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 3001-3013.	2.3	51
3	Radical Prostatectomy Without Prior Biopsy Following Multiparametric Magnetic Resonance Imaging and Prostate-specific Membrane Antigen Positron Emission Tomography. <i>European Urology</i> , 2022, 82, 156-160.	0.9	43
4	Tool for osteoarthritis risk prediction (TOARP) over 8 years using baseline clinical data, X-ray, and MRI: Data from the osteoarthritis initiative. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 1517-1526.	1.9	41
5	Differentiating atypical lipomatous tumors from lipomas with magnetic resonance imaging: a comparison with MDM2 gene amplification status. <i>BMC Cancer</i> , 2019, 19, 309.	1.1	33
6	Vertebral and femoral bone mineral density and bone strength in prostate cancer patients assessed in phantomless PET/CT examinations. <i>Bone</i> , 2017, 101, 62-69.	1.4	28
7	Accelerating anatomical 2D turbo spin echo imaging of the ankle using compressed sensing. <i>European Journal of Radiology</i> , 2019, 118, 277-284.	1.2	28
8	Meniscal Root Tears and Extrusion Are Significantly Associated with the Development of Accelerated Knee Osteoarthritis: Data from the Osteoarthritis Initiative. <i>Cartilage</i> , 2021, 13, 239S-248S.	1.4	26
9	Association of diabetes mellitus and biochemical knee cartilage composition assessed by T ₂ relaxation time measurements: Data from the osteoarthritis initiative. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 380-390.	1.9	25
10	Prognostic Assessment in High-Grade Soft-Tissue Sarcoma Patients: A Comparison of Semantic Image Analysis and Radiomics. <i>Cancers</i> , 2021, 13, 1929.	1.7	25
11	Diabetics show accelerated progression of knee cartilage and meniscal lesions: data from the osteoarthritis initiative. <i>Skeletal Radiology</i> , 2019, 48, 919-930.	1.2	22
12	Validation of scoring hip osteoarthritis with MRI (SHOMRI) scores using hip arthroscopy as a standard of reference. <i>European Radiology</i> , 2019, 29, 578-587.	2.3	21
13	CT pulmonary angiography: dose reduction via a next generation iterative reconstruction algorithm. <i>Acta Radiologica</i> , 2019, 60, 478-487.	0.5	19
14	Baseline knee joint effusion and medial femoral bone marrow edema, in addition to MRI-based T2 relaxation time and texture measurements of knee cartilage, can help predict incident total knee arthroplasty 4-7 years later: data from the Osteoarthritis Initiative. <i>Skeletal Radiology</i> , 2019, 48, 89-101.	1.2	18
15	Deep learning-based acceleration of Compressed Sense MR imaging of the ankle. <i>European Radiology</i> , 2022, 32, 8376-8385.	2.3	18
16	Abnormal Joint Loading During Gait in Persons With Hip Osteoarthritis Is Associated With Symptoms and Cartilage Lesions. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2019, 49, 917-924.	1.7	16
17	Fluorescence optical imaging and 3T-MRI for detection of synovitis in patients with rheumatoid arthritis in comparison to a composite standard of reference. <i>European Journal of Radiology</i> , 2017, 90, 6-13.	1.2	14
18	Is treated HIV infection associated with knee cartilage degeneration and structural changes? A longitudinal study using data from the osteoarthritis initiative. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 190.	0.8	12

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19	Meniscal ramp lesions: frequency, natural history, and the effect on knee cartilage over 2 years in subjects with anterior cruciate ligament tears. <i>Skeletal Radiology</i> , 2021, 50, 551-558.	1.2	12
20	Longitudinal MRI structural findings observed in accelerated knee osteoarthritis: data from the Osteoarthritis Initiative. <i>Skeletal Radiology</i> , 2019, 48, 1949-1959.	1.2	11
21	Intra-articular extra-axial chordoma of the wrist: a case report with review of the current literature. <i>Skeletal Radiology</i> , 2019, 48, 2015-2020.	1.2	11
22	Postoperative MRI Findings and Associated Pain Changes After Arthroscopic Surgery for Femoroacetabular Impingement. <i>American Journal of Roentgenology</i> , 2020, 214, 177-184.	1.0	11
23	Noninvasive quantitative assessment of microcirculatory disorders of the upper extremities with 2D fluorescence optical imaging. <i>Clinical Hemorheology and Microcirculation</i> , 2018, 70, 69-81.	0.9	9
24	Conservatively treated knee injury is associated with knee cartilage matrix degeneration measured with MRI-based T2 relaxation times: data from the osteoarthritis initiative. <i>Skeletal Radiology</i> , 2018, 47, 93-106.	1.2	9
25	Using the Scoring Hip Osteoarthritis with Magnetic Resonance Imaging (SHOMRI) system to assess intra-articular pathology in femoroacetabular impingement. <i>Journal of Orthopaedic Research</i> , 2018, 36, 3064-3070.	1.2	7
26	Introduction of an MR-based semi-quantitative score for assessing partial meniscectomy and relation to knee joint degenerative disease: data from the Osteoarthritis Initiative. <i>European Radiology</i> , 2019, 29, 3262-3272.	2.3	5
27	Detection of Bone Marrow Edema in Patients with Osteoid Osteoma Using Three-Material Decomposition with Dual-Layer Spectral CT. <i>Diagnostics</i> , 2021, 11, 953.	1.3	4
28	Ultrasound-based evaluation revealed reliable postoperative knee stability after combined acute ACL and MCL injuries. <i>Journal of Experimental Orthopaedics</i> , 2021, 8, 76.	0.8	4
29	Evaluation of MR-derived simulated CT-like images and simulated radiographs compared to conventional radiography in patients with shoulder pain: a proof-of-concept study. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 122.	0.8	4
30	Diagnosis of joint invasion in patients with malignant bone tumors: value and reproducibility of direct and indirect signs on MR imaging. <i>European Radiology</i> , 2022, 32, 4738-4748.	2.3	4
31	Cartilage degeneration post-meniscectomy performed for degenerative disease versus trauma: data from the Osteoarthritis Initiative. <i>Skeletal Radiology</i> , 2020, 49, 231-240.	1.2	2
32	Extracting Voxel-Based Cartilage Relaxometry Features in Hip Osteoarthritis Subjects Using Principal Component Analysis. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1708-1719.	1.9	2
33	Association of diabetes mellitus and biochemical knee cartilage composition assessed by T ₂ relaxation time measurements: Data from the osteoarthritis initiative. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, spcone.	1.9	0