

Alexandra S Gersing

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

1,722
citations

304368

22
h-index

344852

36
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88
all docs

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docs citations

88
times ranked

2324
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative MRI and spectroscopy of bone marrow. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 332-353.	1.9	185
2	Hemorrhagic Transformations after Thrombectomy: Risk Factors and Clinical Relevance. <i>Cerebrovascular Diseases</i> , 2017, 43, 294-304.	0.8	122
3	Progression of cartilage degeneration and clinical symptoms in obese and overweight individuals is dependent on the amount of weight loss: 48-month data from the Osteoarthritis Initiative. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 1126-1134.	0.6	66
4	Is Weight Loss Associated with Less Progression of Changes in Knee Articular Cartilage among Obese and Overweight Patients as Assessed with MR Imaging over 48 Months? Data from the Osteoarthritis Initiative. <i>Radiology</i> , 2017, 284, 508-520.	3.6	57
5	Cartilage repair surgery prevents progression of knee degeneration. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 3001-3013.	2.3	51
6	Is multidetector CT-based bone mineral density and quantitative bone microstructure assessment at the spine still feasible using ultra-low tube current and sparse sampling?. <i>European Radiology</i> , 2017, 27, 5261-5271.	2.3	47
7	Multitask Deep Learning for Segmentation and Classification of Primary Bone Tumors on Radiographs. <i>Radiology</i> , 2021, 301, 398-406.	3.6	47
8	Bone mineral density measurements derived from dual-layer spectral CT enable opportunistic screening for osteoporosis. <i>European Radiology</i> , 2019, 29, 6355-6363.	2.3	46
9	Type 2 diabetes patients have accelerated cartilage matrix degeneration compared to diabetes free controls: data from the Osteoarthritis Initiative. <i>Osteoarthritis and Cartilage</i> , 2018, 26, 751-761.	0.6	43
10	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
11	MRI-based delta-radiomics predicts pathologic complete response in high-grade soft-tissue sarcoma patients treated with neoadjuvant therapy. <i>Radiotherapy and Oncology</i> , 2021, 164, 73-82.	0.3	35
12	CT-like images based on T1 spoiled gradient-echo and ultra-short echo time MRI sequences for the assessment of vertebral fractures and degenerative bone changes of the spine. <i>European Radiology</i> , 2021, 31, 4680-4689.	2.3	35
13	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
14	Acute Recanalization of Thrombo-Embolic Ischemic Stroke with pREset (ARTESp): the impact of occlusion time on clinical outcome of directly admitted and transferred patients. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 817-822.	2.0	32
15	Bone mineral density measurements in vertebral specimens and phantoms using dual-layer spectral computed tomography. <i>Scientific Reports</i> , 2017, 7, 17519.	1.6	32
16	Evaluation of MR-derived CT-like images and simulated radiographs compared to conventional radiography in patients with benign and malignant bone tumors. <i>European Radiology</i> , 2019, 29, 13-21.	2.3	32
17	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
18	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

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19	Longitudinal assessment of MRI in hip osteoarthritis using SHOMRI and correlation with clinical progression. <i>Seminars in Arthritis and Rheumatism</i> , 2016, 45, 648-655.	1.6	26
20	Cyclops lesions detected by MRI are frequent findings after ACL surgical reconstruction but do not impact clinical outcome over 2Âyears. <i>European Radiology</i> , 2017, 27, 3499-3508.	2.3	25
21	Association of diabetes mellitus and biochemical knee cartilage composition assessed by T₂ relaxation time measurements: Data from the osteoarthritis initiative. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 380-390.	1.9	25
22	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
23	Clinical Outcome Predicted by Collaterals Depends on Technical Success of Mechanical Thrombectomy in Middle Cerebral Artery Occlusion. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 801-808.	0.7	24
24	Weight loss regimen in obese and overweight individuals is associated with reduced cartilage degeneration: 96-month data from the Osteoarthritis Initiative. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 863-870.	0.6	23
25	Diagnostic accuracy of MRI with metal artifact reduction for the detection of periprosthetic joint infection and aseptic loosening of total hip arthroplasty. <i>European Journal of Radiology</i> , 2020, 131, 109253.	1.2	23
26	Mapping of cerebral metabolic rate of oxygen using dynamic susceptibility contrast and blood oxygen level dependent MR imaging in acute ischemic stroke. <i>Neuroradiology</i> , 2015, 57, 1253-1261.	1.1	22
27	Distinguishing Benign and Malignant Vertebral Fractures Using CT and MRI. <i>Seminars in Musculoskeletal Radiology</i> , 2016, 20, 345-352.	0.4	22
28	Can Signal Abnormalities Detected with MR Imaging in Knee Articular Cartilage Be Used to Predict Development of Morphologic Cartilage Defects? 48-Month Data from the Osteoarthritis Initiative. <i>Radiology</i> , 2016, 281, 158-167.	3.6	21
29	Evaluation of Chondrocalcinosis and Associated Knee Joint Degeneration Using MR Imaging: Data from the Osteoarthritis Initiative. <i>European Radiology</i> , 2017, 27, 2497-2506.	2.3	21
30	Hyperintense signal alteration in the suprapatellar fat pad on MRI is associated with degeneration of the patellofemoral joint over 48Âmonths: data from the Osteoarthritis Initiative. <i>Skeletal Radiology</i> , 2018, 47, 329-339.	1.2	21
31	Three-material decomposition with dual-layer spectral CT compared to MRI for the detection of bone marrow edema in patients with acute vertebral fractures. <i>Skeletal Radiology</i> , 2018, 47, 1533-1540.	1.2	21
32	Degeneration in ACL Injured Knees with and without Reconstruction in Relation to Muscle Size and Fat Contentâ€”Data from the Osteoarthritis Initiative. <i>PLoS ONE</i> , 2016, 11, e0166865.	1.1	20
33	On the sensitivity of quantitative susceptibility mapping for measuring trabecular bone density. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1739-1754.	1.9	20
34	MR Imaging of Individual Perfusion Reorganization Using Superselective Pseudocontinuous Arterial Spin-Labeling in Patients with Complex Extracranial Steno-Occlusive Disease. <i>American Journal of Neuroradiology</i> , 2017, 38, 703-711.	1.2	19
35	Prognostic Factors and Outcomes for Patients With Myxofibrosarcoma: A 13-Year Retrospective Evaluation. <i>Anticancer Research</i> , 2019, 39, 2985-2992.	0.5	19
36	Dual layer computed tomography: Reduction of metal artefacts from posterior spinal fusion using virtual monoenergetic imaging. <i>European Journal of Radiology</i> , 2018, 105, 195-203.	1.2	18

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37	DXA-equivalent quantification of bone mineral density using dual-layer spectral CT scout scans. <i>European Radiology</i> , 2019, 29, 4624-4634.	2.3	18
38	T2-relaxation time of cartilage repair tissue is associated with bone remodeling after spongiosa-augmented matrix-associated autologous chondrocyte implantation. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 90-98.	0.6	17
39	Quantitative 3-T Magnetic Resonance Imaging After Matrix-Associated Autologous Chondrocyte Implantation With Autologous Bone Grafting of the Knee: The Importance of Subchondral Bone Parameters. <i>American Journal of Sports Medicine</i> , 2021, 49, 476-486.	1.9	17
40	Opportunistic QCT Bone Mineral Density Measurements Predicting Osteoporotic Fractures: A Use Case in a Prospective Clinical Cohort. <i>Frontiers in Endocrinology</i> , 2020, 11, 586352.	1.5	16
41	Association of weight change with progression of meniscal intrasubstance degeneration over 48 months: Data from the Osteoarthritis Initiative. <i>European Radiology</i> , 2018, 28, 953-962.	2.3	15
42	Opportunistic osteoporosis screening: contrast-enhanced dual-layer spectral CT provides accurate measurements of vertebral bone mineral density. <i>European Radiology</i> , 2021, 31, 3147-3155.	2.3	15
43	Vertebral bone marrow T2* mapping using chemical shift encoding-based water-fat separation in the quantitative analysis of lumbar osteoporosis and osteoporotic fractures. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 3715-3725.	1.1	15
44	Measurements and Classifications in Spine Imaging. <i>Seminars in Musculoskeletal Radiology</i> , 2014, 18, 219-227.	0.4	14
45	Isotropic resolution diffusion tensor imaging of lumbosacral and sciatic nerves using a phase-corrected diffusion-prepared 3D turbo spin echo. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 609-618.	1.9	13
46	Assessment of paraspinal muscle characteristics, lumbar BMD, and their associations in routine multi-detector CT of patients with and without osteoporotic vertebral fractures. <i>European Journal of Radiology</i> , 2020, 125, 108867.	1.2	13
47	Trajectory correction based on the gradient impulse response function improves high-resolution UTE imaging of the musculoskeletal system. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2001-2015.	1.9	12
48	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
49	Natural evolution of popliteomeniscal fascicle tears over 2 years and its association with lateral articular knee cartilage degeneration in patients with traumatic anterior cruciate ligament tear. <i>European Radiology</i> , 2018, 28, 3542-3549.	2.3	11
50	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
51	Medial femur T ₂ scores predict the probability of knee structural worsening over 4-8 years: Data from the osteoarthritis initiative. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1128-1136.	1.9	10
52	Reliable semiquantitative whole-joint MRI score for the shoulder joint: The shoulder osteoarthritis severity (SOAS) score. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, e152-e163.	1.9	10
53	Assessment of vertebral fractures and edema of the thoracolumbar spine based on water-fat and susceptibility-weighted images derived from a single ultra-short echo time scan. <i>Magnetic Resonance in Medicine</i> , 2021, , .	1.9	10
54	Proton Density Fat-Fraction of Rotator Cuff Muscles Is Associated With Isometric Strength 10 Years After Rotator Cuff Repair: A Quantitative Magnetic Resonance Imaging Study of the Shoulder. <i>American Journal of Sports Medicine</i> , 2017, 45, 1990-1999.	1.9	9

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55	Clinical outcome prediction after thrombectomy of proximal middle cerebral artery occlusions by the appearance of lenticulostriate arteries on magnetic resonance angiography: A retrospective analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1911-1923.	2.4	9
56	Patellar instability MRI measurements are associated with knee joint degeneration after reconstruction of the medial patellofemoral ligament. <i>Skeletal Radiology</i> , 2022, 51, 535-547.	1.2	9
57	Development and evaluation of machine learning models based on X-ray radiomics for the classification and differentiation of malignant and benign bone tumors. <i>European Radiology</i> , 2022, 32, 6247-6257.	2.3	9
58	Computed Tomography and Magnetic Resonance Imaging Parameters Associated with Poor Clinical Outcome in Spondylodiscitis. <i>World Neurosurgery</i> , 2017, 104, 919-926.e2.	0.7	8
59	Diffusion tensor imaging and tractography for preoperative assessment of benign peripheral nerve sheath tumors. <i>European Journal of Radiology</i> , 2020, 129, 109110.	1.2	8
60	Soft tissue masses: distribution of entities and rate of malignancy in small lesions. <i>BMC Cancer</i> , 2021, 21, 93.	1.1	8
61	Pilot study to assess visualization and therapy of inflammatory mechanisms after vessel reopening in a mouse stroke model. <i>Scientific Reports</i> , 2018, 8, 745.	1.6	7
62	Longitudinal changes in subchondral bone structure as assessed with MRI are associated with functional outcome after high tibial osteotomy. <i>Journal of ISAKOS</i> , 2018, 3, 205-212.	1.1	5
63	Cartilage T ₂ Relaxation Times and Subchondral Trabecular Bone Parameters Predict Morphological Outcome After Matrix-Associated Autologous Chondrocyte Implantation With Autologous Bone Grafting. <i>American Journal of Sports Medicine</i> , 2020, 48, 3573-3585.	1.9	5
64	Oncological Outcome and Prognostic Factors of Surgery for Soft Tissue Sarcoma After Neoadjuvant or Adjuvant Radiation Therapy: A Retrospective Analysis over 15 Years. <i>Anticancer Research</i> , 2021, 41, 359-368.	0.5	5
65	Computed Tomography Findings Associated with Clinical Outcome After Dynamic Posterior Stabilization of the Lumbar Spine. <i>World Neurosurgery</i> , 2016, 93, 306-314.	0.7	4
66	Evolution of Intrameniscal Signal-Intensity Alterations Detected on MRI Over 24 Months in Patients With Traumatic Anterior Cruciate Ligament Tear. <i>American Journal of Roentgenology</i> , 2017, 208, 386-392.	1.0	4
67	Vertebrae, Vertebral End Plates, and Disks: Concepts and Specific Pathologies. <i>Seminars in Musculoskeletal Radiology</i> , 2019, 23, 489-496.	0.4	4
68	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
69	Spectral-detector based x-ray absorptiometry (SDXA): in-vivo bone mineral density measurements in patients with and without osteoporotic fractures. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 055021.	0.6	4
70	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
71	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
72	CT-like MR-derived Images for the Assessment of Craniosynostosis and other Pathologies of the Pediatric Skull. <i>Clinical Neuroradiology</i> , 2023, 33, 57-64.	1.0	4

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73	Cost-Effectiveness of Endovascular Thrombectomy in Childhood Stroke: An Analysis of the Save ChildS Study. <i>Journal of Stroke</i> , 2022, 24, 138-147.	1.4	3
74	Quantitative T2* mapping reveals early temporo-spatial dynamics in an ischemic stroke model. <i>Journal of Neuroscience Methods</i> , 2016, 259, 83-89.	1.3	2
75	Imaging of Osteoarthritis in Geriatric Patients. <i>Current Radiology Reports</i> , 2016, 4, 1.	0.4	2
76	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
77	Preoperative Evaluation of Myxofibrosarcoma: Prognostic Value and Reproducibility of Different Features on MRI. <i>Anticancer Research</i> , 2020, 40, 5793-5800.	0.5	2
78	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
79	Low-Dose Simulation and Sparse Sampling with Statistical Iterative Reconstruction: Dose Reduction in MDCT-Based Bone Mineral Density and Microstructure Assessment. <i>Seminars in Musculoskeletal Radiology</i> , 2017, 21, S1-S5.	0.4	0
80	Cartilage Repair Tissue Composition Assessed with 3-T MRI Correlates with Trabecular Bone Remodeling in Patients with Spongiosa-augmented Matrix-induced Autologous Chondrocyte Implantation. <i>Seminars in Musculoskeletal Radiology</i> , 2017, 21, S1-S5.	0.4	0
81	Calcium decomposition and phantomless bone mineral density measurements using dual-layer-based spectral computed tomography. , 2018, , .		0
82	MR-Derived CT-Like Images and Simulated Radiographs versus Conventional Radiography in Patients with Benign and Malignant Bone Tumors. <i>Seminars in Musculoskeletal Radiology</i> , 2018, 22, .	0.4	0
83	MR Imaging with Metal Artifact Reduction to Differentiate between Patients with and without Infected Total Hip Arthroplasty. <i>Seminars in Musculoskeletal Radiology</i> , 2018, 22, .	0.4	0
84	Accurate Opportunistic Vertebral Bone Mineral Density Measurements Based on Phantomless Routine Contrast-Enhanced Dual-Layer Spectral CT. <i>Seminars in Musculoskeletal Radiology</i> , 2019, 23, .	0.4	0
85	Quantitative 3-T MRI Outcome Evaluation after Spongiosa-augmented MACI at the Knee: The Importance of Subchondral Bone Parameters. <i>Seminars in Musculoskeletal Radiology</i> , 2020, 24, .	0.4	0
86	MR-derived CT-like Images for the Assessment of Acute Vertebral Fractures and Osseous Degenerative Changes in the Thoracolumbar Spine. , 2020, 24, .		0