

James W Mackay

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

815
citations

586496

16
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620720

26
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54
all docs

54
docs citations

54
times ranked

947
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Resonance Imagingâ€‘Defined Osteophyte Presence and Concomitant Cartilage Damage in Knees With Incident Tibiofemoral Osteoarthritis: Data From the Pivotal Osteoarthritis Initiative Magnetic Resonance Imaging Analyses Study. <i>Arthritis Care and Research</i> , 2022, 74, 1513-1519.	1.5	3
2	Knee joint distraction results in MRI cartilage thickness increase up to 10 years after treatment. <i>Rheumatology</i> , 2022, 61, 974-982.	0.9	18
3	Imaging of Synovial Inflammation in Osteoarthritis, From the <i>AJR</i> Special Series on Inflammation. <i>American Journal of Roentgenology</i> , 2022, 218, 405-417.	1.0	13
4	Gadoliniumâ€‘free assessment of synovitis using diffusion tensor imaging. <i>NMR in Biomedicine</i> , 2022, 35, e4614.	1.6	9
5	Machine Learning for Workflow Applications in Screening Mammography: Systematic Review and Meta-Analysis. <i>Radiology</i> , 2022, 302, 88-104.	3.6	56
6	Subchondral bone changes after joint distraction treatment for end stage knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2022, 30, 965-972.	0.6	9
7	Segmentation of knee MRI data with convolutional neural networks for semi-automated three-dimensional surface-based analysis of cartilage morphology and composition. <i>Osteoarthritis Imaging</i> , 2022, 2, 100010.	0.3	6
8	A novel approach to studying early knee osteoarthritis illustrates that bilateral medial tibiofemoral osteoarthritis is a heritable phenotype: an offspring study. <i>Rheumatology International</i> , 2022, 42, 1063-1072.	1.5	2
9	Multiparametric 3-D analysis of bone and joint space width at the knee from weight bearing computed tomography. <i>Osteoarthritis Imaging</i> , 2022, 2, 100069.	0.3	6
10	Improving the quantitative classification of Erlenmeyer flask deformities. <i>Skeletal Radiology</i> , 2021, 50, 361-369.	1.2	3
11	Editorial for â€œ<sc>Nearâ€‘Silent</sc> and <sc>Distortionâ€‘Free</sc> Diffusion <sc>MRI</sc> in Pediatric Musculoskeletal Pathology: Comparison With Echo Planar Imaging Diffusionâ€‘. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 514-515.	1.9	1
12	Axial presentation of reactive arthritis secondary to COVID-19 infection. <i>Rheumatology</i> , 2021, 60, e232-e233.	0.9	29
13	Dynamic contrast-enhanced MRI of synovitis in knee osteoarthritis: repeatability, discrimination and sensitivity to change in a prospective experimental study. <i>European Radiology</i> , 2021, 31, 5746-5758.	2.3	12
14	Binder use obscures traumatic pelvic injury in a 29-year-old man. <i>Cmaj</i> , 2021, 193, E216-E216.	0.9	2
15	Non-contrast MRI of synovitis in the knee using quantitative DESS. <i>European Radiology</i> , 2021, 31, 9369-9379.	2.3	9
16	Quantitative Three-dimensional Assessment of Knee Joint Space Width from Weight-bearing CT. <i>Radiology</i> , 2021, 299, 649-659.	3.6	16
17	Teriparatide and stress fracture healing in young adults (RETURN â€‘ Research on Efficacy of Tj ETQq1 1 0.784314 rgBT /Overlock 10 controlled trial. <i>Trials</i> , 2021, 22, 580.	0.7	6
18	Quantitative analysis of the ACL and PCL using T1rho and T2 relaxation time mapping: an exploratory, cross-sectional comparison between OA and healthy control knees. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 916.	0.8	5

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19	The prevalence of femoroacetabular impingement anatomy in Division 1 aquatic athletes who tread water. <i>Journal of Hip Preservation Surgery</i> , 2020, 7, 233-241.	0.6	6
20	Testicular vasculitis: a diagnostic conundrum. <i>Oxford Medical Case Reports</i> , 2020, 2020, omaa028.	0.2	2
21	The optimisation of deep neural networks for segmenting multiple knee joint tissues from MRIs. <i>Computerized Medical Imaging and Graphics</i> , 2020, 86, 101793.	3.5	21
22	Standardized multi-vendor compositional MRI of knee cartilage: a key step towards clinical translation?. <i>Osteoarthritis and Cartilage</i> , 2020, 28, 1497-1500.	0.6	3
23	Editorial for "Diffusion Tensor Imaging for Quantitative Assessment of Anterior Cruciate Ligament Injury Grades and Graft". <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 1485-1486.	1.9	0
24	Effectively Measuring Exercise-Related Variations in T1 ρ and T2 ρ Relaxation Times of Healthy Articular Cartilage. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 1753-1764.	1.9	9
25	Risk factors and the natural history of accelerated knee osteoarthritis: a narrative review. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 332.	0.8	81
26	Composite quantitative knee structure metrics predict the development of accelerated knee osteoarthritis: data from the osteoarthritis initiative. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 299.	0.8	7
27	Dynamic contrast-enhanced computed tomography for the diagnosis of solitary pulmonary nodules: a systematic review and meta-analysis. <i>European Radiology</i> , 2020, 30, 3310-3323.	2.3	10
28	Three-Dimensional Surface-Based Analysis of Cartilage MRI Data in Knee Osteoarthritis: Validation and Initial Clinical Application. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 1139-1151.	1.9	15
29	Ultra Short Echo Time MRI of Iron-Labelled Mesenchymal Stem Cells in an Ovine Osteochondral Defect Model. <i>Scientific Reports</i> , 2020, 10, 8451.	1.6	13
30	Role of Magnetic Resonance Imaging in Classifying Individuals Who Will Develop Accelerated Radiographic Knee Osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2019, 37, 2420-2428.	1.2	7
31	Accelerated knee osteoarthritis is associated with pre-radiographic degeneration of the extensor mechanism and cruciate ligaments: data from the Osteoarthritis Initiative. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 308.	0.8	7
32	Primary care referral for knee MRI in the United Kingdom: Association with demography and subsequent surgical intervention. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, e176-e182.	1.9	0
33	Early pre-radiographic structural pathology precedes the onset of accelerated knee osteoarthritis. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 241.	0.8	29
34	Accelerated Knee Osteoarthritis Is Characterized by Destabilizing Meniscal Tears and Preradiographic Structural Disease Burden. <i>Arthritis and Rheumatology</i> , 2019, 71, 1089-1100.	2.9	34
35	Effusion-synovitis and infrapatellar fat pad signal intensity alteration differentiate accelerated knee osteoarthritis. <i>Rheumatology</i> , 2019, 58, 418-426.	0.9	40
36	Diffuse tibiofemoral cartilage change prior to the development of accelerated knee osteoarthritis: Data from the osteoarthritis initiative. <i>Clinical Anatomy</i> , 2019, 32, 369-378.	1.5	6

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37	Characterizing the distinct structural changes associated with self-reported knee injury among individuals with incident knee osteoarthritis: Data from the osteoarthritis initiative. <i>Clinical Anatomy</i> , 2018, 31, 330-334.	1.5	7
38	Association of subchondral bone texture on magnetic resonance imaging with radiographic knee osteoarthritis progression: data from the Osteoarthritis Initiative Bone Ancillary Study. <i>European Radiology</i> , 2018, 28, 4687-4695.	2.3	34
39	Systematic review and meta-analysis of the reliability and discriminative validity of cartilage compositional MRI in knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2018, 26, 1140-1152.	0.6	89
40	Subchondral bone in osteoarthritis: association between MRI texture analysis and histomorphometry. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 700-707.	0.6	27
41	Ultrashort TE evaluation of the osteochondral junction <i>in vivo</i> : a feasibility study. <i>British Journal of Radiology</i> , 2016, 89, 20150493.	1.0	7
42	Quantitative analysis of tibial subchondral bone: Texture analysis outperforms conventional trabecular microarchitecture analysis. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 1159-1170.	1.9	19
43	MRI texture analysis of subchondral bone at the tibial plateau. <i>European Radiology</i> , 2016, 26, 3034-3045.	2.3	21
44	Correlation between clinical and MRI disease activity scores in axial spondyloarthritis. <i>Clinical Rheumatology</i> , 2015, 34, 1633-1638.	1.0	33
45	MRI signal-based quantification of subchondral bone at the tibial plateau: a population study. <i>Skeletal Radiology</i> , 2014, 43, 1567-1575.	1.2	5
46	Radiological evidence for the triple bundle anterior cruciate ligament. <i>Clinical Anatomy</i> , 2014, 27, 1097-1102.	1.5	12
47	It's a CIN: preventing contrast induced nephropathy in CT. <i>Clinical Radiology</i> , 2013, 68, S10.	0.5	0
48	Rapidly progressive pulmonary haemorrhage in a case of microscopic polyangiitis. <i>BMJ Case Reports</i> , 2011, 2011, bcr0620114336-bcr0620114336.	0.2	1
49	Familial ovarian malignancy. <i>British Journal of Hospital Medicine</i> , 2000, 61, 528-531.	0.3	0
50	The psychological consequences of offering mutation searching in the family for those at risk of hereditary breast and ovarian cancer? a pilot study. <i>Psycho-Oncology</i> , 2000, 9, 537-548.	1.0	34
51	The psychological consequences of offering mutation searching in the family for those at risk of hereditary breast and ovarian cancer? a pilot study. <i>Psycho-Oncology</i> , 2000, 9, 537-548.	1.0	3
52	Evaluation of questionnaire on cancer family history in identifying patients at increased genetic risk in general practice. <i>BMJ: British Medical Journal</i> , 1999, 319, 757-758.	2.4	27
53	BRCA1 gene testing for breast and ovarian cancer in one family. <i>British Journal of Nursing</i> , 1998, 7, 1386-1392.	0.3	0