

# James W Mackay

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

815  
citations

516681

16  
h-index

552766

26  
g-index

54  
all docs

54  
docs citations

54  
times ranked

892  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.3	89
2	Risk factors and the natural history of accelerated knee osteoarthritis: a narrative review. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 332.	1.9	81
3	Machine Learning for Workflow Applications in Screening Mammography: Systematic Review and Meta-Analysis. <i>Radiology</i> , 2022, 302, 88-104.	7.3	56
4	Effusion-synovitis and infrapatellar fat pad signal intensity alteration differentiate accelerated knee osteoarthritis. <i>Rheumatology</i> , 2019, 58, 418-426.	1.9	40
5	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.	2.3	34
6	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.	4.5	34
7	Accelerated Knee Osteoarthritis Is Characterized by Destabilizing Meniscal Tears and Preradiographic Structural Disease Burden. <i>Arthritis and Rheumatology</i> , 2019, 71, 1089-1100.	5.6	34
8	Correlation between clinical and MRI disease activity scores in axial spondyloarthritis. <i>Clinical Rheumatology</i> , 2015, 34, 1633-1638.	2.2	33
9	Early pre-radiographic structural pathology precedes the onset of accelerated knee osteoarthritis. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 241.	1.9	29
10	Axial presentation of reactive arthritis secondary to COVID-19 infection. <i>Rheumatology</i> , 2021, 60, e232-e233.	1.9	29
11	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.	2.3	27
12	Subchondral bone in osteoarthritis: association between MRI texture analysis and histomorphometry. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 700-707.	1.3	27
13	MRI texture analysis of subchondral bone at the tibial plateau. <i>European Radiology</i> , 2016, 26, 3034-3045.	4.5	21
14	The optimisation of deep neural networks for segmenting multiple knee joint tissues from MRIs. <i>Computerized Medical Imaging and Graphics</i> , 2020, 86, 101793.	5.8	21
15	Quantitative analysis of tibial subchondral bone: Texture analysis outperforms conventional trabecular microarchitecture analysis. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 1159-1170.	3.4	19
16	Knee joint distraction results in MRI cartilage thickness increase up to 10 years after treatment. <i>Rheumatology</i> , 2022, 61, 974-982.	1.9	18
17	Quantitative Three-dimensional Assessment of Knee Joint Space Width from Weight-bearing CT. <i>Radiology</i> , 2021, 299, 649-659.	7.3	16
18	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.	3.4	15

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19	Imaging of Synovial Inflammation in Osteoarthritis, From the <i>AJR</i> Special Series on Inflammation. American Journal of Roentgenology, 2022, 218, 405-417.	2.2	13
20	Ultra Short Echo Time MRI of Iron-Labelled Mesenchymal Stem Cells in an Ovine Osteochondral Defect Model. Scientific Reports, 2020, 10, 8451.	3.3	13
21	Radiological evidence for the triple bundle anterior cruciate ligament. Clinical Anatomy, 2014, 27, 1097-1102.	2.7	12
22	Dynamic contrast-enhanced MRI of synovitis in knee osteoarthritis: repeatability, discrimination and sensitivity to change in a prospective experimental study. European Radiology, 2021, 31, 5746-5758.	4.5	12
23	Dynamic contrast-enhanced computed tomography for the diagnosis of solitary pulmonary nodules: a systematic review and meta-analysis. European Radiology, 2020, 30, 3310-3323.	4.5	10
24	Effectively Measuring Exercise-Related Variations in T1 $\rho$ and T2 Relaxation Times of Healthy Articular Cartilage. Journal of Magnetic Resonance Imaging, 2020, 52, 1753-1764.	3.4	9
25	Non-contrast MRI of synovitis in the knee using quantitative DESS. European Radiology, 2021, 31, 9369-9379.	4.5	9
26	Gadolinium-free assessment of synovitis using diffusion tensor imaging. NMR in Biomedicine, 2022, 35, e4614.	2.8	9
27	Subchondral bone changes after joint distraction treatment for end stage knee osteoarthritis. Osteoarthritis and Cartilage, 2022, 30, 965-972.	1.3	9
28	Ultrashort TE evaluation of the osteochondral junction <i>in vivo</i>: a feasibility study. British Journal of Radiology, 2016, 89, 20150493.	2.2	7
29	Characterizing the distinct structural changes associated with self-reported knee injury among individuals with incident knee osteoarthritis: Data from the osteoarthritis initiative. Clinical Anatomy, 2018, 31, 330-334.	2.7	7
30	Role of Magnetic Resonance Imaging in Classifying Individuals Who Will Develop Accelerated Radiographic Knee Osteoarthritis. Journal of Orthopaedic Research, 2019, 37, 2420-2428.	2.3	7
31	Accelerated knee osteoarthritis is associated with pre-radiographic degeneration of the extensor mechanism and cruciate ligaments: data from the Osteoarthritis Initiative. BMC Musculoskeletal Disorders, 2019, 20, 308.	1.9	7
32	Composite quantitative knee structure metrics predict the development of accelerated knee osteoarthritis: data from the osteoarthritis initiative. BMC Musculoskeletal Disorders, 2020, 21, 299.	1.9	7
33	Diffuse tibiofemoral cartilage change prior to the development of accelerated knee osteoarthritis: Data from the osteoarthritis initiative. Clinical Anatomy, 2019, 32, 369-378.	2.7	6
34	The prevalence of femoroacetabular impingement anatomy in Division 1 aquatic athletes who tread water. Journal of Hip Preservation Surgery, 2020, 7, 233-241.	1.3	6
35	Teriparatide and stress fracture healing in young adults (RETURN - Research on Efficacy of Tj ETQq1 1 0.784314 rgBT /Overlock 10 controlled trial. Trials, 2021, 22, 580.	1.6	6
36	Segmentation of knee MRI data with convolutional neural networks for semi-automated three-dimensional surface-based analysis of cartilage morphology and composition. Osteoarthritis Imaging, 2022, 2, 100010.	0.4	6

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37	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.	0.4	6
38	MRI signal-based quantification of subchondral bone at the tibial plateau: a population study. <i>Skeletal Radiology</i> , 2014, 43, 1567-1575.	2.0	5
39	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.	1.9	5
40	Standardized multi-vendor compositional MRI of knee cartilage: a key step towards clinical translation?. <i>Osteoarthritis and Cartilage</i> , 2020, 28, 1497-1500.	1.3	3
41	Improving the quantitative classification of Erlenmeyer flask deformities. <i>Skeletal Radiology</i> , 2021, 50, 361-369.	2.0	3
42	Magnetic Resonance Imagingâ€œDefined 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.	3.4	3
43	The psychological consequences of offering mutation searching in the family for those at risk of hereditary breast and ovarian cancerâ€œa pilot study. <i>Psycho-Oncology</i> , 2000, 9, 537-548.	2.3	3
44	Testicular vasculitis: a diagnostic conundrum. <i>Oxford Medical Case Reports</i> , 2020, 2020, omaa028.	0.4	2
45	Binder use obscures traumatic pelvic injury in a 29-year-old man. <i>Cmaj</i> , 2021, 193, E216-E216.	2.0	2
46	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.	3.0	2
47	Rapidly progressive pulmonary haemorrhage in a case of microscopic polyangiitis. <i>BMJ Case Reports</i> , 2011, 2011, bcr0620114336-bcr0620114336.	0.5	1
48	Editorial for â€œNearâ€œSilentâ€œ and â€œDistortionâ€œFreeâ€œ Diffusion <i>MRI</i> in Pediatric Musculoskeletal Pathology: Comparison With Echo Planar Imaging Diffusionâ€œ <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 514-515.	3.4	1
49	BRCA1 gene testing for breast and ovarian cancer in one family. <i>British Journal of Nursing</i> , 1998, 7, 1386-1392.	0.7	0
50	Familial ovarian malignancy. <i>British Journal of Hospital Medicine</i> , 2000, 61, 528-531.	0.2	0
51	It's a CIN: preventing contrast induced nephropathy in CT. <i>Clinical Radiology</i> , 2013, 68, S10.	1.1	0
52	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.	3.4	0
53	Editorial for â€œDiffusion Tensor Imaging for Quantitative Assessment of Anterior Cruciate Ligament Injury Grades and Craftâ€œ <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 1485-1486.	3.4	0