Patrick Omoumi

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Presence of Magnetic Resonance Imaging–Defined Inflammation Particularly in Overweight and Obese Women Increases Risk of Radiographic Knee Osteoarthritis: The POMA Study. Arthritis Care and Research, 2022, 74, 1391-1398.	3.4	10
2	An Expert-Supervised Registration Method for Multiparameter Description of the Knee Joint Using Serial Imaging. Journal of Clinical Medicine, 2022, 11, 548.	2.4	0
3	Transtubular image-guided surgery for spinal intradural lesions: techniques, results, and complications in a consecutive series of 60 patients. Journal of Neurosurgery: Spine, 2022, , 1-9.	1.7	4
4	Case Report: Tyrosine Kinase Inhibitors Induced Lymphadenopathy in Desmoid Tumor Patients. Frontiers in Endocrinology, 2022, 13, 794512.	3.5	1
5	The Dixon method in musculoskeletal MRI: from fat-sensitive to fat-specific imaging. Skeletal Radiology, 2022, 51, 1365-1369.	2.0	17
6	MRI signal and morphological alterations of the suprapatellar fat pad in asymptomatic subjects: are these normal variants?. Skeletal Radiology, 2022, 51, 1995-2007.	2.0	2
7	Fibrin deposition associates with cartilage degeneration in arthritis. EBioMedicine, 2022, 81, 104081.	6.1	6
8	Practical ultrasonographic technique to precisely identify and differentiate tendons and ligaments of the elbow at the level of the humeral epicondyles: anatomical study. Skeletal Radiology, 2021, 50, 1369-1377.	2.0	5
9	Interobserver reliability of the Tile classification system for pelvic fractures among radiologists and surgeons. European Radiology, 2021, 31, 1517-1525.	4.5	14
10	Multi-energy photon-counting computed tomography versus other clinical imaging techniques for the identification of articular calcium crystal deposition. Rheumatology, 2021, 60, 2483-2485.	1.9	20
11	Longitudinal Femoral Cartilage T2 Relaxation Time and Thickness Changes with Fast Sequential Radiographic Progression of Medial Knee Osteoarthritis—Data from the Osteoarthritis Initiative (OAI). Journal of Clinical Medicine, 2021, 10, 1294.	2.4	3
12	Ossification of the acetabular rim: a highly prevalent finding in asymptomatic non-osteoarthritic hips of all ages. European Radiology, 2021, 31, 6802-6809.	4.5	6
13	To buy or not to buy—evaluating commercial AI solutions in radiology (the ECLAIR guidelines). European Radiology, 2021, 31, 3786-3796.	4.5	92
14	Differentiation between benign and malignant vertebral compression fractures using qualitative and quantitative analysis of a single fast spin echo T2-weighted Dixon sequence. European Radiology, 2021, 31, 9418-9427.	4.5	13
15	Interdisciplinary consensus statements on imaging of scapholunate joint instability. European Radiology, 2021, 31, 9446-9458.	4.5	16
16	Intraosseous lipomas originating from simple bone cysts. Skeletal Radiology, 2021, 50, 2129-2129.	2.0	1
17	Bone Cuts Accuracy of a System for Total Knee Arthroplasty including an Active Robotic Arm. Journal of Clinical Medicine, 2021, 10, 3714.	2.4	3
18	Proximal tibial osteophyte volumes are correlated spatially and with knee alignment: A quantitative analysis suggesting the influence of biochemical and mechanical factors in the development of osteophytes. Osteoarthritis and Cartilage, 2021, , .	1.3	4

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19	Three-Dimensional Quantification of Bone Mineral Density in the Distal Femur and Proximal Tibia Based on Computed Tomography: In Vitro Evaluation of an Extended Standardization Method. Journal of Clinical Medicine, 2021, 10, 160.	2.4	3
20	A Registration Method for Three-Dimensional Analysis of Bone Mineral Density in the Proximal Tibia. Journal of Biomechanical Engineering, 2021, 143, .	1.3	3
21	How to show that a new imaging method can replace a standard method, when no reference standard is available?. European Radiology, 2021, , 1.	4.5	2
22	State of the Art: Imaging of Osteoarthritis—Revisited 2020. Radiology, 2020, 296, 5-21.	7.3	96
23	Imaging assessment of children presenting with suspected or known juvenile idiopathic arthritis: ESSR-ESPR points to consider. European Radiology, 2020, 30, 5237-5249.	4.5	39
24	Applied machine learning and artificial intelligence in rheumatology. Rheumatology Advances in Practice, 2020, 4, rkaa005.	0.7	78
25	New insight on the subchondral bone and cartilage functional unit: Bone mineral density and cartilage thickness are spatially correlated in non-osteoarthritic femoral condyles. Osteoarthritis and Cartilage Open, 2020, 2, 100079.	2.0	4
26	Quantification in Musculoskeletal Imaging Using Computational Analysis and Machine Learning: Segmentation and Radiomics. Seminars in Musculoskeletal Radiology, 2020, 24, 50-64.	0.7	21
27	Oncological outcome, functional results and costs after unplanned excision of musculoskeletal soft tissue sarcoma. European Journal of Surgical Oncology, 2020, 46, 898-904.	1.0	13
28	MRI of non-specific low back pain and/or lumbar radiculopathy: do we need T1 when using a sagittal T2-weighted Dixon sequence?. European Radiology, 2020, 30, 2583-2593.	4.5	32
29	The Value of Quantitative Musculoskeletal Imaging. Seminars in Musculoskeletal Radiology, 2020, 24, 460-474.	0.7	5
30	Conventional Radiography of the Hip Revisited. Magnetic Resonance Imaging Clinics of North America, 2019, 27, 661-683.	1.1	4
31	MRI T2 Mapping of the Knee Providing Synthetic Morphologic Images: Comparison to Conventional Turbo Spin-Echo MRI. Radiology, 2019, 293, 620-630.	7.3	31
32	T2 relaxation time in femoral cartilage changes with radiographic progression of medial knee OA – data from the osteoarthritis initiative. Osteoarthritis and Cartilage, 2019, 27, S364.	1.3	0
33	Comparison of bone lesion distribution between prostate cancer and multiple myeloma with whole-body MRI. Diagnostic and Interventional Imaging, 2019, 100, 295-302.	3.2	8
34	Improved contrast for myeloma focal lesions with T2-weighted Dixon images compared to T1-weighted images. Diagnostic and Interventional Imaging, 2019, 100, 513-519.	3.2	20
35	Artificial Intelligence in Musculoskeletal Imaging: Review of Current Literature, Challenges, and Trends. Seminars in Musculoskeletal Radiology, 2019, 23, 304-311.	0.7	51
36	Comprehensive description of T2 value spatial variations in non-osteoarthritic femoral cartilage using three-dimensional registration of morphological and relaxometry data. Knee, 2019, 26, 555-563.	1.6	3

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37	Optimizing radiation dose parameters in MDCT arthrography of the shoulder: illustration of basic concepts in a cadaveric study. Skeletal Radiology, 2019, 48, 1261-1268.	2.0	3
38	Whole-body MRI to assess bone involvement in prostate cancer and multiple myeloma: comparison of the diagnostic accuracies of the T1, short tau inversion recovery (STIR), and high b-values diffusion-weighted imaging (DWI) sequences. European Radiology, 2019, 29, 4503-4513.	4.5	43
39	Relationships between cartilage thickness and subchondral bone mineral density in non-osteoarthritic and severely osteoarthritic knees: InÂvivo concomitant 3D analysis using CT arthrography. Osteoarthritis and Cartilage, 2019, 27, 621-629.	1.3	22
40	Simultaneous fatâ€free isotropic 3D anatomical imaging and T ₂ mapping of knee cartilage with lipidâ€insensitive binomial offâ€resonant RF excitation (LIBRE) pulses. Journal of Magnetic Resonance Imaging, 2019, 49, 1275-1284.	3.4	11
41	Cartilage can be thicker in advanced osteoarthritic knees: a tridimensional quantitative analysis of cartilage thickness at posterior aspect of femoral condyles. British Journal of Radiology, 2018, 91, 20170729.	2.2	8
42	Can we assess healing of surgically treated long bone fractures on radiograph?. Diagnostic and Interventional Imaging, 2018, 99, 381-386.	3.2	10
43	Isotropic threeâ€dimensional <i>T</i> ₂ mapping of knee cartilage: Development and validation. Journal of Magnetic Resonance Imaging, 2018, 47, 362-371.	3.4	21
44	Bone Marrow Metastases: T2-weighted Dixon Spin-Echo Fat Images Can Replace T1-weighted Spin-Echo Images. Radiology, 2018, 286, 948-959.	7.3	82
45	Value of a radiographic score for the assessment of healing of nailed femoral and tibial shaft fractures: A retrospective preliminary study. European Journal of Radiology, 2018, 98, 36-40.	2.6	17
46	Spatial variations in non-osteoarthritic tibial cartilage T2 relaxation time and cartilage thickness. Osteoarthritis and Cartilage, 2018, 26, S462-S463.	1.3	0
47	Modeling knee osteoarthritis pathophysiology using an integrated joint system (IJS): a systematic review of relationships among cartilage thickness, gait mechanics, and subchondral bone mineral density. Osteoarthritis and Cartilage, 2018, 26, 1425-1437.	1.3	27
48	Subchondral bone/cartilage: a functional unit? Bone density and cartilage thickness are positively correlated in non osteoarthritic and negatively correlated in osteoarthritic knees - a combined 3D analysis using ct arthrography. Osteoarthritis and Cartilage, 2018, 26, S80.	1.3	0
49	Dimensional changes of cervical and lumbar bony spinal canals in one generation in Western Switzerland: a computed tomography study. European Spine Journal, 2017, 26, 345-352.	2.2	2
50	Altered gait mechanics and elevated serum pro-inflammatory cytokines in asymptomatic patients with MRI evidence of knee cartilage loss. Osteoarthritis and Cartilage, 2017, 25, 899-906.	1.3	16
51	Multirater agreement for grading the femoral and tibial cartilage surface lesions at CT arthrography and analysis of causes of disagreement. European Journal of Radiology, 2017, 88, 95-101.	2.6	15
52	CT arthrography of adhesive capsulitis of the shoulder: Are MR signs applicable?. European Journal of Radiology Open, 2017, 4, 40-44.	1.6	5
53	Hip Imaging: Normal Variants and Asymptomatic Findings. Seminars in Musculoskeletal Radiology, 2017, 21, 507-517.	0.7	10
54	T2 Relaxation Time Varies Within the Load-Bearing Regions of Non-OA Femoral Cartilage. Osteoarthritis and Cartilage, 2017, 25, S249-S250.	1.3	0

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55	Quantitative regional and sub-regional analysis of femoral and tibial subchondral bone mineral density (sBMD) using computed tomography (CT): comparison of non-osteoarthritic (OA) and severe OA knees. Osteoarthritis and Cartilage, 2017, 25, 1850-1857.	1.3	18
56	Selective microvascular muscle perfusion imaging in the shoulder with intravoxel incoherent motion (IVIM). Magnetic Resonance Imaging, 2017, 35, 91-97.	1.8	19
57	Dualâ€Energy Computed Tomography–Based Molecular Imaging of Cholesterol Deposits in Achilles Tendon Xanthomatosis. Arthritis and Rheumatology, 2016, 68, 1687-1687.	5.6	0
58	Rare carpometacarpal dislocations. Orthopaedics and Traumatology: Surgery and Research, 2016, 102, 813-816.	2.0	12
59	L'IRM chez les patients souffrant de pubalgie chroniqueÂ: est-ce un outil utile pour le chirurgienÂ? Étude cas-témoin. Revue De Chirurgie Orthopedique Et Traumatologique, 2016, 102, 546-553.	0.0	0
60	Les luxations rares des os du carpe. Revue De Chirurgie Orthopedique Et Traumatologique, 2016, 102, 593-596.	0.0	0
61	MRI in patients with chronic pubalgia: Is precise useful information provided to the surgeon? A case-control study. Orthopaedics and Traumatology: Surgery and Research, 2016, 102, 747-754.	2.0	9
62	Axial Traction During Direct Wrist MR Arthrography Helps Better Assess Articular Cartilage and Intrinsic Ligaments but Has Limited Value for Detection and Characterization of Triangular Fibrocartilage Complex Injuries. American Journal of Roentgenology, 2016, 207, W42-W42.	2.2	0
63	Imaging in Gout and Other Crystal-Related Arthropathies. Rheumatic Disease Clinics of North America, 2016, 42, 621-644.	1.9	43
64	Average cartilage thickness is associated with gait mechanics and systemic inflammation in asymptomatic knees with imaging evidence of structural cartilage defects. Osteoarthritis and Cartilage, 2016, 24, S97-S98.	1.3	0
65	Isotropic three-dimensional T2 mapping of knee cartilage with T2-prepared segmented gradient ECHO at 3T. Osteoarthritis and Cartilage, 2016, 24, S300-S301.	1.3	0
66	Buy one, get two for free: simultaneous knee T2 mapping and morphological analysis on synthetic images using grappatini. Osteoarthritis and Cartilage, 2016, 24, S301-S302.	1.3	0
67	Application of intravoxel incoherent motion perfusion imaging to shoulder muscles after a liftâ€off test of varying duration. NMR in Biomedicine, 2016, 29, 66-73.	2.8	28
68	Dislocation of the Shoulder Joint – Radiographic Analysis of Osseous Abnormalities. Journal of the Belgian Society of Radiology, 2016, 100, 89.	0.2	5
69	Advanced Imaging of Glenohumeral Instability: It May Be Less Complicated than It Seems. Journal of the Belgian Society of Radiology, 2016, 100, 97.	0.2	4
70	Fat Suppression with Dixon Techniques in Musculoskeletal Magnetic Resonance Imaging: A Pictorial Review. Seminars in Musculoskeletal Radiology, 2015, 19, 335-347.	0.7	82
71	A prospective evaluation of ultrasound as a diagnostic tool in acute microcrystalline arthritis. Arthritis Research and Therapy, 2015, 17, 188.	3.5	38
72	The Increasing Spectrum of Indications of Whole-Body MRI Beyond Oncology: Imaging Answers to Clinical Needs. Seminars in Musculoskeletal Radiology, 2015, 19, 348-362.	0.7	17

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73	Update on Advances in Musculoskeletal Magnetic Resonance Imaging. Seminars in Musculoskeletal Radiology, 2015, 19, 319-320.	0.7	1
74	Self-resolving focal non-ossifying myositis: a poorly known clinical and imaging entity diagnosed with MRI. Acta Radiologica Open, 2015, 4, 205846011560615.	0.6	1
75	Diagnostic performance of CT-arthrography and 1.5T MR-arthrography for the assessment of glenohumeral joint cartilage: a comparative study with arthroscopic correlation. European Radiology, 2015, 25, 961-969.	4.5	47
76	Dual-Energy CT: Basic Principles, Technical Approaches, and Applications in Musculoskeletal Imaging (Part 2). Seminars in Musculoskeletal Radiology, 2015, 19, 438-445.	0.7	42
77	Advances in Musculoskeletal Computed Tomography and Tumor Imaging. Seminars in Musculoskeletal Radiology, 2015, 19, 413-413.	0.7	Ο
78	Optimization of Radiation Dose and Image Quality in Musculoskeletal CT: Emphasis on Iterative Reconstruction Techniques (Part 2). Seminars in Musculoskeletal Radiology, 2015, 19, 422-430.	0.7	18
79	Optimization of Radiation Dose and Image Quality in Musculoskeletal CT: Emphasis on Iterative Reconstruction Techniques (Part 1). Seminars in Musculoskeletal Radiology, 2015, 19, 415-421.	0.7	18
80	Dual-Energy CT: Basic Principles, Technical Approaches, and Applications in Musculoskeletal Imaging (Part 1). Seminars in Musculoskeletal Radiology, 2015, 19, 431-437.	0.7	61
81	Osteoarthritis and scapholunate instability in chondrocalcinosis. Diagnostic and Interventional Imaging, 2015, 96, 115-119.	3.2	3
82	Adverse tissue reaction to corrosion at the neck-stem junction after modular primary total hip arthroplasty. Orthopaedics and Traumatology: Surgery and Research, 2015, 101, 123-126.	2.0	20
83	Réaction tissulaire à la corrosion de la jonction col-tige d'une prothèse modulaire de hanche de première intention. Revue De Chirurgie Orthopedique Et Traumatologique, 2015, 101, 92.	0.0	Ο
84	Cartilage thickness at the posterior medial femoral condyle is increased in femorotibial knee osteoarthritis: a cross-sectional CT arthrography study (Part 2). Osteoarthritis and Cartilage, 2015, 23, 224-231.	1.3	30
85	Diffusion-weighted MR imaging in musculoskeletal diseases: Current concepts. Diagnostic and Interventional Imaging, 2015, 96, 327-340.	3.2	39
86	Multirater agreement for grading the femoral and tibial cartilage surface lesions at CT arthrography and analysis of causes of errors. Osteoarthritis and Cartilage, 2015, 23, A244.	1.3	0
87	Asymptomatic subjects with MRI-based indications of knee OA have altered gait mechanics. Osteoarthritis and Cartilage, 2015, 23, A105-A106.	1.3	Ο
88	Eosinophilic fasciitis: Typical abnormalities, variants and differential diagnosis of fasciae abnormalities using MR imaging. Diagnostic and Interventional Imaging, 2015, 96, 341-348.	3.2	34
89	Intraosseous migration of tendinous calcifications: cortical erosions, subcortical migration and extensive intramedullary diffusion, a SIMS series. Skeletal Radiology, 2015, 44, 1403-1412.	2.0	53
90	Whole-Body 3D T1-weighted MR Imaging in Patients with Prostate Cancer: Feasibility and Evaluation in Screening for Metastatic Disease. Radiology, 2015, 275, 155-166.	7.3	71

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91	Anatomical distribution of areas of preserved cartilage in advanced femorotibial osteoarthritis using CT arthrography (Part 1). Osteoarthritis and Cartilage, 2015, 23, 83-87.	1.3	21
92	Tendinopathie d'origine médicamenteuseÂ: de la physiologie à l'application clinique. Revue Du Rhumatisme (Edition Francaise), 2015, 82, 18-24.	0.0	2
93	Epiphyseal "systemic―osteonecrosis of humeral head. Journal of the Belgian Society of Radiology, 2015, 97, 48.	0.2	Ο
94	Bilateral elastofibroma dorsi: typical CT and MRI features. Journal of the Belgian Society of Radiology, 2015, 97, 45.	0.2	1
95	Angioleiomyoma of the elbow. Journal of the Belgian Society of Radiology, 2015, 97, 124.	0.2	0
96	Delayed onset muscle soreness. Journal of the Belgian Society of Radiology, 2015, 97, 313.	0.3	0
97	Gaucher disease presenting with vertebral compression fractures and vertebral osteonecrosis. Journal of the Belgian Society of Radiology, 2015, 98, 50.	0.2	0
98	Low-dose multidetector computed tomography of the cervical spine: optimization of iterative reconstruction strength levels. Acta Radiologica, 2014, 55, 335-344.	1.1	25
99	Knee osteoarthritis: cartilage at the posterior aspect of the medial femoral condyle is thicker in OA. Osteoarthritis and Cartilage, 2014, 22, S280.	1.3	1
100	Wrist pain. Diagnostic and Interventional Imaging, 2014, 95, 1121-1122.	3.2	2
101	Wear patterns in anteromedial osteoarthritis of the knee evaluated with CT-arthrography. Knee, 2014, 21, S15-S19.	1.6	10
102	Drug-induced tendinopathy: From physiology to clinical applications. Joint Bone Spine, 2014, 81, 485-492.	1.6	72
103	Femoroacetabular impingement: normal values of the quantitative morphometric parameters in asymptomatic hips. European Radiology, 2014, 24, 1707-1714.	4.5	39
104	Anatomic Features Associated With Femoroacetabular Impingement Are Equally Common in Hips of Old and Young Asymptomatic Individuals Without CT Signs of Osteoarthritis. American Journal of Roentgenology, 2014, 202, 1078-1086.	2.2	26
105	Spinal and sacroiliac gouty arthritis: report of a case and review of the literature. Acta Radiologica Short Reports, 2014, 3, 204798161454926.	0.7	16
106	Computed tomography of the cervical spine: comparison of image quality between a standard-dose and a low-dose protocol using filtered back-projection and iterative reconstruction. Skeletal Radiology, 2013, 42, 937-945.	2.0	51
107	Necrotizing fasciitis: Contribution and limitations of diagnostic imaging. Joint Bone Spine, 2013, 80, 146-154.	1.6	97
108	Cartilaginous tumours and calcified lesions of the hand: A pictorial review. Diagnostic and Interventional Imaging, 2013, 94, 395-409.	3.2	14

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109	MRI for response assessment in metastatic bone disease. European Radiology, 2013, 23, 1986-1997.	4.5	87
110	Direct MR arthrography of the shoulder under axial traction: Feasibility study to evaluate the superior labrumâ€biceps tendon complex and articular cartilage. Journal of Magnetic Resonance Imaging, 2013, 37, 1228-1233.	3.4	21
111	Dorsal Fractures of the Triquetrum: MRI Findings With an Emphasis on Dorsal Carpal Ligament Injuries. American Journal of Roentgenology, 2013, 200, 608-617.	2.2	30
112	Lumbar Pain with Intracranial Origin. Acta Radiologica, 2013, 54, 324-326.	1.1	3
113	Metabolic Bone Disease II. , 2013, , 106-116.		0
114	Meniscal Calcifications: Morphologic and Quantitative Evaluation by using 2D Inversion-Recovery Ultrashort Echo Time and 3D Ultrashort Echo Time 3.0-T MR Imaging Techniques—Feasibility Study. Radiology, 2012, 264, 260-268.	7.3	29
115	Nontraumatic Subarachnoid Hemorrhage Management: Evaluation with Reduced Iodine Volume at CT Angiography. Radiology, 2012, 264, 203-209.	7.3	12
116	Evaluation of Rotator Cuff Tendon Tears: Comparison of Multidetector CT Arthrography and 1.5-T MR Arthrography. Radiology, 2012, 264, 812-822.	7.3	60
117	Voriconazoleâ€induced periostitis deformans. Arthritis and Rheumatism, 2012, 64, 3490-3490.	6.7	22
118	Osteomyelitis pubis caused by Kingella kingaein an adult patient: Report of the first case. BMC Infectious Diseases, 2012, 12, 236.	2.9	14
119	Can Whole-body Magnetic Resonance Imaging with Diffusion-weighted Imaging Replace Tc 99m Bone Scanning and Computed Tomography for Single-step Detection of Metastases in Patients with High-risk Prostate Cancer?. European Urology, 2012, 62, 68-75.	1.9	257
120	Ultrasound assessment of the lateral collateral ligamentous complex of the elbow: imaging aspects in cadavers and normal volunteers. European Radiology, 2011, 21, 1492-1498.	4.5	37
121	High-resolution ultrasound evaluation of the trapeziometacarpal joint with emphasis on the anterior oblique ligament (beak ligament). Skeletal Radiology, 2011, 40, 897-904.	2.0	14
122	Presumed intraarticular gas microbubbles resulting from a vacuum phenomenon: visualization with ultrasonography as hyperechoic microfoci. Skeletal Radiology, 2011, 40, 1287-1293.	2.0	19
123	Glenohumeral joint instability. Journal of Magnetic Resonance Imaging, 2011, 33, 2-16.	3.4	30
124	Value of CT Arthrography in the Assessment of Cartilage Pathology. , 2011, , 37-48.		3
125	Pseudotumoral ganglion cyst of a finger with unexpected remote origin: multimodality imaging. Skeletal Radiology, 2010, 39, 375-379.	2.0	10
126	Value of computed tomography arthrography with delayed acquisitions in the work-up of ganglion cysts of the tarsal tunnel: report of three cases. Skeletal Radiology, 2010, 39, 381-386.	2.0	25

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127	Diffusion-weighted MR Imaging: Adjunct or Alternative to T1-weighted MR Imaging for Prostate Carcinoma Bone Metastases?. Radiology, 2009, 252, 624-624.	7.3	28
128	CT Arthrography, MR Arthrography, PET, and Scintigraphy in Osteoarthritis. Radiologic Clinics of North America, 2009, 47, 595-615.	1.8	78
129	Imaging of Lower Limb Cartilage. Topics in Magnetic Resonance Imaging, 2009, 20, 189-201.	1.2	8