Fiona J Gilbert

List of Publications by Year
in descending order

168 papers	12,499 citations	34105 52 h-index	26613 107 g-index
175 all docs	175 docs citations	175 times ranked	14427 citing authors

#	Article	IF	Citations
1	International evaluation of an AI system for breast cancer screening. Nature, 2020, 577, 89-94.	27.8	1,458
2	Magnetic resonance imaging of the breast: Recommendations from the EUSOMA working group. European Journal of Cancer, 2010, 46, 1296-1316.	2.8	813
3	Imaging biomarker roadmap for cancer studies. Nature Reviews Clinical Oncology, 2017, 14, 169-186.	27.6	792
4	Neoadjuvant Chemotherapy in Breast Cancer: Significantly Enhanced Response With Docetaxel. Journal of Clinical Oncology, 2002, 20, 1456-1466.	1.6	641
5	Positron Emission Tomography Using [¹⁸F]-Fluorodeoxy-<scp>d</scp>-Glucose to Predict the Pathologic Response of Breast Cancer to Primary Chemotherapy. Journal of Clinical Oncology, 2000, 18, 1676-1688.	1.6	401
6	Breast MRI: EUSOBI recommendations for womenâ€™s information. European Radiology, 2015, 25, 3669-3678.	4.5	330
7	Germline BRCA mutation and outcome in young-onset breast cancer (POSH): a prospective cohort study. Lancet Oncology, The, 2018, 19, 169-180.	10.7	316
8	Federated learning for predicting clinical outcomes in patients with COVID-19. Nature Medicine, 2021, 27, 1735-1743.	30.7	300
9	Prevention and screening in BRCA mutation carriers and other breast/ovarian hereditary cancer syndromes: ESMO Clinical Practice Guidelines for cancer prevention and screening. Annals of Oncology, 2016, 27, v103-v110.	1.2	292
10	Imaging tumour hypoxia with positron emission tomography. British Journal of Cancer, 2015, 112, 238-250.	6.4	272
11	Diffusion-weighted imaging of the breastâ€”a consensus and mission statement from the EUSOBI International Breast Diffusion-Weighted Imaging working group. European Radiology, 2020, 30, 1436-1450.	4.5	255
12	Single Reading with Computer-Aided Detection for Screening Mammography. New England Journal of Medicine, 2008, 359, 1675-1684.	27.0	251
13	Diffusion-weighted magnetic resonance imaging in the early detection of response to chemoradiation in cervical cancer. Gynecologic Oncology, 2008, 111, 213-220.	1.4	217
14	Cost-effectiveness and Benefit-to-Harm Ratio of Risk-Stratified Screening for Breast Cancer. JAMA Oncology, 2018, 4, 1504.	7.1	199
15	Effect of audit and feedback, and reminder messages on primary-care radiology referrals: a randomised trial. Lancet, The, 2001, 357, 1406-1409.	13.7	191
16	Artificial intelligence in breast imaging. Clinical Radiology, 2019, 74, 357-366.	1.1	171
17	Accuracy of Digital Breast Tomosynthesis for Depicting Breast Cancer Subgroups in a UK Retrospective Reading Study (TOMMY Trial). Radiology, 2015, 277, 697-706.	7.3	149
18	Use of new imaging techniques to predict tumour response to therapy. Lancet Oncology, The, 2010, 11, 92-102.	10.7	146

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19	The TOMMY trial: a comparison of TOMosynthesis with digital MammographY in the UK NHS Breast Screening Programme â€“ a multicentre retrospective reading study comparing the diagnostic performance of digital breast tomosynthesis and digital mammography with digital mammography alone. Health Technology Assessment, 2015, 19, 1-136.	2.8	146
20	Low Back Pain: Influence of Early MR Imaging or CT on Treatment and Outcomeâ€"Multicenter Randomized Trial. Radiology, 2004, 231, 343-351.	7.3	140
21	The Royal College of Radiologists Breast Group breast imaging classification. Clinical Radiology, 2009, 64, 624-627.	1.1	139
22	Imaging breast cancer using hyperpolarized carbon-13 MRI. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2092-2098.	7.1	138
23	Breast cancer screening in women with extremely dense breasts recommendations of the European Society of Breast Imaging (EUSOBI). European Radiology, 2022, 32, 4036-4045.	4.5	137
24	Position paper on screening for breast cancer by the European Society of Breast Imaging (EUSOBI) and 30 national breast radiology bodies from Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Israel, Lithuania, Moldova, The Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Spain, Sweden, Switzerland and Turkey. European Radiology, 2017, 27, 2737-2743.	4.5	136
25	Digital breast tomosynthesis (DBT): a review of the evidence for use as a screening tool. Clinical Radiology, 2016, 71, 141-150.	1.1	127
26	Cost-effectiveness of screening with contrast enhanced magnetic resonance imaging vs X-ray mammography of women at a high familial risk of breast cancer. British Journal of Cancer, 2006, 95, 801-810.	6.4	113
27	Accuracy of T1 measurement in dynamic contrast-enhanced breast MRI using two- and three-dimensional variable flip angle fast low-angle shot. Journal of Magnetic Resonance Imaging, 1999, 9, 163-171.	3.4	110
28	Monitoring primary breast cancer throughout chemotherapy using FDG-PET. Breast Cancer Research and Treatment, 2007, 102, 75-84.	2.5	108
29	The relationship between vascular and metabolic characteristics of primary breast tumours. European Radiology, 2004, 14, 2038-2045.	4.5	104
30	Reading Protocol for Dynamic Contrast-enhanced MR Images of the Breast: Sensitivity and Specificity Analysis. Radiology, 2005, 236, 779-788.	7.3	99
31	BRCA1 Mutation and Young Age Predict Fast Breast Cancer Growth in the Dutch, United Kingdom, and Canadian Magnetic Resonance Imaging Screening Trials. Clinical Cancer Research, 2007, 13, 7357-7362.	7.0	97
32	Image-guided breast biopsy and localisation: recommendations for information to women and referring physicians by the European Society of Breast Imaging. Insights Into Imaging, 2020, 11, 12.	3.4	96
33	Breast ultrasound: recommendations for information to women and referring physicians by the European Society of Breast Imaging. Insights Into Imaging, 2018, 9, 449-461.	3.4	95
34	Computer-aided detection in mammography. Clinical Radiology, 2004, 59, 390-399.	1.1	93
35	Single Reading with Computer-aided Detection and Double Reading of Screening Mammograms in the United Kingdom National Breast Screening Program. Radiology, 2006, 241, 47-53.	7.3	90
36	Systematic review and meta-analysis of the reliability and discriminative validity of cartilage compositional MRI in knee osteoarthritis. Osteoarthritis and Cartilage, 2018, 26, 1140-1152.	1.3	89

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37	Evidence-based radiology: why and how?. European Radiology, 2010, 20, 1-15.	4.5	88
38	The role of ultrasound in the detection of non-radiopaque foreign bodies. Clinical Radiology, 1990, 41, 109-112.	1.1	85
39	Oxygen Enhanced Optoacoustic Tomography (OE-OT) Reveals Vascular Dynamics in Murine Models of Prostate Cancer. Theranostics, 2017, 7, 2900-2913.	10.0	83
40	Differences in Natural History between Breast Cancers in BRCA1 and BRCA2 Mutation Carriers and Effects of MRI Screening-MRISC, MARIBS, and Canadian Studies Combined. Cancer Epidemiology Biomarkers and Prevention, 2012, 21, 1458-1468.	2.5	79
41	A Meta-analysis of the Diagnostic Performance of Diffusion MRI for Breast Lesion Characterization. Radiology, 2019, 291, 632-641.	7.3	71
42	Sodium homeostasis in the tumour microenvironment. Biochimica Et Biophysica Acta: Reviews on Cancer, 2019, 1872, 188304.	7.4	69
43	Early diffusion weighted magnetic resonance imaging can predict survival in women with locally advanced cancer of the cervix treated with combined chemo-radiation. European Radiology, 2012, 22, 2319-2327.	4.5	68
44	Cancers inBRCA1andBRCA2Carriers and in Women at High Risk for Breast Cancer: MR Imaging and Mammographic Features. Radiology, 2009, 252, 358-368.	7.3	67
45	In vivo proton magnetic resonance spectroscopy of breast cancer: a review of the literature. Breast Cancer Research, 2012, 14, 207.	5.0	66
46	A longitudinal MRI study of muscle atrophy during lower leg immobilization following ankle fracture. Journal of Magnetic Resonance Imaging, 2012, 35, 686-695.	3.4	65
47	B₁ transmissionâ€field inhomogeneity and enhancement ratio errors in dynamic contrastâ€enhanced MRI (DCEâ€MRI) of the breast at 3T. Journal of Magnetic Resonance Imaging, 2010, 31, 234-239.	3.4	62
48	Tumour expression of leptin is associated with chemotherapy resistance and therapy-independent prognosis in gastro-oesophageal adenocarcinomas. British Journal of Cancer, 2014, 110, 1525-1534.	6.4	56
49	Improving Workflow Efficiency for Mammography Using Machine Learning. Journal of the American College of Radiology, 2020, 17, 56-63.	1.8	56
50	Machine Learning for Workflow Applications in Screening Mammography: Systematic Review and Meta-Analysis. Radiology, 2022, 302, 88-104.	7.3	56
51	Effects of Mailed Dissemination of the Royal College of Radiologists' Guidelines on General Practitioner Referrals for Radiography: A Time Series Analysis. Clinical Radiology, 2002, 57, 575-578.	1.1	55
52	Multicenter, Double-Blind, Randomized, Intraindividual Crossover Comparison of Gadobenate Dimeglumine and Gadopentetate Dimeglumine for Breast MR Imaging (DETECT Trial). Radiology, 2011, 258, 396-408.	7.3	55
53	A Combined Pharmacokinetic and Radiologic Assessment of Dynamic Contrast-Enhanced Magnetic Resonance Imaging Predicts Response to Chemoradiation in Locally Advanced Cervical Cancer. International Journal of Radiation Oncology Biology Physics, 2009, 75, 611-617.	0.8	54
54	Mammographic density and breast cancer risk in breast screening assessment cases and women with a family history of breast cancer. European Journal of Cancer, 2018, 88, 48-56.	2.8	53

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55	Metformin and contrast media â€" A dangerous combination?. Clinical Radiology, 1999, 54, 29-33.	1.1	52
56	Influence of Imaging on Clinical Decision Making in the Treatment of Lower Back Pain. Radiology, 2001, 220, 393-399.	7.3	52
57	Baseline results from the UK SIGNIFY study: a whole-body MRI screening study in TP53 mutation carriers and matched controls. Familial Cancer, 2017, 16, 433-440.	1.9	52
58	The effect of axial load on the sagittal plane curvature of the upright human spine in vivo. Journal of Biomechanics, 2008, 41, 2850-2854.	2.1	51
59	Assessment of early treatment response to neoadjuvant chemotherapy in breast cancer using non-mono-exponential diffusion models: a feasibility study comparing the baseline and mid-treatment MRI examinations. European Radiology, 2017, 27, 2726-2736.	4.5	51
60	Axillary lymphadenopathy at the time of COVID-19 vaccination: ten recommendations from the European Society of Breast Imaging (EUSOBI). Insights Into Imaging, 2021, 12, 119.	3.4	51
61	Adoption of artificial intelligence in breast imaging: evaluation, ethical constraints and limitations. British Journal of Cancer, 2021, 125, 15-22.	6.4	50
62	Research Misconduct. Clinical Radiology, 2003, 58, 499-504.	1.1	48
63	The intrinsic shape of the human lumbar spine in the supine, standing and sitting postures: characterization using an active shape model. Journal of Anatomy, 2009, 215, 206-211.	1.5	47
64	Endoscopic palliative treatment for esophageal and gastric cancer: techniques, complications, and survival in a population-based cohort of 948 patients. Surgical Endoscopy and Other Interventional Techniques, 2004, 18, 1257-1262.	2.4	45
65	Incident round cancers: What lessons can we learn?. Clinical Radiology, 1998, 53, 29-32.	1.1	44
66	Visually assessed breast density, breast cancer risk and the importance of the craniocaudal view. Breast Cancer Research, 2008, 10, R64.	5.0	44
67	Mammographic Breast Density: Comparison of Methods for Quantitative Evaluation. Radiology, 2015, 275, 356-365.	7.3	44
68	Surveillance mammography for detecting ipsilateral breast tumour recurrence and metachronous contralateral breast cancer: a systematic review. European Radiology, 2011, 21, 2484-2491.	4.5	42
69	Is computer aided detection (CAD) cost effective in screening mammography? A model based on the CADET II study. BMC Health Services Research, 2011, 11, 11.	2.2	42
70	Hyperpolarized ¹³C MRI of Tumor Metabolism Demonstrates Early Metabolic Response to Neoadjuvant Chemotherapy in Breast Cancer. Radiology Imaging Cancer, 2020, 2, e200017.	1.6	40
71	Can radiologists detect osteopenia on plain radiographs?. Clinical Radiology, 1994, 49, 118-122.	1.1	39
72	The measurement of fetal liver T â^— 2 in utero before and after maternal oxygen breathing: progress towards a non-invasive measurement of fetal oxygenation and placental function. Magnetic Resonance Imaging, 2001, 19, 921-928.	1.8	39

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73	Characterizing the Shape of the Lumbar Spine Using an Active Shape Model. Spine, 2008, 33, 807-813.	2.0	36
74	Association of subchondral bone texture on magnetic resonance imaging with radiographic knee osteoarthritis progression: data from the Osteoarthritis Initiative Bone Ancillary Study. European Radiology, 2018, 28, 4687-4695.	4.5	34
75	Effect of population-based screening on breast cancer mortality. Lancet, The, 2011, 378, 1775-1776.	13.7	32
76	Hypoxia and perfusion in breast cancer: simultaneous assessment using PET/MR imaging. European Radiology, 2021, 31, 333-344.	4.5	32
77	What is achieved by mammographic surveillance after breast conservation treatment for breast cancer?. American Journal of Surgery, 2001, 182, 207-210.	1.8	31
78	Improving magnetic resonance imaging (MRI) examinations: Development and evaluation of an intervention to reduce movement in scanners and facilitate scan completion. British Journal of Health Psychology, 2015, 20, 449-465.	3.5	30
79	Magnetic resonance imaging before breast cancer surgery: results of an observational multicenter international prospective analysisÂ(MIPA). European Radiology, 2022, 32, 1611-1623.	4.5	30
80	Evaluation of a Prospective Scoring System Designed for a Multicenter Breast MR Imaging Screening Study. Radiology, 2006, 239, 677-685.	7.3	29
81	APRIL is a novel clinical chemo-resistance biomarker in colorectal adenocarcinoma identified by gene expression profiling. BMC Cancer, 2009, 9, 434.	2.6	27
82	Mammographic Features of Breast Cancers at Single Reading with Computer-aided Detection and at Double Reading in a Large Multicenter Prospective Trial of Computer-aided Detection: CADET II. Radiology, 2010, 256, 379-386.	7.3	26
83	Assessing robustness of carotid artery CT angiography radiomics in the identification of culprit lesions in cerebrovascular events. Scientific Reports, 2021, 11, 3499.	3.3	26
84	Improving Breast Screening Uptake: Persuading Initial Non-Attenders to Attend. Journal of Medical Screening, 1994, 1, 199-202.	2.3	25
85	Hyperpolarized Carbon-13 MRI for Early Response Assessment of Neoadjuvant Chemotherapy in Breast Cancer Patients. Cancer Research, 2021, 81, 6004-6017.	0.9	25
86	Dietary supplementation with L-arginine in patients with breast cancer (> 4 cm) receiving multimodality treatment: report of a feasibility study. British Journal of Cancer, 1994, 69, 918-921.	6.4	24
87	Improving response rates using a monetary incentive for patient completion of questionnaires: an observational study. BMC Medical Research Methodology, 2007, 7, 12.	3.1	24
88	Does Reader Performance with Digital Breast Tomosynthesis Vary according to Experience with Two-dimensional Mammography?. Radiology, 2017, 283, 371-380.	7.3	24
89	Diagnosis and Staging of Breast Cancer: When and How to Use Mammography, Tomosynthesis, Ultrasound, Contrast-Enhanced Mammography, and Magnetic Resonance Imaging. IDKD Springer Series, 2019, , 155-166.	0.8	24
90	The DAMASK trial protocol: a pragmatic randomised trial to evaluate whether GPs should have direct access to MRI for patients with suspected internal derangement of the knee. BMC Health Services Research, 2006, 6, 133.	2.2	22

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91	Magnetic Resonance Imaging in Gynecological Oncology. International Journal of Gynecological Cancer, 2009, 19, 186-193.	2.5	22
92	Targeted Molecular Imaging in Adrenal Diseaseâ€"An Emerging Role for Metomidate PET-CT. Diagnostics, 2016, 6, 42.	2.6	21
93	The optimisation of deep neural networks for segmenting multiple knee joint tissues from MRIs. Computerized Medical Imaging and Graphics, 2020, 86, 101793.	5.8	21
94	The Effects of Humming and Pitch on Craniofacial and Craniocervical Morphology Measured Using MRI. Journal of Voice, 2012, 26, 90-101.	1.5	19
95	3D MRI Analysis of the Lower Legs of Treated Idiopathic Congenital Talipes Equinovarus (Clubfoot). PLoS ONE, 2013, 8, e54100.	2.5	18
96	Solving the preoperative breast MRI conundrum: design and protocol of the MIPA study. European Radiology, 2020, 30, 5427-5436.	4.5	18
97	The diagnostic acceptability of lowbandwidth transmission for tele-ultrasound. Journal of Telemedicine and Telecare, 2000, 6, 335-338.	2.7	17
98	A Comparison of Digital and Screen-Film Mammography using Quality Control Phantoms. Clinical Radiology, 2000, 55, 782-790.	1.1	17
99	Predicting the Response of Advanced Cervical and Ovarian Tumors to Therapy. Obstetrical and Gynecological Survey, 2009, 64, 548-560.	0.4	17
100	Recommendations for measurement of tumour vascularity with positron emission tomography in early phase clinical trials. European Radiology, 2012, 22, 1465-1478.	4.5	17
101	Effect of Radiofrequency Transmit Field Correction on Quantitative Dynamic Contrast-enhanced MR Imaging of the Breast at 3.0 T. Radiology, 2016, 279, 368-377.	7.3	17
102	Measuring tissue sodium concentration: Crossâ€vendor repeatability and reproducibility of ²³Naâ€MRI across two sites. Journal of Magnetic Resonance Imaging, 2019, 50, 1278-1284.	3.4	17
103	A test of performance of breast MRI interpretation in a multicentre screening study. Magnetic Resonance Imaging, 2006, 24, 917-929.	1.8	16
104	Breast MRI in DCIS size estimation, breast-conserving surgery and oncoplastic breast surgery. Cancer Treatment Reviews, 2021, 94, 102158.	7.7	16
105	Relationships Between Vocal Structures, the Airway, and Craniocervical Posture Investigated Using Magnetic Resonance Imaging. Journal of Voice, 2012, 26, 102-109.	1.5	15
106	Using Active Shape Modeling Based on MRI to Study Morphologic and Pitch-Related Functional Changes Affecting Vocal Structures and the Airway. Journal of Voice, 2014, 28, 554-564.	1.5	15
107	Psychosocial effects of whole-body MRI screening in adult high-risk pathogenic TP53 mutation carriers: a case-controlled study (SIGNIFY). Journal of Medical Genetics, 2020, 57, 226-236.	3.2	15
108	Threeâ€Dimensional Surfaceâ€Based Analysis of Cartilage MRI Data in Knee Osteoarthritis: Validation and Initial Clinical Application. Journal of Magnetic Resonance Imaging, 2020, 52, 1139-1151.	3.4	15

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109	Improving the image quality of DWI in breast cancer: comparison of multi-shot DWI using multiplexed sensitivity encoding to conventional single-shot echo-planar imaging DWI. British Journal of Radiology, 2021, 94, 20200427.	2.2	14
110	A survey by the European Society of Breast Imaging on the implementation of breast diffusion-weighted imaging in clinical practice. European Radiology, 2022, 32, 6588-6597.	4.5	14
111	Changes in foetal liver T2* measurements by MRI in response to maternal oxygen breathing: application to diagnosing foetal growth restriction. Physiological Measurement, 2010, 31, 1137-1146.	2.1	13
112	Development and experience of quality control methods for digital breast tomosynthesis systems. British Journal of Radiology, 2015, 88, 20150324.	2.2	13
113	Dynamic contrast enhanced CT in nodule characterization: How we review and report. Cancer Imaging, 2016, 16, 16.	2.8	13
114	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
115	Sodium accumulation in breast cancer predicts malignancy and treatment response. British Journal of Cancer, 2022, 127, 337-349.	6.4	13
116	Magnetic resonance fingerprinting of the pancreas at 1.5ÂT and 3.0ÂT. Scientific Reports, 2020, 10, 17563.	3.3	12
117	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
118	Renal Carcinomas Missed by Urography. British Journal of Urology, 1989, 63, 457-459.	0.1	11
119	Opportunities for PET to deliver clinical benefit in cancer: breast cancer as a paradigm. Cancer Imaging, 2010, 10, 144-152.	2.8	11
120	Diagnosis of avascular necrosis of the femoral head in patients treated for lymphoma. Hematological Oncology, 1995, 13, 131-137.	1.7	10
121	Low-bandwidth tele-ultrasound. Journal of Telemedicine and Telecare, 1999, 5, 75-76.	2.7	10
122	Dynamic contrastâ€“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
123	Impact of solitary pulmonary nodule size on qualitative and quantitative assessment using 18F-fluorodeoxyglucose PET/CT: the SPUTNIK trial. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1560-1569.	6.4	10
124	Correlation of MRI/PET rim enhancement in breast cancer: a delivery related phenomenon with therapy implications?. Lancet Oncology, The, 2003, 4, 759.	10.7	9
125	Breast cancer screening in high risk women. Cancer Imaging, 2008, 8, S6-S9.	2.8	9
126	Participants' preference for type of leaflet used to feed back the results of a randomised trial: a survey. Trials, 2010, 11, 116.	1.6	9

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127	Effectively Measuring Exerciseâ€Related Variations in T1Ï•and <scp>T2</scp> Relaxation Times of Healthy Articular Cartilage. Journal of Magnetic Resonance Imaging, 2020, 52, 1753-1764.	3.4	9
128	Bone metastasis from epithelial ovarian carcinoma. Lancet Oncology, The, 2002, 3, 513.	10.7	8
129	Variable size computer-aided detection prompts and mammography film reader decisions. Breast Cancer Research, 2008, 10, R72.	5.0	8
130	Optoacoustic Imaging Detects Hormone-Related Physiological Changes of Breast Parenchyma. Ultraschall in Der Medizin, 2019, 40, 757-763.	1.5	8
131	Choice of contrast enhancement index for dynamic magnetic resonance mammography. Magnetic Resonance Imaging, 1996, 14, 1023-1031.	1.8	7
132	Using postal randomization to replace telephone randomization had no significant effect on recruitment of patients. Journal of Clinical Epidemiology, 2007, 60, 1046-1051.	5.0	7
133	Comparison of gadobenate dimeglumine-enhanced breast MRI and gadopentetate dimeglumine-enhanced breast MRI with mammography and ultrasound for the detection of breast cancer. Journal of Magnetic Resonance Imaging, 2014, 39, 1272-1286.	3.4	7
134	Digital breast tomosynthesis at screening assessment: are two views always necessary?. British Journal of Radiology, 2015, 88, 20150353.	2.2	7
135	Automated Breast Ultrasound: Technical Aspects, Impact on Breast Screening, and Future Perspectives. Current Breast Cancer Reports, 2021, 13, 141-150.	1.0	7
136	MRI and the distribution of bone marrow fat in hip osteoarthritis. Journal of Magnetic Resonance Imaging, 2017, 45, 42-50.	3.4	6
137	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
138	Positron emission tomography radiopharmaceutical studies in humans. Nuclear Medicine Communications, 2012, 33, 899-906.	1.1	5
139	Assessment of the apparent diffusion coefficient (ADC) of normal breast tissue during the menstrual cycle at 3T using image segmentation. European Journal of Radiology, 2012, 81, S1-S3.	2.6	5
140	Standardising measurement of tumour vascularity by imaging: recommendations for ultrasound, computed tomography, magnetic resonance imaging and positron emission tomography. European Radiology, 2012, 22, 1427-1429.	4.5	5
141	Quantification techniques to minimize the effects of native T₁ variation and B₁ inhomogeneity in dynamic contrastâ€enhanced MRI of the breast at 3 T. Magnetic Resonance in Medicine, 2012, 67, 531-540.	3.0	5
142	A comparison of image interpretation times in full field digital mammography and digital breast tomosynthesis. , 2013, , .		5
143	A longitudinal study of muscle rehabilitation in the lower leg after cast removal using magnetic resonance imaging and strength assessment. International Biomechanics, 2015, 2, 101-112.	1.0	5
144	The emerging role of cell surface receptor and protein binding radiopharmaceuticals in cancer diagnostics and therapy. Nuclear Medicine and Biology, 2021, 92, 53-64.	0.6	5

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145	Combined ²³Na and ¹³C imaging at 3.0ÂTesla using a singleâ€tuned large FOV birdcage coil. Magnetic Resonance in Medicine, 2021, 86, 1734-1745.	3.0	5
146	Dynamic contrast-enhanced MRI in cancer. Imaging in Medicine, 2009, 1, 173-186.	0.0	5
147	Increasing participant recruitment into large-scale screening trials: experience from the CADET II study. Journal of Medical Screening, 2009, 16, 180-185.	2.3	4
148	Positron emission tomography oncology research in the UK. Nuclear Medicine Communications, 2012, 33, 341-348.	1.1	4
149	Age-related changes in the effects of strength training on lower leg muscles in healthy individuals measured using MRI. BMJ Open Sport and Exercise Medicine, 2017, 3, e000249.	2.9	4
150	Patient Specific Dose Calculation Using Volumetric Breast Density for Mammography and Tomosynthesis. Lecture Notes in Computer Science, 2014, , 158-165.	1.3	4
151	Comparative accuracy and cost-effectiveness of dynamic contrast-enhanced CT and positron emission tomography in the characterisation of solitary pulmonary nodules. Thorax, 2022, 77, 988-996.	5.6	4
152	Detecting gasâ€induced vasomotor changes via blood oxygenation levelâ€dependent contrast in healthy breast parenchyma and breast carcinoma. Journal of Magnetic Resonance Imaging, 2016, 44, 335-345.	3.4	3
153	Inflammatory breast cancer-importance of breast imaging. European Journal of Surgical Oncology, 2018, 44, 1135-1138.	1.0	3
154	Mammography Reading with Computer-Aided Detection (CAD): Performance of Different Readers. Lecture Notes in Computer Science, 2006, , 97-104.	1.3	3
155	Development of a Quality Control Protocol for Digital Breast Tomosynthesis Systems in the TOMMY Trial. Lecture Notes in Computer Science, 2012, , 330-337.	1.3	3
156	Validation of a new fully automated software for 2D digital mammographic breast density evaluation in predicting breast cancer risk. Scientific Reports, 2021, 11, 19884.	3.3	3
157	Third molar development in a London population of White British and Black British or other Black ethnicity. Journal of Forensic Sciences, 2022, 67, 229-242.	1.6	3
158	Does pre-operative breast MRI have an impact on surgical outcomes in high-grade DCIS?. British Journal of Radiology, 2022, 95, .	2.2	3
159	Biliary tract dilatation without jaundice demonstrated by ultrasound. Clinical Radiology, 1985, 36, 197-198.	1.1	1
160	<title>Reduction of movement artifacts in comparative 3D magnetic resonance (MR) breast imaging</title>. , 1996, , .		1
161	Building PET research collaborations. Nuclear Medicine Communications, 2012, 33, 1-3.	1.1	1
162	Impact of physiological noise correction on detecting blood oxygenation level-dependent contrast in the breast. Physics in Medicine and Biology, 2017, 62, 127-145.	3.0	1

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163	Triage of 2D Mammographic Images Using Multi-view Multi-task Convolutional Neural Networks. ACM Transactions on Computing for Healthcare, 2021, 2, 1-24.	5.0	1
164	Subsequent bilateral occurrence of fibrous breast tumors. European Journal of Radiology, 1991, 13, 235.	2.6	0
165	Evaluation of CAD in the NHSBSP screening programme. International Congress Series, 2005, 1281, 1025-1029.	0.2	0
166	Breast magnetic resonance imaging. , 2010, , 191-217.		0
167	A method for exploratory repeated-measures analysis applied to a breast-cancer screening study. Annals of Applied Statistics, 2011, 5, .	1.1	0
168	Dynamic contrast-enhanced CT compared with positron emission tomography CT to characterise solitary pulmonary nodules: the SPUtNIk diagnostic accuracy study and economic modelling. Health Technology Assessment, 2022, 26, 1-180.	2.8	0