

Anwar R Padhani

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268
papers

21,193
citations

78
h-index

139
g-index

295
ext. papers

24,540
ext. citations

6.8
avg. IF

6.81
L-index

#	Paper	IF	Citations
268	Diffusion-weighted magnetic resonance imaging as a cancer biomarker: consensus and recommendations. <i>Neoplasia</i> , 2009 , 11, 102-25	6.4	1462
267	Screening with magnetic resonance imaging and mammography of a UK population at high familial risk of breast cancer: a prospective multicentre cohort study (MARIBS). <i>Lancet, The</i> , 2005 , 365, 1769-78	4.0	786
266	Prostate Imaging Reporting and Data System Version 2.1: 2019 Update of Prostate Imaging Reporting and Data System Version 2. <i>European Urology</i> , 2019 , 76, 340-351	10.2	576
265	Magnetic resonance imaging for the detection, localisation, and characterisation of prostate cancer: recommendations from a European consensus meeting. <i>European Urology</i> , 2011 , 59, 477-94	10.2	537
264	Imaging biomarker roadmap for cancer studies. <i>Nature Reviews Clinical Oncology</i> , 2017 , 14, 169-186	19.4	532
263	Hypoxia: importance in tumor biology, noninvasive measurement by imaging, and value of its measurement in the management of cancer therapy. <i>International Journal of Radiation Biology</i> , 2006 , 82, 699-757	2.9	506
262	The assessment of antiangiogenic and antivascular therapies in early-stage clinical trials using magnetic resonance imaging: issues and recommendations. <i>British Journal of Cancer</i> , 2005 , 92, 1599-610	8.7	443
261	Diffusion MRI for prediction of response of rectal cancer to chemoradiation. <i>Lancet, The</i> , 2002 , 360, 307-8	4.0	392
260	Dynamic contrast-enhanced MRI in clinical oncology: current status and future directions. <i>Journal of Magnetic Resonance Imaging</i> , 2002 , 16, 407-22	5.6	367
259	Management of Patients with Advanced Prostate Cancer: The Report of the Advanced Prostate Cancer Consensus Conference APCCC 2017. <i>European Urology</i> , 2018 , 73, 178-211	10.2	313
258	Combretastatin A4 phosphate has tumor antivascular activity in rat and man as demonstrated by dynamic magnetic resonance imaging. <i>Journal of Clinical Oncology</i> , 2003 , 21, 2831-42	2.2	304
257	Reproducibility of dynamic contrast-enhanced MRI in human muscle and tumours: comparison of quantitative and semi-quantitative analysis. <i>NMR in Biomedicine</i> , 2002 , 15, 132-42	4.4	297
256	Head-to-head Comparison of Transrectal Ultrasound-guided Prostate Biopsy Versus Multiparametric Prostate Resonance Imaging with Subsequent Magnetic Resonance-guided Biopsy in Biopsy-naïve Men with Elevated Prostate-specific Antigen: A Large Prospective Multicenter Clinical Study. <i>European Urology</i> , 2019 , 75, 570-578	10.2	293
255	Technology insight: water diffusion MRI--a potential new biomarker of response to cancer therapy. <i>Nature Clinical Practice Oncology</i> , 2008 , 5, 220-33		279
254	Dynamic contrast enhanced MRI of prostate cancer: correlation with morphology and tumour stage, histological grade and PSA. <i>Clinical Radiology</i> , 2000 , 55, 99-109	2.9	279
253	Imaging oxygenation of human tumours. <i>European Radiology</i> , 2007 , 17, 861-72	8	270
252	Whole-body diffusion-weighted MR imaging in cancer: current status and research directions. <i>Radiology</i> , 2011 , 261, 700-18	20.5	245

251	Evaluating the effect of rectal distension and rectal movement on prostate gland position using cine MRI. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999 , 44, 525-33	4	238
250	Assessing changes in tumour vascular function using dynamic contrast-enhanced magnetic resonance imaging. <i>NMR in Biomedicine</i> , 2002 , 15, 154-63	4.4	234
249	Early changes in functional dynamic magnetic resonance imaging predict for pathologic response to neoadjuvant chemotherapy in primary breast cancer. <i>Clinical Cancer Research</i> , 2008 , 14, 6580-9	12.9	222
248	Management of patients with advanced prostate cancer: recommendations of the St Gallen Advanced Prostate Cancer Consensus Conference (APCCC) 2015. <i>Annals of Oncology</i> , 2015 , 26, 1589-604	10.3	220
247	Prediction of clinicopathologic response of breast cancer to primary chemotherapy at contrast-enhanced MR imaging: initial clinical results. <i>Radiology</i> , 2006 , 239, 361-74	20.5	209
246	Body diffusion kurtosis imaging: Basic principles, applications, and considerations for clinical practice. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 1190-202	5.6	207
245	Magnetic resonance imaging (MRI): considerations and applications in radiotherapy treatment planning. <i>Radiotherapy and Oncology</i> , 1997 , 42, 1-15	5.3	206
244	Non-invasive methods of assessing angiogenesis and their value in predicting response to treatment in colorectal cancer. <i>British Journal of Surgery</i> , 2001 , 88, 1628-36	5.3	197
243	Dynamic contrast-enhanced MRI studies in oncology with an emphasis on quantification, validation and human studies. <i>Clinical Radiology</i> , 2001 , 56, 607-20	2.9	197
242	Reduction of small and large bowel irradiation using an optimized intensity-modulated pelvic radiotherapy technique in patients with prostate cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000 , 48, 649-56	4	195
241	The RECIST (Response Evaluation Criteria in Solid Tumors) criteria: implications for diagnostic radiologists. <i>British Journal of Radiology</i> , 2001 , 74, 983-6	3.4	193
240	Probing tumor microvasculature by measurement, analysis and display of contrast agent uptake kinetics. <i>Journal of Magnetic Resonance Imaging</i> , 1997 , 7, 564-74	5.6	181
239	Multiparametric imaging of tumor response to therapy. <i>Radiology</i> , 2010 , 256, 348-64	20.5	178
238	Dynamic contrast enhanced MRI in prostate cancer. <i>European Journal of Radiology</i> , 2007 , 63, 335-50	4.7	178
237	Reproducibility of quantitative dynamic MRI of normal human tissues. <i>NMR in Biomedicine</i> , 2002 , 15, 143-53	4.4	169
236	Diffusion-weighted imaging (DWI) in musculoskeletal MRI: a critical review. <i>Skeletal Radiology</i> , 2011 , 40, 665-81	2.7	167
235	BOLD MRI of human tumor oxygenation during carbogen breathing. <i>Journal of Magnetic Resonance Imaging</i> , 2001 , 14, 156-63	5.6	160
234	Management of Patients with Advanced Prostate Cancer: Report of the Advanced Prostate Cancer Consensus Conference 2019. <i>European Urology</i> , 2020 , 77, 508-547	10.2	155

233	METastasis Reporting and Data System for Prostate Cancer: Practical Guidelines for Acquisition, Interpretation, and Reporting of Whole-body Magnetic Resonance Imaging-based Evaluations of Multiorgan Involvement in Advanced Prostate Cancer. <i>European Urology</i> , 2017 , 71, 81-92	10.2	150
232	Reproducibility and changes in the apparent diffusion coefficients of solid tumours treated with combretastatin A4 phosphate and bevacizumab in a two-centre phase I clinical trial. <i>European Radiology</i> , 2009 , 19, 2728-38	8	141
231	Phase I trial of combretastatin A4 phosphate (CA4P) in combination with bevacizumab in patients with advanced cancer. <i>Clinical Cancer Research</i> , 2012 , 18, 3428-39	12.9	141
230	Diffusion-weighted MR imaging of female pelvic tumors: a pictorial review. <i>Radiographics</i> , 2009 , 29, 759-74; discussion 774-8	5.4	139
229	Effects of 5,6-dimethylxanthenone-4-acetic acid on human tumor microcirculation assessed by dynamic contrast-enhanced magnetic resonance imaging. <i>Journal of Clinical Oncology</i> , 2002 , 20, 3826-40 ^{2.2}		139
228	Dynamic magnetic resonance imaging of tumor perfusion. Approaches and biomedical challenges. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2004 , 23, 65-83		133
227	Reporting Magnetic Resonance Imaging in Men on Active Surveillance for Prostate Cancer: The PRECISE Recommendations-A Report of a European School of Oncology Task Force. <i>European Urology</i> , 2017 , 71, 648-655	10.2	132
226	Tumor response assessments with diffusion and perfusion MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 35, 745-63	5.6	131
225	Whole-body diffusion-weighted MRI: tips, tricks, and pitfalls. <i>American Journal of Roentgenology</i> , 2012 , 199, 252-62	5.4	130
224	Effects of androgen deprivation on prostatic morphology and vascular permeability evaluated with mr imaging. <i>Radiology</i> , 2001 , 218, 365-74	20.5	130
223	CT perfusion in oncologic imaging: a useful tool?. <i>American Journal of Roentgenology</i> , 2013 , 200, 8-19	5.4	125
222	Imaging vascular function for early stage clinical trials using dynamic contrast-enhanced magnetic resonance imaging. <i>European Radiology</i> , 2012 , 22, 1451-64	8	124
221	Diffusion-weighted imaging outside the brain: Consensus statement from an ISMRM-sponsored workshop. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 44, 521-40	5.6	123
220	Lung cancer perfusion at multi-detector row CT: reproducibility of whole tumor quantitative measurements. <i>Radiology</i> , 2006 , 239, 547-53	20.5	123
219	Prostate Imaging-Reporting and Data System Steering Committee: PI-RADS v2 Status Update and Future Directions. <i>European Urology</i> , 2019 , 75, 385-396	10.2	121
218	MRI for assessing antivasular cancer treatments. <i>British Journal of Radiology</i> , 2003 , 76 Spec No 1, S60-80 ⁴	9.4	118
217	Guidelines for Acquisition, Interpretation, and Reporting of Whole-Body MRI in Myeloma: Myeloma Response Assessment and Diagnosis System (MY-RADS). <i>Radiology</i> , 2019 , 291, 5-13	20.5	117
216	Dynamic contrast-enhanced magnetic resonance imaging of radiation therapy-induced microcirculation changes in rectal cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 63, 1309-15	4	116

215	Diffusion-weighted MRI: a new functional clinical technique for tumour imaging. <i>British Journal of Radiology</i> , 2006 , 79, 633-5	3.4	113
214	Rectal carcinoma: MRI with histologic correlation before and after chemoradiation therapy. <i>American Journal of Roentgenology</i> , 2007 , 188, 442-51	5.4	112
213	Assessing the relation between bone marrow signal intensity and apparent diffusion coefficient in diffusion-weighted MRI. <i>American Journal of Roentgenology</i> , 2013 , 200, 163-70	5.4	110
212	Prostate cancer: ESMO Consensus Conference Guidelines 2012. <i>Annals of Oncology</i> , 2013 , 24, 1141-62	10.3	109
211	Assessment of antiangiogenic and antivascular therapeutics using MRI: recommendations for appropriate methodology for clinical trials. <i>British Journal of Radiology</i> , 2003 , 76 Spec No 1, S87-91	3.4	109
210	Antivascular cancer treatments: functional assessments by dynamic contrast-enhanced magnetic resonance imaging. <i>Abdominal Imaging</i> , 2005 , 30, 324-41		108
209	A prospective randomised trial of protracted venous infusion 5-fluorouracil with or without mitomycin C in advanced colorectal cancer. <i>Annals of Oncology</i> , 1997 , 8, 995-1001	10.3	107
208	Scoring systems used for the interpretation and reporting of multiparametric MRI for prostate cancer detection, localization, and characterization: could standardization lead to improved utilization of imaging within the diagnostic pathway?. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 37, 48-58	5.6	106
207	Diffusion MR imaging for monitoring of treatment response. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2011 , 19, 181-209	1.6	105
206	In vivo monitoring of tumor angiogenesis with MR imaging. <i>Academic Radiology</i> , 2000 , 7, 812-23	4.3	104
205	FDG-PET in the prediction of survival of patients with cancer of the pancreas: a pilot study. <i>British Journal of Cancer</i> , 2000 , 83, 287-93	8.7	96
204	Cost-effectiveness of screening with contrast enhanced magnetic resonance imaging vs X-ray mammography of women at a high familial risk of breast cancer. <i>British Journal of Cancer</i> , 2006 , 95, 801-10	8.7	94
203	18fluorodeoxyglucose positron emission tomography in the prediction of relapse in patients with high-risk, clinical stage I nonseminomatous germ cell tumors: preliminary report of MRC Trial TE22--the NCRI Testis Tumour Clinical Study Group. <i>Journal of Clinical Oncology</i> , 2007 , 25, 3090-5	2.2	93
202	Magnetic resonance imaging screening in women at genetic risk of breast cancer: imaging and analysis protocol for the UK multicentre study. UK MRI Breast Screening Study Advisory Group. <i>Magnetic Resonance Imaging</i> , 2000 , 18, 765-76	3.3	92
201	Reading protocol for dynamic contrast-enhanced MR images of the breast: sensitivity and specificity analysis. <i>Radiology</i> , 2005 , 236, 779-88	20.5	90
200	Use of dynamic contrast-enhanced MR imaging to predict survival in patients with primary breast cancer undergoing neoadjuvant chemotherapy. <i>Radiology</i> , 2011 , 260, 68-78	20.5	89
199	Diffusion-weighted (DW) and dynamic contrast-enhanced (DCE) magnetic resonance imaging (MRI) for monitoring anticancer therapy. <i>Targeted Oncology</i> , 2010 , 5, 39-52	5	88
198	Assessment of treatment response by total tumor volume and global apparent diffusion coefficient using diffusion-weighted MRI in patients with metastatic bone disease: a feasibility study. <i>PLoS ONE</i> , 2014 , 9, e91779	3.7	87

197	Functional MRI for anticancer therapy assessment. <i>European Journal of Cancer</i> , 2002 , 38, 2116-27	7.5	86
196	The diagnostic accuracy and cost-effectiveness of magnetic resonance spectroscopy and enhanced magnetic resonance imaging techniques in aiding the localisation of prostate abnormalities for biopsy: a systematic review and economic evaluation. <i>Health Technology Assessment</i> , 2013 , 17, vii-xix, 1-281	4.4	85
195	PI-RADS Steering Committee: The PI-RADS Multiparametric MRI and MRI-directed Biopsy Pathway. <i>Radiology</i> , 2019 , 292, 464-474	20.5	84
194	ESUR/ESUI consensus statements on multi-parametric MRI for the detection of clinically significant prostate cancer: quality requirements for image acquisition, interpretation and radiologists' training. <i>European Radiology</i> , 2020 , 30, 5404-5416	8	80
193	Therapy monitoring of skeletal metastases with whole-body diffusion MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 39, 1049-78	5.6	79
192	National implementation of multi-parametric magnetic resonance imaging for prostate cancer detection - recommendations from a UK consensus meeting. <i>BJU International</i> , 2018 , 122, 13-25	5.6	78
191	Bone metastases. <i>Nature Reviews Disease Primers</i> , 2020 , 6, 83	51.1	77
190	Prostate MRI: who, when, and how? Report from a UK consensus meeting. <i>Clinical Radiology</i> , 2013 , 68, 1016-23	2.9	76
189	Functional imaging of colorectal cancer angiogenesis. <i>Lancet Oncology</i> , 2007 , 8, 245-55	21.7	76
188	Informatics in Radiology (infoRAD): Magnetic Resonance Imaging Workbench: analysis and visualization of dynamic contrast-enhanced MR imaging data. <i>Radiographics</i> , 2006 , 26, 621-32	5.4	73
187	Acute tumor vascular effects following fractionated radiotherapy in human lung cancer: In vivo whole tumor assessment using volumetric perfusion computed tomography. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 67, 417-24	4	71
186	Tumor antivascular effects of radiotherapy combined with combretastatin a4 phosphate in human non-small-cell lung cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 67, 1375-80 ⁴		68
185	Quantitative assessment of lung cancer perfusion using MDCT: does measurement reproducibility improve with greater tumor volume coverage?. <i>American Journal of Roentgenology</i> , 2006 , 187, 1079-84	5.4	68
184	Symptomatic brachial plexopathy following treatment for breast cancer: utility of MR imaging with surface-coil techniques. <i>Radiology</i> , 2000 , 214, 837-42	20.5	68
183	The pathway study: results of a pilot feasibility study in patients suspected of having lung carcinoma investigated in a conventional chest clinic setting compared to a centralised two-stop pathway. <i>Lung Cancer</i> , 2003 , 42, 283-90	5.9	67
182	A phase I trial of radioimmunotherapy with 131I-A5B7 anti-CEA antibody in combination with combretastatin-A4-phosphate in advanced gastrointestinal carcinomas. <i>Clinical Cancer Research</i> , 2009 , 15, 4484-92	12.9	66
181	Imaging tumor angiogenesis: functional assessment using MDCT or MRI?. <i>Abdominal Imaging</i> , 2006 , 31, 194-9		64
180	Comparison of MRI with CT for the radiotherapy planning of prostate cancer: a feasibility study. <i>British Journal of Radiology</i> , 1999 , 72, 590-7	3.4	64

179	Novel oncologic drugs: what they do and how they affect images. <i>Radiographics</i> , 2011 , 31, 2059-91	5.4	62
178	Vascular characterisation of triple negative breast carcinomas using dynamic MRI. <i>European Radiology</i> , 2011 , 21, 1364-73	8	62
177	Phase I clinical and pharmacokinetic evaluation of the vascular-disrupting agent OXi4503 in patients with advanced solid tumors. <i>Clinical Cancer Research</i> , 2012 , 18, 1415-25	12.9	62
176	High Diagnostic Performance of Short Magnetic Resonance Imaging Protocols for Prostate Cancer Detection in Biopsy-naïve Men: The Next Step in Magnetic Resonance Imaging Accessibility. <i>European Urology</i> , 2019 , 76, 574-581	10.2	61
175	Perfusion MRI in the early clinical development of antivascular drugs: decorations or decision making tools?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010 , 37 Suppl 1, S164-82	8.8	61
174	Magnetic resonance imaging of prostate cancer: comparison of image quality using endorectal and pelvic phased array coils. <i>Clinical Radiology</i> , 1998 , 53, 673-81	2.9	61
173	Bayesian methods for pharmacokinetic models in dynamic contrast-enhanced magnetic resonance imaging. <i>IEEE Transactions on Medical Imaging</i> , 2006 , 25, 1627-36	11.7	61
172	Perfusion MR imaging of extracranial tumor angiogenesis. <i>Topics in Magnetic Resonance Imaging</i> , 2004 , 15, 41-57	2.3	61
171	Applications of sliding window reconstruction with cartesian sampling for dynamic contrast enhanced MRI. <i>NMR in Biomedicine</i> , 2002 , 15, 174-83	4.4	60
170	Pulmonary sarcoidosis mimicking cryptogenic fibrosing alveolitis on CT. <i>Clinical Radiology</i> , 1996 , 51, 807-10		60
169	Dynamic contrast-enhanced magnetic resonance imaging is a poor measure of rectal cancer angiogenesis. <i>British Journal of Surgery</i> , 2006 , 93, 992-1000	5.3	59
168	Consensus on molecular imaging and theranostics in prostate cancer. <i>Lancet Oncology</i> , 2018 , 19, e696-e708	21.7	59
167	Study of tumor blood perfusion and its variation due to vascular normalization by anti-angiogenic therapy based on 3D angiogenic microvasculature. <i>Journal of Biomechanics</i> , 2009 , 42, 712-21	2.9	58
166	Challenges for imaging angiogenesis. <i>British Journal of Radiology</i> , 2001 , 74, 886-90	3.4	56
165	Imaging tumour angiogenesis. <i>Cancer Imaging</i> , 2005 , 5, 131-8	5.6	54
164	MRIW: parametric analysis software for contrast-enhanced dynamic MR imaging in cancer. <i>Radiographics</i> , 1998 , 18, 497-506	5.4	54
163	Optimum Imaging Strategies for Advanced Prostate Cancer: ASCO Guideline. <i>Journal of Clinical Oncology</i> , 2020 , 38, 1963-1996	2.2	51
162	Carbogen breathing increases prostate cancer oxygenation: a translational MRI study in murine xenografts and humans. <i>British Journal of Cancer</i> , 2009 , 100, 644-8	8.7	51

161	Phase Ib trial of radiotherapy in combination with combretastatin-A4-phosphate in patients with non-small-cell lung cancer, prostate adenocarcinoma, and squamous cell carcinoma of the head and neck. <i>Annals of Oncology</i> , 2012 , 23, 231-237	10.3	51
160	The role of functional imaging in colorectal cancer. <i>American Journal of Roentgenology</i> , 2010 , 195, 54-66	5.4	50
159	Angiogenesis imaging in the management of prostate cancer. <i>Nature Reviews Urology</i> , 2005 , 2, 596-607		50
158	Bony metastases: assessing response to therapy with whole-body diffusion MRI. <i>Cancer Imaging</i> , 2011 , 11 Spec No A, S129-45	5.6	49
157	Magnetic resonance imaging assessment of squamous cell carcinoma of the anal canal before and after chemoradiation: can MRI predict for eventual clinical outcome?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 78, 715-21	4	48
156	UK quantitative WB-DWI technical workgroup: consensus meeting recommendations on optimisation, quality control, processing and analysis of quantitative whole-body diffusion-weighted imaging for cancer. <i>British Journal of Radiology</i> , 2018 , 91, 20170577	3.4	46
155	Rationale for Modernising Imaging in Advanced Prostate Cancer. <i>European Urology Focus</i> , 2017 , 3, 223-239	3.9	46
154	Antivascular effects of neoadjuvant androgen deprivation for prostate cancer: an in vivo human study using susceptibility and relaxivity dynamic MRI. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 80, 721-7	4	46
153	Primary human breast adenocarcinoma: imaging and histologic correlates of intrinsic susceptibility-weighted MR imaging before and during chemotherapy. <i>Radiology</i> , 2010 , 257, 643-52	20.5	45
152	Dynamic MRI for imaging tumor microvasculature: comparison of susceptibility and relaxivity techniques in pelvic tumors. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 25, 796-805	5.6	43
151	Bone imaging in prostate cancer: the evolving roles of nuclear medicine and radiology. <i>Clinical and Translational Imaging</i> , 2016 , 4, 439-447	2	41
150	Use of first line bronchoalveolar lavage in the immunosuppressed oncology patient. <i>Bone Marrow Transplantation</i> , 2001 , 27, 967-71	4.4	41
149	Assessing early therapeutic response to bevacizumab in primary breast cancer using magnetic resonance imaging and gene expression profiles. <i>Journal of the National Cancer Institute Monographs</i> , 2011 , 2011, 71-4	4.8	40
148	Reproducibility and correlation between quantitative and semiquantitative dynamic and intrinsic susceptibility-weighted MRI parameters in the benign and malignant human prostate. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 32, 155-64	5.6	40
147	Imaging of Tumor Angiogenesis for Radiologists--Part 1: Biological and Technical Basis. <i>Current Problems in Diagnostic Radiology</i> , 2015 , 44, 407-24	1.6	39
146	Diffusion magnetic resonance imaging in cancer patient management. <i>Seminars in Radiation Oncology</i> , 2011 , 21, 119-40	5.5	39
145	Assessing response to treatment of bone metastases from breast cancer: what should be the standard of care?. <i>Annals of Oncology</i> , 2015 , 26, 1048-1057	10.3	38
144	Factors Influencing Variability in the Performance of Multiparametric Magnetic Resonance Imaging in Detecting Clinically Significant Prostate Cancer: A Systematic Literature Review. <i>European Urology Oncology</i> , 2020 , 3, 145-167	6.7	37

143	Robot-assisted radical prostatectomy: Multiparametric MR imaging-directed intraoperative frozen-section analysis to reduce the rate of positive surgical margins. <i>Radiology</i> , 2015 , 274, 434-44	20.5	37
142	How clinical imaging can assess cancer biology. <i>Insights Into Imaging</i> , 2019 , 10, 28	5.6	36
141	Clinical utility of diffusion-weighted magnetic resonance imaging in prostate cancer. <i>BJU International</i> , 2011 , 108, 1716-22	5.6	36
140	Whole body MRI (WB-MRI) assessment of metastatic spread in prostate cancer: Therapeutic perspectives on targeted management of oligometastatic disease. <i>Prostate</i> , 2016 , 76, 1024-33	4.2	34
139	Quantitative mapping of hepatic perfusion index using MR imaging: a potential reproducible tool for assessing tumour response to treatment with the antiangiogenic compound BIBF 1120, a potent triple angiokinase inhibitor. <i>European Radiology</i> , 2008 , 18, 1414-21	8	34
138	Multiparametric Magnetic Resonance Imaging for the Detection of Clinically Significant Prostate Cancer: What Urologists Need to Know. Part 1: Acquisition. <i>European Urology</i> , 2020 , 77, 457-468	10.2	34
137	CT features of pulmonary nocardiosis. <i>Journal of Computer Assisted Tomography</i> , 1995 , 19, 726-32	2.2	33
136	Advanced Imaging Techniques in Evaluation of Colorectal Cancer. <i>Radiographics</i> , 2018 , 38, 740-765	5.4	32
135	Science to practice: what does MR oxygenation imaging tell us about human breast cancer hypoxia?. <i>Radiology</i> , 2010 , 254, 1-3	20.5	32
134	The relationship of the neo-angiogenic marker, endoglin, with response to neoadjuvant chemotherapy in breast cancer. <i>British Journal of Cancer</i> , 2006 , 95, 1683-8	8.7	32
133	Proton magnetic resonance spectroscopy in oncology: the fingerprints of cancer?. <i>Diagnostic and Interventional Radiology</i> , 2016 , 22, 75-89	3.2	31
132	Coupled modeling of blood perfusion in intravascular, interstitial spaces in tumor microvasculature. <i>Journal of Biomechanics</i> , 2008 , 41, 996-1004	2.9	31
131	Whole-body magnetic resonance imaging (WB-MRI) in oncology: recommendations and key uses. <i>Radiologia Medica</i> , 2019 , 124, 218-233	6.5	31
130	Diagnostic accuracy of whole-body MRI versus standard imaging pathways for metastatic disease in newly diagnosed non-small-cell lung cancer: the prospective Streamline L trial. <i>Lancet Respiratory Medicine</i> , 2019 , 7, 523-532	35.1	30
129	Effects of platinum/taxane based chemotherapy on acute perfusion in human pelvic tumours measured by dynamic MRI. <i>British Journal of Cancer</i> , 2005 , 93, 979-85	8.7	30
128	Initial observations on the effect of irradiation on the liver-specific uptake of Levovist. <i>European Journal of Radiology</i> , 2002 , 41, 192-9	4.7	30
127	Commentary. Are current tumour response criteria relevant for the 21st century?. <i>British Journal of Radiology</i> , 2000 , 73, 1031-3	3.4	30
126	Inter- and Intra-Observer Repeatability of Quantitative Whole-Body, Diffusion-Weighted Imaging (WBDWI) in Metastatic Bone Disease. <i>PLoS ONE</i> , 2016 , 11, e0153840	3.7	30

125	Whole-body diffusion-weighted imaging: is it all we need for detecting metastases in melanoma patients?. <i>European Radiology</i> , 2013 , 23, 3466-76	8	29
124	Dynamic optical breast imaging: a novel technique to detect and characterize tumor vessels. <i>European Journal of Radiology</i> , 2009 , 69, 43-9	4.7	29
123	Dynamic contrast-enhanced magnetic resonance imaging and blood oxygenation level-dependent magnetic resonance imaging for the assessment of changes in tumor biology with treatment. <i>Journal of the National Cancer Institute Monographs</i> , 2011 , 2011, 103-7	4.8	29
122	Inter- and intraobserver variability in the evaluation of dynamic breast cancer MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 24, 1316-25	5.6	29
121	The addition of whole-body magnetic resonance imaging to body computerised tomography alters treatment decisions in patients with metastatic breast cancer. <i>European Journal of Cancer</i> , 2017 , 77, 1097-116	7.5	28
120	Diagnostic accuracy of whole-body MRI versus standard imaging pathways for metastatic disease in newly diagnosed colorectal cancer: the prospective Streamline C trial. <i>The Lancet Gastroenterology and Hepatology</i> , 2019 , 4, 529-537	18.8	28
119	A Bayesian hierarchical model for the analysis of a longitudinal dynamic contrast-enhanced MRI oncology study. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 163-74	4.4	27
118	The value of immediate cytologic evaluation for needle aspiration lung biopsy. <i>Investigative Radiology</i> , 1997 , 32, 453-8	10.1	27
117	Population-Based Prostate Cancer Screening With Magnetic Resonance Imaging or Ultrasonography: The IP1-PROSTAGRAM Study. <i>JAMA Oncology</i> , 2021 , 7, 395-402	13.4	27
116	Assessing response in breast cancer with dynamic contrast-enhanced magnetic resonance imaging: are signal intensity-time curves adequate?. <i>Breast Cancer Research and Treatment</i> , 2014 , 147, 335-43	4.4	26
115	Quantitative analysis of dynamic contrast-enhanced MR images based on Bayesian P-splines. <i>IEEE Transactions on Medical Imaging</i> , 2009 , 28, 789-98	11.7	26
114	Surgical restraint in the management of liver trauma. <i>British Journal of Surgery</i> , 1991 , 78, 1071-5	5.3	26
113	The prevalence of avascular necrosis in patients treated with chemotherapy for testicular tumours. <i>British Journal of Cancer</i> , 2001 , 85, 1624-6	8.7	26
112	Dynamic contrast-enhanced MRI studies in human tumours. <i>British Journal of Radiology</i> , 1999 , 72, 427-31	3.4	26
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