# Nikolaos Dikaios

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2329741/publications.pdf

Version: 2024-02-01

| 176 | 8,403 | 71102 | 49909 |
|---|---|---|---|
| papers | citations | 41 h-index | 87 g-index |

| 184 | 184 | 184 | 8875 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Inter-reader agreement of the PI-QUAL score for prostate MRI quality in the NeuroSAFE PROOF trial. European Radiology, 2022, 32, 879-889. | 4.5 | 32 |
| 2 | Tumour growth rates of prostate cancer during active surveillance: is there a difference between MRI-visible low and intermediate-risk disease?. British Journal of Radiology, 2022, 95, 20210321. | 2.2 | 5 |
| 3 | Prostate MRI quality: a critical review of the last 5 years and the role of the PI-QUAL score. British Journal of Radiology, 2022, 95, 20210415. | 2.2 | 22 |
| 4 | Diagnostic Accuracy of Abbreviated Bi-Parametric MRI (a-bpMRI) for Prostate Cancer Detection and Screening: A Multi-Reader Study. Diagnostics, 2022, 12, 231. | 2.6 | 5 |
| 5 | Discrete Shearlets as a Sparsifying Transform in Low-Rank Plus Sparse Decomposition for Undersampled (k, t)-Space MR Data. Journal of Imaging, 2022, 8, 29. | 3.0 | 2 |
| 6 | Imageâ€Guided Magnetic Thermoseed Navigation and Tumor Ablation Using a Magnetic Resonance Imaging System. Advanced Science, 2022, , 2105333. | 11.2 | 8 |
| 7 | A few-shot U-Net deep learning model for lung cancer lesion segmentation via PET/CT imaging. Biomedical Physics and Engineering Express, 2022, 8, 025019. | 1.2 | 20 |
| 8 | The ReIMAGINE prostate cancer risk study protocol: A prospective cohort study in men with a suspicion of prostate cancer who are referred onto an MRI-based diagnostic pathway with donation of tissue, blood and urine for biomarker analyses.. PLoS ONE, 2022, 17, e0259672. | 2.5 | 2 |
| 9 | A reproducible dynamic phantom for sequence testing in hyperpolarised <sup>13</sup>C-magnetic resonance. British Journal of Radiology, 2022, 95, 20210770. | 2.2 | 2 |
| 10 | Sparse-Input Neural Networks to Differentiate 32 Primary Cancer Types on the Basis of Somatic Point Mutations. Onco, 2022, 2, 56-68. | 0.6 | 0 |
| 11 | Magnetic Resonance Imaging and Targeted Biopsies Compared to Transperineal Mapping Biopsies Before Focal Ablation in Localised and Metastatic Recurrent Prostate Cancer After Radiotherapy. European Urology, 2022, 81, 598-605. | 1.9 | 9 |
| 12 | Reconstruction of Preclinical PET Images via Chebyshev Polynomial Approximation of the Sinogram. Applied Sciences (Switzerland), 2022, 12, 3335. | 2.5 | 3 |
| 13 | Histo-MRI map study protocol: a prospective cohort study mapping MRI to histology for biomarker validation and prediction of prostate cancer. BMJ Open, 2022, 12, e059847. | 1.9 | 0 |
| 14 | Simple Formulae, Deep Learning and Elaborate Modelling for the COVID-19 Pandemic. Encyclopedia, 2022, 2, 679-689. | 4.5 | 1 |
| 15 | MO-0218 A likelihood-based particle imaging filter using prior information. Radiotherapy and Oncology, 2022, 170, S175-S176. | 0.6 | 0 |
| 16 | Cross-Modality Image Registration Using a Training-Time Privileged Third Modality. IEEE Transactions on Medical Imaging, 2022, 41, 3421-3431. | 8.9 | 0 |
| 17 | Differentiating False Positive Lesions from Clinically Significant Cancer and Normal Prostate Tissue Using VERDICT MRI and Other Diffusion Models. Diagnostics, 2022, 12, 1631. | 2.6 | 0 |
| 18 | Update on Multiparametric Prostate MRI During Active Surveillance: Current and Future Trends and Role of the PRECISE Recommendations. American Journal of Roentgenology, 2021, 216, 943-951. | 2.2 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Natural history of prostate cancer on active surveillance: stratification by MRI using the PRECISE recommendations in a UK cohort. European Radiology, 2021, 31, 1644-1655. | 4.5 | 37 |
| 20 | False Positive Multiparametric Magnetic Resonance Imaging Phenotypes in the Biopsy-naÃ¯ve Prostate: Are They Distinct from Significant Cancer-associated Lesions? Lessons from PROMIS. European Urology, 2021, 79, 20-29. | 1.9 | 13 |
| 21 | Certification in reporting multiparametric magnetic resonance imaging of the prostate: recommendations of a UK consensus meeting. BJU International, 2021, 127, 304-306. | 2.5 | 32 |
| 22 | Deep learning magnetic resonance spectroscopy fingerprints of brain tumours using quantum mechanically synthesised data. NMR in Biomedicine, 2021, 34, e4479. | 2.8 | 7 |
| 23 | Synthesizing VERDICT Maps from Standard DWI Data Using GANs. Lecture Notes in Computer Science, 2021, , 58-67. | 1.3 | 1 |
| 24 | An end-to-end assessment on the accuracy of adaptive radiotherapy in an MR-linac. Physics in Medicine and Biology, 2021, 66, 055021. | 3.0 | 11 |
| 25 | Long-term biopsy outcomes in prostate cancer patients treated with external beam radiotherapy: a systematic review and meta-analysis. Prostate Cancer and Prostatic Diseases, 2021, 24, 612-622. | 3.9 | 6 |
| 26 | <sup>18</sup>F-FDG PET/MRI for Staging and Interim Response Assessment in Pediatric and Adolescent Hodgkin Lymphoma: A Prospective Study with <sup>18</sup>F-FDG PET/CT as the Reference Standard. Journal of Nuclear Medicine, 2021, 62, 1524-1530. | 5.0 | 15 |
| 27 | Evaluation of PSA and PSA Density in a Multiparametric Magnetic Resonance Imaging-Directed Diagnostic Pathway for Suspected Prostate Cancer: The INNOVATE Trial. Cancers, 2021, 13, 1985. | 3.7 | 10 |
| 28 | Standardisation of prostate multiparametric MRI across a hospital network: a London experience. Insights Into Imaging, 2021, 12, 52. | 3.4 | 11 |
| 29 | Synthetic Q-Space Learning With Deep Regression Networks For Prostate Cancer Characterisation With Verdict. , 2021, , . | | 4 |
| 30 | Texture Analysis of Fractional Water Content Images Acquired during PET/MRI: Initial Evidence for an Association with Total Lesion Glycolysis, Survival and Gene Mutation Profile in Primary Colorectal Cancer. Cancers, 2021, 13, 2715. | 3.7 | 5 |
| 31 | Followup of Men with PI-RADS TM 4 or 5 Abnormality on Prostate Magnetic Resonance Imaging and Nonmalignant Pathological Findings on Initial Targeted Prostate Biopsy. Letter.. Journal of Urology, 2021, 205, 1526-1528. | 0.4 | 0 |
| 32 | Understanding PI-QUAL for prostate MRI quality: a practical primer for radiologists. Insights Into Imaging, 2021, 12, 59. | 3.4 | 43 |
| 33 | Covid-19: predictive mathematical formulae for the number of deaths during lockdown and possible scenarios for the post-lockdown period. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, 20200745. | 2.1 | 7 |
| 34 | Machine learning for proton path tracking in proton computed tomography. Physics in Medicine and Biology, 2021, 66, 105013. | 3.0 | 2 |
| 35 | Statistical limitations in ion imaging. Physics in Medicine and Biology, 2021, 66, 105009. | 3.0 | 6 |
| 36 | Update from the ReIMAGINE Prostate Cancer Screening Study NCT04063566: Inviting Men for Prostate Cancer Screening Using Magnetic Resonance Imaging. European Urology Focus, 2021, 7, 503-505. | 3.1 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Quantification of T1, T2 relaxation times from Magnetic Resonance Fingerprinting radially undersampled data using analytical transformations. Magnetic Resonance Imaging, 2021, 80, 81-89. | 1.8 | 2 |
| 38 | Artificial Intelligence Compared to Radiologists for the Initial Diagnosis of Prostate Cancer on Magnetic Resonance Imaging: A Systematic Review and Recommendations for Future Studies. Cancers, 2021, 13, 3318. | 3.7 | 32 |
| 39 | Utility of diffusion MRI characteristics of cervical lymph nodes as disease classifier between patients with head and neck squamous cell carcinoma and healthy volunteers. NMR in Biomedicine, 2021, 34, e4587. | 2.8 | 0 |
| 40 | Emerging methods for prostate cancer imaging: evaluating cancer structure and metabolic alterations more clearly. Molecular Oncology, 2021, 15, 2565-2579. | 4.6 | 5 |
| 41 | PO-1667 Statistical limitations in particle imaging tomography. Radiotherapy and Oncology, 2021, 161, S1390-S1391. | 0.6 | 0 |
| 42 | ReIMAGINE Prostate Cancer Screening Study: protocol for a single-centre feasibility study inviting men for prostate cancer screening using MRI. BMJ Open, 2021, 11, e048144. | 1.9 | 10 |
| 43 | Computer-aided diagnosis of prostate cancer using multiparametric MRI and clinical features: A patient-level classification framework. Medical Image Analysis, 2021, 73, 102153. | 11.6 | 19 |
| 44 | Unsupervised Domain Adaptation with Semantic Consistency Across Heterogeneous Modalities for MRI Prostate Lesion Segmentation. Lecture Notes in Computer Science, 2021, , 90-100. | 1.3 | 2 |
| 45 | Feasibility of Data-Driven, Model-Free Quantitative MRI Protocol Design: Application to Brain and Prostate Diffusion-Relaxation Imaging. Frontiers in Physics, 2021, 9, . | 2.1 | 2 |
| 46 | The ReIMAGINE Multimodal Warehouse: Using Artificial Intelligence for Accurate Risk Stratification of Prostate Cancer. Frontiers in Artificial Intelligence, 2021, 4, 769582. | 3.4 | 2 |
| 47 | OCTAVA: An open-source toolbox for quantitative analysis of optical coherence tomography angiography images. PLoS ONE, 2021, 16, e0261052. | 2.5 | 12 |
| 48 | AutoProstate: Towards Automated Reporting of Prostate MRI for Prostate Cancer Assessment Using Deep Learning. Cancers, 2021, 13, 6138. | 3.7 | 10 |
| 49 | A Multicentre Analysis of the Detection of Clinically Significant Prostate Cancer Following Transperineal Image-fusion Targeted and Nontargeted Systematic Prostate Biopsy in Men at Risk. European Urology Oncology, 2020, 3, 262-269. | 5.4 | 28 |
| 50 | Added value of diffusionâ€weighted images and dynamic contrast enhancement in multiparametric magnetic resonance imaging for the detection of clinically significant prostate cancer in the PICTURE trial. BJU International, 2020, 125, 391-398. | 2.5 | 8 |
| 51 | Interobserver reproducibility of the PRECISE scoring system for prostate MRI on active surveillance: results from a two-centre pilot study. European Radiology, 2020, 30, 2082-2090. | 4.5 | 20 |
| 52 | DWI and PRECISE criteria in men on active surveillance for prostate cancer: A multicentre preliminary experience of different ADC calculations. Magnetic Resonance Imaging, 2020, 67, 50-58. | 1.8 | 14 |
| 53 | An optimized and highly repeatable MRI acquisition and processing pipeline for quantitative susceptibility mapping in the headâ€andâ€neck region. Magnetic Resonance in Medicine, 2020, 84, 3206-3222. | 3.0 | 33 |
| 54 | Mathematical models and deep learning for predicting the number of individuals reported to be infected with SARS-CoV-2. Journal of the Royal Society Interface, 2020, 17, 20200494. | 3.4 | 53 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | A critical evaluation of visual proportion of Gleason 4 and maximum cancer core length quantified by histopathologists. Scientific Reports, 2020, 10, 17177. | 3.3 | 4 |
| 56 | Prostate cancer measurements on serial MRI during active surveillance: itâ€™s time to be PRECISE. British Journal of Radiology, 2020, 93, 20200819. | 2.2 | 11 |
| 57 | Whole Body 3.0 T Magnetic Resonance Imaging in Lymphomas: Comparison of Different Sequence Combinations for Staging Hodgkinâ€™s and Diffuse Large B Cell Lymphomas. Journal of Personalized Medicine, 2020, 10, 284. | 2.5 | 5 |
| 58 | What Type of Prostate Cancer Is Systematically Overlooked by Multiparametric Magnetic Resonance Imaging? An Analysis from the PROMIS Cohort. European Urology, 2020, 78, 163-170. | 1.9 | 60 |
| 59 | Stochastic Gradient Langevin dynamics for joint parameterization of tracer kinetic models, input functions, and T1 relaxation-times from undersampled k-space DCE-MRI. Medical Image Analysis, 2020, 62, 101690. | 11.6 | 8 |
| 60 | Noninvasive diffusion magnetic resonance imaging of brain tumour cell size for the early detection of therapeutic response. Scientific Reports, 2020, 10, 9223. | 3.3 | 29 |
| 61 | Statistical limitations in proton imaging. Physics in Medicine and Biology, 2020, 65, 085011. | 3.0 | 12 |
| 62 | Five-year Outcomes of Magnetic Resonance Imagingâ€“based Active Surveillance for Prostate Cancer: A Large Cohort Study. European Urology, 2020, 78, 443-451. | 1.9 | 94 |
| 63 | Additional Value of Dynamic Contrast-enhanced Sequences in Multiparametric Prostate Magnetic Resonance Imaging: Data from the PROMIS Study. European Urology, 2020, 78, 503-511. | 1.9 | 27 |
| 64 | Harnessing Uncertainty in Domain Adaptation for MRI Prostate Lesion Segmentation. Lecture Notes in Computer Science, 2020, , 510-520. | 1.3 | 17 |
| 65 | Negative Predictive Value of Multiparametric Magnetic Resonance Imaging in the Detection of Clinically Significant Prostate Cancer in the Prostate Imaging Reporting and Data System Era: A Systematic Review and Meta-analysis. European Urology, 2020, 78, 402-414. | 1.9 | 183 |
| 66 | MoliÃ¨re maximum likelihood proton path estimation approximated by cubic BÃ©zier curve for scatter corrected proton CT reconstruction. Physics in Medicine and Biology, 2020, 65, 175003. | 3.0 | 1 |
| 67 | Comparison of Transrectal Ultrasound Biopsy to Transperineal Template Mapping Biopsies Stratified by Multiparametric Magnetic Resonance Imaging Score in the PROMIS Trial. Journal of Urology, 2020, 203, 100-107. | 0.4 | 9 |
| 68 | Whole body MRI in multiple myeloma: Optimising image acquisition and read times. PLoS ONE, 2020, 15, e0228424. | 2.5 | 8 |
| 69 | Whole body MRI in multiple myeloma: Optimising image acquisition and read times. , 2020, 15, e0228424. | | 0 |
| 70 | Whole body MRI in multiple myeloma: Optimising image acquisition and read times. , 2020, 15, e0228424. | | 0 |
| 71 | Whole body MRI in multiple myeloma: Optimising image acquisition and read times. , 2020, 15, e0228424. | | 0 |
| 72 | Whole body MRI in multiple myeloma: Optimising image acquisition and read times. , 2020, 15, e0228424. | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Whole-body MRI for staging and interim response monitoring in paediatric and adolescent Hodgkinâ€™s lymphoma: a comparison with multi-modality reference standard including 18F-FDG-PET-CT. European Radiology, 2019, 29, 202-212. | 4.5 | 29 |
| 74 | Whole-body magnetic resonance imaging in paediatric Hodgkin lymphoma â€" evaluation of quantitative magnetic resonance metrics for nodal staging. Pediatric Radiology, 2019, 49, 1285-1298. | 2.0 | 4 |
| 75 | Prediction of significant prostate cancer in biopsy-naÃ¯ve men: Validation of a novel risk model combining MRI and clinical parameters and comparison to an ERSPC risk calculator and PI-RADS. PLoS ONE, 2019, 14, e0221350. | 2.5 | 13 |
| 76 | Machine learning classifiers can predict Gleason pattern 4 prostate cancer with greater accuracy than experienced radiologists. European Radiology, 2019, 29, 4754-4764. | 4.5 | 55 |
| 77 | 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. Lancet Respiratory Medicine,the, 2019, 7, 523-532. | 10.7 | 50 |
| 78 | Diagnostic accuracy of whole-body MRI versus standard imaging pathways for metastatic disease in newly diagnosed colorectal cancer: the prospective Streamline C trial. The Lancet Gastroenterology and Hepatology, 2019, 4, 529-537. | 8.1 | 51 |
| 79 | Targeted biopsy of the prostate: does this result in improvement in detection of highâ€grade cancer or the occurrence of the Will Rogers phenomenon?. BJU International, 2019, 124, 643-648. | 2.5 | 13 |
| 80 | VERDICT MRI for Prostate Cancer: Intracellular Volume Fraction versus Apparent Diffusion Coefficient. Radiology, 2019, 291, 391-397. | 7.3 | 52 |
| 81 | Optimization and repeatability of multipool chemical exchange saturation transfer MRI of the prostate at 3.0â€‰T. Journal of Magnetic Resonance Imaging, 2019, 50, 1238-1250. | 3.4 | 14 |
| 82 | Prostate cancer treated with irreversible electroporation: MRI-based volumetric analysis and oncological outcome. Magnetic Resonance Imaging, 2019, 58, 143-147. | 1.8 | 13 |
| 83 | VERDICT MRI validation in fresh and fixed prostate specimens using patientâ€specific moulds for histological and MR alignment. NMR in Biomedicine, 2019, 32, e4073. | 2.8 | 22 |
| 84 | Integration of Proton Computed Tomography into the Open Source Software STIR. , 2019, , . | | 0 |
| 85 | Proton Computed Tomography: A Case Study for Optimal Data Acquisition. , 2019, , . | | 0 |
| 86 | Localising occult prostate cancer metastasis with advanced imaging techniques (LOCATE trial): a prospective cohort, observational diagnostic accuracy trial investigating wholeâ€"body magnetic resonance imaging in radio-recurrent prostate cancer. BMC Medical Imaging, 2019, 19, 90. | 2.7 | 9 |
| 87 | Simplified Luminal Water Imaging for the Detection of Prostate Cancer From Multiecho T<sub>2</sub> MR Images. Journal of Magnetic Resonance Imaging, 2019, 50, 910-917. | 3.4 | 16 |
| 88 | VERDICTâ€AMICO: Ultrafast fitting algorithm for nonâ€invasive prostate microstructure characterization. NMR in Biomedicine, 2019, 32, e4019. | 2.8 | 19 |
| 89 | GAS: A genetic atlas selection strategy in multi-atlas segmentation framework. Medical Image Analysis, 2019, 52, 97-108. | 11.6 | 18 |
| 90 | Multi-parametric MRI zone-specific diagnostic model performance compared with experienced radiologists for detection of prostate cancer. European Radiology, 2019, 29, 4150-4159. | 4.5 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Association of bone mineral density and fat fraction with magnetic susceptibility in inflamed trabecular bone. Magnetic Resonance in Medicine, 2019, 81, 3094-3107. | 3.0 | 10 |
| 92 | The effect of low resolution and coverage on the accuracy of susceptibility mapping. Magnetic Resonance in Medicine, 2019, 81, 1833-1848. | 3.0 | 53 |
| 93 | Sequential prostate MRI reporting in men on active surveillance: initial experience of a dedicated PRECISE software program. Magnetic Resonance Imaging, 2019, 57, 34-39. | 1.8 | 13 |
| 94 | A Dedicated Prostate MRI Teaching Course Improves the Ability of the Urologist to Interpret Clinically Significant Prostate Cancer on Multiparametric MRI. European Urology, 2019, 75, 203-204. | 1.9 | 16 |
| 95 | Multiparametric whole-body 3.0-T MRI in newly diagnosed intermediate- and high-risk prostate cancer: diagnostic accuracy and interobserver agreement for nodal and metastatic staging. European Radiology, 2019, 29, 3159-3169. | 4.5 | 34 |
| 96 | The SmartTarget Biopsy Trial: A Prospective, Within-person Randomised, Blinded Trial Comparing the Accuracy of Visual-registration and Magnetic Resonance Imaging/Ultrasound Image-fusion Targeted Biopsies for Prostate Cancer Risk Stratification. European Urology, 2019, 75, 733-740. | 1.9 | 67 |
| 97 | Management of Radiologically Indeterminate Magnetic Resonance Imaging Signals in Men at Risk of Prostate Cancer. European Urology Focus, 2019, 5, 62-68. | 3.1 | 9 |
| 98 | Whole-body MRI compared with standard pathways for staging metastatic disease in lung and colorectal cancer: the Streamline diagnostic accuracy studies. Health Technology Assessment, 2019, 23, 1-270. | 2.8 | 34 |
| 99 | Fat fraction mapping using magnetic resonance imaging: insight into pathophysiology. British Journal of Radiology, 2018, 91, 20170344. | 2.2 | 39 |
| 100 | Characterizing indeterminate (Likert-score 3/5) peripheral zone prostate lesions with PSA density, PI-RADS scoring and qualitative descriptors on multiparametric MRI. British Journal of Radiology, 2018, 91, 20170645. | 2.2 | 23 |
| 101 | National implementation of multiâ€parametric magnetic resonance imaging for prostate cancer detection â€“ recommendations from a <scp>UK</scp> consensus meeting. BJU International, 2018, 122, 13-25. | 2.5 | 106 |
| 102 | MRI-Targeted or Standard Biopsy for Prostate-Cancer Diagnosis. New England Journal of Medicine, 2018, 378, 1767-1777. | 27.0 | 2,036 |
| 103 | Simultaneous Quantification of Bone Edema/Adiposity and Structure in Inflamed Bone Using Chemical Shiftâ€Encoded <scp>MRI</scp> in Spondyloarthritis. Magnetic Resonance in Medicine, 2018, 79, 1031-1042. | 3.0 | 47 |
| 104 | Impact of <sup>68</sup>Ga-Prostate-Specific Membrane Antigen PET/CT on Prostate Cancer Management. Journal of Nuclear Medicine, 2018, 59, 89-92. | 5.0 | 58 |
| 105 | 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. British Journal of Radiology, 2018, 91, 20170577. | 2.2 | 70 |
| 106 | Prostate Cancer Classification on VERDICT DW-MRI Using Convolutional Neural Networks. Lecture Notes in Computer Science, 2018, , 319-327. | 1.3 | 7 |
| 107 | Patient Reported Outcome Measures for Transperineal Template Prostate Mapping Biopsies in the PICTURE Study. Journal of Urology, 2018, 200, 1235-1240. | 0.4 | 55 |
| 108 | VERDICT Prostate Parameter Estimation with AMICO. Mathematics and Visualization, 2018, , 229-241. | 0.6 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Diagnostic accuracy of magnetic resonance enterography and small bowel ultrasound for the extent and activity of newly diagnosed and relapsed Crohn's disease (METRIC): a multicentre trial. The Lancet Gastroenterology and Hepatology, 2018, 3, 548-558. | 8.1 | 143 |
| 110 | Immunohistochemical biomarker validation in highly selective needle biopsy microarrays derived from mpMRIâ€characterized prostates. Prostate, 2018, 78, 1229-1237. | 2.3 | 9 |
| 111 | The natural history of prostate cancer on MRI: lessons from an active surveillance cohort. Prostate Cancer and Prostatic Diseases, 2018, 21, 556-563. | 3.9 | 13 |
| 112 | Accuracy of Transperineal Targeted Prostate Biopsies, Visual Estimation and Image Fusion in Men Needing Repeat Biopsy in the PICTURE Trial. Journal of Urology, 2018, 200, 1227-1234. | 0.4 | 38 |
| 113 | Feasibility of vocal fold abduction and adduction assessment using cine-MRI. European Radiology, 2017, 27, 598-606. | 4.5 | 18 |
| 114 | Automatic quantification of the myocardial extracellular volume by cardiac computed tomography: Synthetic ECV by CCT. Journal of Cardiovascular Computed Tomography, 2017, 11, 221-226. | 1.3 | 34 |
| 115 | A comparison of Bayesian and non-linear regression methods for robust estimation of pharmacokinetics in DCE-MRI and how it affects cancer diagnosis. Computerized Medical Imaging and Graphics, 2017, 56, 1-10. | 5.8 | 18 |
| 116 | Prediction of Pediatric Percutaneous Nephrolithotomy Outcomes Using Contemporary Scoring Systems. Journal of Urology, 2017, 198, 1146-1152. | 0.4 | 18 |
| 117 | Improved hepatic arterial fraction estimation using cardiac output correction of arterial input functions for liver DCE MRI. Physics in Medicine and Biology, 2017, 62, 1533-1546. | 3.0 | 6 |
| 118 | Streamlining staging of lung and colorectal cancer with whole body MRI; study protocols for two multicentre, non-randomised, single-arm, prospective diagnostic accuracy studies (Streamline C and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 2.6 | 10 |
| 119 | The PICTURE study: diagnostic accuracy of multiparametric MRI in men requiring a repeat prostate biopsy. British Journal of Cancer, 2017, 116, 1159-1165. | 6.4 | 90 |
| 120 | A multicentre randomised controlled trial assessing whether MRI-targeted biopsy is non-inferior to standard transrectal ultrasound guided biopsy for the diagnosis of clinically significant prostate cancer in men without prior biopsy: a study protocol. BMJ Open, 2017, 7, e017863. | 1.9 | 14 |
| 121 | Whole-body MRI quantitative biomarkers are associated significantly with treatment response in patients with newly diagnosed symptomatic multiple myeloma following bortezomib induction. European Radiology, 2017, 27, 5325-5336. | 4.5 | 62 |
| 122 | â€œTextural analysis of multiparametric MRI detects transition zone prostate cancerâ€• European Radiology, 2017, 27, 2348-2358. | 4.5 | 74 |
| 123 | Whole body magnetic resonance imaging in newly diagnosed multiple myeloma: early changes in lesional signal fat fraction predict disease response. British Journal of Haematology, 2017, 176, 222-233. | 2.5 | 48 |
| 124 | Apparatus for Histological Validation of In Vivo and Ex Vivo Magnetic Resonance Imaging of the Human Prostate. Frontiers in Oncology, 2017, 7, 47. | 2.8 | 27 |
| 125 | A Probabilistic Method for Estimation of Bowel Wall Thickness in MR Colonography. PLoS ONE, 2017, 12, e0168317. | 2.5 | 3 |
| 126 | Diagnostic utility of whole body Dixon MRI in multiple myeloma: A multi-reader study. PLoS ONE, 2017, 12, e0180562. | 2.5 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Initial validation of equilibrium contrast imaging for extracellular volume quantification using a threeâ€dimensional engineered tissue model. Journal of Magnetic Resonance Imaging, 2016, 43, 1224-1229. | 3.4 | 2 |
| 128 | INNOVATE: A prospective cohort study combining serum and urinary biomarkers with novel diffusion-weighted magnetic resonance imaging for the prediction and characterization of prostate cancer. BMC Cancer, 2016, 16, 816. | 2.6 | 40 |
| 129 | Can We Improve the Reproducibility of Quantitative Multiparametric Prostate MR Imaging Metrics?. Radiology, 2016, 281, 652-653. | 7.3 | 5 |
| 130 | Estimation of contrast agent bolus arrival delays for improved reproducibility of liver DCE MRI. Physics in Medicine and Biology, 2016, 61, 6905-6918. | 3.0 | 12 |
| 131 | Photoacoustic imaging of human lymph nodes with endogenous lipid and hemoglobin contrast. Journal of Biomedical Optics, 2015, 20, 1. | 2.6 | 45 |
| 132 | Extracellular volume quantification by dynamic equilibrium cardiac computed tomography in cardiac amyloidosis. Journal of Cardiovascular Computed Tomography, 2015, 9, 585-592. | 1.3 | 108 |
| 133 | Changes in dynamic contrast-enhanced pharmacokinetic and diffusion-weighted imaging parameters reflect response to anti-TNF therapy in Crohn's disease. British Journal of Radiology, 2015, 88, 20150547. | 2.2 | 21 |
| 134 | Evolution of multi-parametric MRI quantitative parameters following transrectal ultrasound-guided biopsy of the prostate. Prostate Cancer and Prostatic Diseases, 2015, 18, 343-351. | 3.9 | 18 |
| 135 | Multiparametric MRI for detection of radiorecurrent prostate cancer: added value of apparent diffusion coefficient maps and dynamic contrast-enhanced images. Prostate Cancer and Prostatic Diseases, 2015, 18, 128-136. | 3.9 | 59 |
| 136 | Zone-specific logistic regression models improve classification of prostate cancer on multi-parametric MRI. European Radiology, 2015, 25, 2727-2737. | 4.5 | 29 |
| 137 | Microstructural Characterization of Normal and Malignant Human Prostate Tissue With Vascular, Extracellular, and Restricted Diffusion for Cytometry in Tumours Magnetic Resonance Imaging. Investigative Radiology, 2015, 50, 218-227. | 6.2 | 137 |
| 138 | Logistic regression model for diagnosis of transition zone prostate cancer on multi-parametric MRI. European Radiology, 2015, 25, 523-532. | 4.5 | 40 |
| 139 | Whole Body (WB) MRI in Newly Diagnosed Multiple Myeloma (MM): Fat Fraction Changes at 8 Weeks Predict Response to Induction with Bortezomib Regimens. Blood, 2015, 126, 1850-1850. | 1.4 | 1 |
| 140 | Multi-modal pharmacokinetic modelling for DCE-MRI: using diffusion weighted imaging to constrain the local arterial input function. Proceedings of SPIE, 2014, , . | 0.8 | 0 |
| 141 | Noise estimation from averaged diffusion weighted images: Can unbiased quantitative decay parameters assist cancer evaluation?. Magnetic Resonance in Medicine, 2014, 71, 2105-2117. | 3.0 | 25 |
| 142 | Dynamic MR Image Reconstructionâ€“Separation From Undersampled (${f k},t$)-Space via Low-Rank Plus Sparse Prior. IEEE Transactions on Medical Imaging, 2014, 33, 1689-1701. | 8.9 | 106 |
| 143 | The PICTURE study â€" Prostate Imaging (multi-parametric MRI and Prostate HistoScanningâ„¢) Compared to Transperineal Ultrasound guided biopsy for significant prostate cancer Risk Evaluation. Contemporary Clinical Trials, 2014, 37, 69-83. | 1.8 | 50 |
| 144 | Evaluation of Crohnâ€™s disease activity: Initial validation of a magnetic resonance enterography global score (MEGS) against faecal calprotectin. European Radiology, 2014, 24, 277-287. | 4.5 | 110 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Respiratory motion correction in dynamic MRI using robust data decomposition registration â€“ Application to DCE-MRI. Medical Image Analysis, 2014, 18, 301-313. | 11.6 | 109 |
| 146 | Can multiparametric magnetic resonance imaging predict upgrading of transrectal ultrasound biopsy results at more definitive histology?11Mohamed Abd-Alazeez receives funding from the Egyptian government. Mark Emberton and Hashim U. Ahmed receive funding from USHIFU and Advanced Medical Diagnostics for clinical trials. Mark Emberton is a paid consultant for Steba Biotech, USHIFU and Sanofi-Aventis. Mark Emberton has received research support by GSK for a study evaluating the role of MRI in men with prostate. Urologic Oncology: Seminars and Original Investigations, 2014, 32, 741-747. | 1.6 | 27 |
| 147 | MP53-05 MULTI-PARAMETRIC MRI FOR DETECTION OF RADIO-RECURRENT PROSTATE CANCER: WHAT CONSTITUTES AN OPTIMAL DATASET?. Journal of Urology, 2014, 191, . | 0.4 | 0 |
| 148 | Direct parametric reconstruction from undersampled (k, t)-space data in dynamic contrast enhanced MRI. Medical Image Analysis, 2014, 18, 989-1001. | 11.6 | 33 |
| 149 | Diffusion-weighted MRI of lymphoma: prognostic utility and implications for PET/MRI?. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 373-385. | 6.4 | 77 |
| 150 | Multi-scale analysis of apparent diffusion coefficient (ADC) predicts cervical nodal status in patients with head and neck squamous cell carcinoma. British Journal of Oral and Maxillofacial Surgery, 2013, 51, e81. | 0.8 | 0 |
| 151 | Standards of Reporting for MRI-targeted Biopsy Studies (START) of the Prostate: Recommendations from an International Working Group. European Urology, 2013, 64, 544-552. | 1.9 | 383 |
| 152 | Dynamic contrast-enhanced MRI improves accuracy for detecting focal splenic involvement in children and adolescents with Hodgkin disease. Pediatric Radiology, 2013, 43, 941-949. | 2.0 | 18 |
| 153 | Direct parametric reconstruction from undersampled (k, t)-space data in dynamic contrast enhancement MRI. , 2013, , . | | 0 |
| 154 | Joint reconstruction of low-rank and sparse components from undersampled (k, t)-space small bowel data. , 2013, , . | | 1 |
| 155 | Respiratory Motion Correction in Dynamic-MRI: Application to Small Bowel Motility Quantification during Free Breathing. Lecture Notes in Computer Science, 2013, 16, 132-140. | 1.3 | 4 |
| 156 | Registration-weighted motion correction for PET. Medical Physics, 2012, 39, 1253-1264. | 3.0 | 9 |
| 157 | Quantified terminal ileal motility during MR enterography as a potential biomarker of Crohnâ€™s disease activity: a preliminary study. European Radiology, 2012, 22, 2494-2501. | 4.5 | 119 |
| 158 | Non-perforating small bowel Crohn's disease assessed by MRI enterography: Derivation and histopathological validation of an MR-based activity index. European Journal of Radiology, 2012, 81, 2080-2088. | 2.6 | 234 |
| 159 | STIR: software for tomographic image reconstruction release 2. Physics in Medicine and Biology, 2012, 57, 867-883. | 3.0 | 375 |
| 160 | Quantitative assessment of small bowel motility by nonrigid registration of dynamic MR images. Magnetic Resonance in Medicine, 2012, 68, 783-793. | 3.0 | 97 |
| 161 | MRI-based motion correction of thoracic PET: initial comparison of acquisition protocols and correction strategies suitable for simultaneous PET/MRI systems. European Radiology, 2012, 22, 439-446. | 4.5 | 82 |
| 162 | Acceleration of motion-compensated PET reconstruction: ordered subsets-gates EM algorithms anda priorireference gate information. Physics in Medicine and Biology, 2011, 56, 1695-1715. | 3.0 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Contrast enhanced MR imaging of female pelvic cancers: Established methods and emerging applications. European Journal of Radiology, 2011, 78, 2-11. | 2.6 | 20 |
| 164 | Diffusion weighted imaging of female pelvic cancers: Concepts and clinical applications. European Journal of Radiology, 2011, 78, 21-29. | 2.6 | 69 |
| 165 | Magnetic Resonance Imaging for the Detection, Localisation, and Characterisation of Prostate Cancer: Recommendations from a European Consensus Meeting. European Urology, 2011, 59, 477-494. | 1.9 | 642 |
| 166 | Improved motionâ€compensated image reconstruction for PET using sensitivity correction per respiratory gate and an approximate tubeâ€ofâ€response backprojector. Medical Physics, 2011, 38, 4958-4970. | 3.0 | 16 |
| 167 | Quantitative diffusion weighted MRI: A functional biomarker of nodal disease in Hodgkin lymphoma?. Cancer Biomarkers, 2011, 7, 249-259. | 1.7 | 36 |
| 168 | Pediatric and Adolescent Lymphoma:Comparison of Whole-Body STIR Half-Fourier RARE MR Imaging with an Enhanced PET/CT Reference for Initial Staging<sup />. Radiology, 2010, 255, 182-190. | 7.3 | 132 |
| 169 | Respiratory motion correction of PET using motion parameters from MR. , 2009, , . | | 2 |
| 170 | Mural Crohn Disease: Correlation of Dynamic Contrast-enhanced MR Imaging Findings with Angiogenesis and Inflammation at Histologic Examinationâ€"Pilot Study. Radiology, 2009, 251, 369-379. | 7.3 | 122 |
| 171 | Paediatric CT: the effects of increasing image noise on pulmonary nodule detection. Pediatric Radiology, 2008, 38, 192-201. | 2.0 | 16 |
| 172 | Double Scatter Simulation using the Polarized Klein-Nishina formula. , 2006, , . | | 3 |
| 173 | Processing of transmission data from an uncollimated single photon source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 569, 416-420. | 1.6 | 2 |
| 174 | Comparative evaluation of two commercial PET scanners, ECAT EXACT HR+ and Biograph 2, using GATE. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 569, 368-372. | 1.6 | 41 |
| 175 | Temporal and anatomical variations of brain water apparent diffusion coefficient in perinatal cerebral hypoxic-ischemic injury: Relationships to cerebral energy metabolism. Magnetic Resonance in Medicine, 1998, 39, 920-927. | 3.0 | 73 |
| 176 | Scatter Simulation Including Double Scatter. , 0, , . | | 10 |