

Maria A Schmidt

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

703
citations

840585

11
h-index

677027

22
g-index

23
all docs

23
docs citations

23
times ranked

1117
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Radiotherapy planning using MRI. <i>Physics in Medicine and Biology</i> , 2015, 60, R323-R361. | 1.6 | 268 |
| 2 | Consensus opinion on MRI simulation for external beam radiation treatment planning. <i>Radiotherapy and Oncology</i> , 2016, 121, 187-192. | 0.3 | 66 |
| 3 | The value of magnetic resonance imaging in target volume delineation of base of tongue tumours – A study using flexible surface coils. <i>Radiotherapy and Oncology</i> , 2010, 94, 161-167. | 0.3 | 64 |
| 4 | Comparison of prostate delineation on multimodality imaging for MR-guided radiotherapy. <i>British Journal of Radiology</i> , 2019, 92, 20180948. | 1.0 | 48 |
| 5 | Multi-parametric MRI in the early prediction of response to neo-adjuvant chemotherapy in breast cancer: Value of non-modelled parameters. <i>European Journal of Radiology</i> , 2016, 85, 837-842. | 1.2 | 41 |
| 6 | Changes in functional imaging parameters following induction chemotherapy have important implications for individualised patient-based treatment regimens for advanced head and neck cancer. <i>Radiotherapy and Oncology</i> , 2013, 106, 112-117. | 0.3 | 39 |
| 7 | Improving fiducial and prostate capsule visualization for radiotherapy planning using MRI. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 27-36. | 0.8 | 36 |
| 8 | Repeatability and sensitivity of measurements in patients with head and neck squamous cell carcinoma at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 72-80. | 1.9 | 27 |
| 9 | IPEM Topical Report: A 2018 IPEM survey of MRI use for external beam radiotherapy treatment planning in the UK. <i>Physics in Medicine and Biology</i> , 2019, 64, 175021. | 1.6 | 21 |
| 10 | Evaluation of diffusion models in breast cancer. <i>Medical Physics</i> , 2015, 42, 4833-4839. | 1.6 | 16 |
| 11 | IPEM topical report: guidance on the use of MRI for external beam radiotherapy treatment planning. <i>Physics in Medicine and Biology</i> , 2021, 66, 055025. | 1.6 | 16 |
| 12 | IPEM Topical Report: an international IPEM survey of MRI use for external beam radiotherapy treatment planning. <i>Physics in Medicine and Biology</i> , 2021, 66, 075007. | 1.6 | 11 |
| 13 | Slice Encoding for Metal Artefact Correction in magnetic resonance imaging examinations for radiotherapy planning. <i>Radiotherapy and Oncology</i> , 2016, 120, 356-362. | 0.3 | 10 |
| 14 | Investigating the Influence of Flip Angle and k-Space Sampling on Dynamic Contrast-Enhanced MRI Breast Examinations. <i>Academic Radiology</i> , 2014, 21, 1394-1401. | 1.3 | 8 |
| 15 | Breast dynamic contrast-enhanced examinations with fat suppression: Are contrast-agent uptake curves affected by magnetic field inhomogeneity?. <i>European Radiology</i> , 2013, 23, 1537-1545. | 2.3 | 6 |
| 16 | Characterizing Heterogeneity within Head and Neck Lesions Using Cluster Analysis of Multi-Parametric MRI Data. <i>PLoS ONE</i> , 2015, 10, e0138545. | 1.1 | 6 |
| 17 | A novel approach to evaluate spatial resolution of MRI clinical images for optimization and standardization of breast screening protocols. <i>Medical Physics</i> , 2016, 43, 6354-6363. | 1.6 | 5 |
| 18 | Pre-treatment functional MRI of breast cancer: T2* evaluation at 3T and relationship to dynamic contrast-enhanced and diffusion-weighted imaging. <i>Magnetic Resonance Imaging</i> , 2018, 52, 53-61. | 1.0 | 4 |

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|----|---|-----|-----------|
| 19 | Time-resolved angiography with stochastic trajectories for dynamic contrast-enhanced MRI in head and neck cancer: Are pharmacokinetic parameters affected?. <i>Medical Physics</i> , 2016, 43, 6024-6032. | 1.6 | 3 |
| 20 | An evaluation of systematic errors on marker-based registration of computed tomography and magnetic resonance images of the liver. <i>Physics and Imaging in Radiation Oncology</i> , 2018, 7, 27-31. | 1.2 | 3 |
| 21 | Phase-uncertainty quality map for two-point Dixon fat-water separation. <i>Physics in Medicine and Biology</i> , 2011, 56, N195-N205. | 1.6 | 2 |
| 22 | Breast density measurements with ultrasound tomography: a comparison with non-contrast MRI. <i>Breast Cancer Research</i> , 2015, 17, . | 2.2 | 2 |
| 23 | Descriptive analysis of MRI functional changes occurring during reduced dose radiotherapy for myxoid liposarcomas. <i>British Journal of Radiology</i> , 2021, 94, 20210310. | 1.0 | 1 |