

Anders AhnesjÃ¶

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

284
citations

1040056

9
h-index

940533

16
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21
all docs

21
docs citations

21
times ranked

365
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Report of AAPM Task Group 155: Megavoltage photon beam dosimetry in small fields and non-equilibrium conditions. <i>Medical Physics</i> , 2021, 48, e886-e921. | 3.0 | 50 |
| 2 | Evaluation of two commercial CT metal artifact reduction algorithms for use in proton radiotherapy treatment planning in the head and neck area. <i>Medical Physics</i> , 2018, 45, 4329-4344. | 3.0 | 41 |
| 3 | Collapsed cone dose calculations for heterogeneous tissues in brachytherapy using primary and scatter separation source data. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 139, 17-29. | 4.7 | 25 |
| 4 | The IMRT information processâ€”mastering the degrees of freedom in external beam therapy. <i>Physics in Medicine and Biology</i> , 2006, 51, R381-R402. | 3.0 | 23 |
| 5 | Dose painting by numbers based on retrospectively determined recurrence probabilities. <i>Radiotherapy and Oncology</i> , 2017, 122, 236-241. | 0.6 | 22 |
| 6 | Proton and light ion RBE for the induction of direct DNA double strand breaks. <i>Medical Physics</i> , 2016, 43, 2131-2140. | 3.0 | 20 |
| 7 | Energy deposition clustering as a functional radiation quality descriptor for modeling relative biological effectiveness. <i>Medical Physics</i> , 2016, 43, 6322-6335. | 3.0 | 19 |
| 8 | Dose painting of prostate cancer based on Gleason score correlations with apparent diffusion coefficients. <i>Acta Oncologica</i> , 2018, 57, 574-581. | 1.8 | 18 |
| 9 | Reproducibility of heart and thoracic wall position in repeated deep inspiration breath holds for radiotherapy of left-sided breast cancer patients. <i>Acta Oncologica</i> , 2018, 57, 1318-1324. | 1.8 | 17 |
| 10 | How much will linked deformable registrations decrease the quality of multi-atlas segmentation fusions?. <i>Radiation Oncology</i> , 2014, 9, 251. | 2.7 | 8 |
| 11 | Probabilistic optimization of dose coverage in radiotherapy. <i>Physics and Imaging in Radiation Oncology</i> , 2019, 10, 1-6. | 2.9 | 7 |
| 12 | Determination of subcellular compartment sizes for estimating dose variations in radiotherapy. <i>Radiation Protection Dosimetry</i> , 2015, 166, 361-364. | 0.8 | 6 |
| 13 | Robust maximization of tumor control probability for radicality constrained radiotherapy dose painting by numbers of head and neck cancer. <i>Physics and Imaging in Radiation Oncology</i> , 2019, 12, 56-62. | 2.9 | 5 |
| 14 | Robust treatment planning of dose painting for prostate cancer based on ADC-to-Gleason score mappings â€” what is the potential to increase the tumor control probability?. <i>Acta Oncologica</i> , 2021, 60, 199-206. | 1.8 | 5 |
| 15 | Target Size Variation in Microdosimetric Distributions and its Impact on the Linear-Quadratic Parameterization of Cell Survival. <i>Radiation Research</i> , 2018, 190, 504. | 1.5 | 4 |
| 16 | Evaluation of irregular breathing effects on internal target volume definition for lung cancer radiotherapy. <i>Medical Physics</i> , 2021, 48, 2136-2144. | 3.0 | 4 |
| 17 | Source modeling for Monte Carlo dose calculation of CT examinations with a radiotherapy treatment planning system. <i>Medical Physics</i> , 2016, 43, 6118-6128. | 3.0 | 3 |
| 18 | Evaluation of four surface surrogates for modeling lung tumor positions over several fractions in radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 103-112. | 1.9 | 3 |

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|----|--|-----|-----------|
| 19 | Toward automated and personalized organ dose determination in <sc>CT</sc> examinations – A comparison of two tissue characterization models for Monte Carlo organ dose calculation with a Therapy Planning System. Medical Physics, 2019, 46, 1012-1023. | 3.0 | 1 |
| 20 | Handling of beam spectra in training and application of proton RBE models. Physics in Medicine and Biology, 2021, 66, 185015. | 3.0 | 1 |