

Jens M Edmund

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

774
citations

933447

10
h-index

996975

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15
all docs

15
docs citations

15
times ranked

876
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Cone beam computed tomography based image guidance and quality assessment of prostate cancer for magnetic resonance imaging-only radiotherapy in the pelvis. <i>Physics and Imaging in Radiation Oncology</i> , 2021, 18, 55-60. | 2.9 | 4 |
| 2 | MR-based CT metal artifact reduction for head-and-neck photon, electron, and proton radiotherapy. <i>Medical Physics</i> , 2019, 46, 4314-4323. | 3.0 | 7 |
| 3 | Dual-energy material decomposition for cone-beam computed tomography in image-guided radiotherapy. <i>Acta Oncologica</i> , 2019, 58, 1483-1488. | 1.8 | 8 |
| 4 | A review of substitute CT generation for MRI-only radiation therapy. <i>Radiation Oncology</i> , 2017, 12, 28. | 2.7 | 278 |
| 5 | Incorrect dosimetric leaf separation in IMRT and VMAT treatment planning: Clinical impact and correlation with pretreatment quality assurance. <i>Physica Medica</i> , 2016, 32, 918-925. | 0.7 | 7 |
| 6 | A patch-based pseudo-CT approach for MRI-only radiotherapy in the pelvis. <i>Medical Physics</i> , 2016, 43, 4742-4752. | 3.0 | 63 |
| 7 | Cone beam computed tomography guided treatment delivery and planning verification for magnetic resonance imaging only radiotherapy of the brain. <i>Acta Oncologica</i> , 2015, 54, 1496-1500. | 1.8 | 34 |
| 8 | Patch-based generation of a pseudo CT from conventional MRI sequences for MRI-only radiotherapy of the brain. <i>Medical Physics</i> , 2015, 42, 1596-1605. | 3.0 | 119 |
| 9 | A voxel-based investigation for MRI-only radiotherapy of the brain using ultra short echo times. <i>Physics in Medicine and Biology</i> , 2014, 59, 7501-7519. | 3.0 | 89 |
| 10 | A criterion for the reliable use of MRI-only radiotherapy. <i>Radiation Oncology</i> , 2014, 9, 16. | 2.7 | 78 |
| 11 | Precision of RL/OSL medical dosimetry with fiber-coupled Al ₂ O ₃ :C: Influence of readout delay and temperature variations. <i>Radiation Measurements</i> , 2010, 45, 653-657. | 1.4 | 20 |
| 12 | Temperature coefficients for in vivo RL and OSL dosimetry using. <i>Radiation Measurements</i> , 2008, 43, 948-953. | 1.4 | 15 |
| 13 | A coupled RL and transport model for mixed-field proton irradiation of Al ₂ O ₃ :C. <i>Radiation Measurements</i> , 2008, 43, 1049-1053. | 1.4 | 6 |
| 14 | A track structure model of optically stimulated luminescence from Al ₂ O ₃ :C irradiated with 10-60 MeV protons. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 262, 261-275. | 1.4 | 20 |
| 15 | Temperature dependence of the Al ₂ O ₃ :C response in medical luminescence dosimetry. <i>Radiation Measurements</i> , 2007, 42, 177-189. | 1.4 | 26 |