# Astrid van der Horst

List of Publications by Year
in descending order



| 31 | 849 | 394286 19 | 526166 27 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 32 | 32 | 32 | 1005 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Gastric deformation models for adaptive radiotherapy: Personalized vs population-based strategy. Radiotherapy and Oncology, 2022, 166, 126-132. | 0.3 | 6 |
| 2 | Effect of gastrointestinal gas on the temperature distribution in pancreatic cancer hyperthermia treatment planning. International Journal of Hyperthermia, 2021, 38, 229-240. | 1.1 | 2 |
| 3 | Feasibility of cone beam CT-guided library of plans strategy in pre-operative gastric cancer radiotherapy. Radiotherapy and Oncology, 2020, 149, 49-54. | 0.3 | 12 |
| 4 | The clinical benefit of hyperthermia in pancreatic cancer: a systematic review. International Journal of Hyperthermia, 2018, 34, 969-979. | 1.1 | 41 |
| 5 | Comparing the dosimetric impact of interfractional anatomical changes in photon, proton and carbon ion radiotherapy for pancreatic cancer patients. Physics in Medicine and Biology, 2017, 62, 3051-3064. | 1.6 | 26 |
| 6 | Quality assurance of the PREOPANC trial (2012-003181-40) for preoperative radiochemotherapy in pancreatic cancer. Strahlentherapie Und Onkologie, 2017, 193, 630-638. | 1.0 | 7 |
| 7 | Addition of MRI for CT-based pancreatic tumor delineation: a feasibility study. Acta OncolÃ³gica, 2017, 56, 923-930. | 0.8 | 23 |
| 8 | Dosimetric effects of anatomical changes during fractionated photon radiation therapy in pancreatic cancer patients. Journal of Applied Clinical Medical Physics, 2017, 18, 142-151. | 0.8 | 14 |
| 9 | Considerable interobserver variation in delineation of pancreatic cancer on 3DCT and 4DCT: a multi-institutional study. Radiation Oncology, 2017, 12, 58. | 1.2 | 17 |
| 10 | Probabilistic treatment planning for pancreatic cancer treatment: prospective incorporation of respiratory motion shows only limited dosimetric benefit. Acta OncolÃ³gica, 2017, 56, 398-404. | 0.8 | 5 |
| 11 | Quantitative assessment of biliary stent artifacts on MR images: Potential implications for target delineation in radiotherapy. Medical Physics, 2016, 43, 5603-5615. | 1.6 | 7 |
| 12 | The impact of interfractional anatomical changes on the accumulated dose in carbon ion therapy of pancreatic cancer patients. Radiotherapy and Oncology, 2016, 119, 319-325. | 0.3 | 34 |
| 13 | Considerable pancreatic tumor motion during breath-holding. Acta OncolÃ³gica, 2016, 55, 1360-1368. | 0.8 | 32 |
| 14 | Abdominal organ motion during inhalation and exhalation breath-holds: pancreatic motion at different lung volumes compared. Radiotherapy and Oncology, 2016, 121, 268-275. | 0.3 | 37 |
| 15 | Visibility and artifacts of gold fiducial markers used for image guided radiation therapy of pancreatic cancer on MRI. Medical Physics, 2015, 42, 2638-2647. | 1.6 | 44 |
| 16 | Marker-based quantification of interfractional tumor position variation and the use of markers for setup verification in radiation therapy for esophageal cancer. Radiotherapy and Oncology, 2015, 117, 412-418. | 0.3 | 37 |
| 17 | Dosimetric Advantages of Midventilation Compared With Internal Target Volume for Radiation Therapy of Pancreatic Cancer. International Journal of Radiation Oncology Biology Physics, 2015, 92, 675-682. | 0.4 | 19 |
| 18 | Differences in respiratory-induced pancreatic tumor motion between 4D treatment planning CT and daily cone beam CT, measured using intratumoral fiducials. Acta OncolÃ³gica, 2014, 53, 1257-1264. | 0.8 | 55 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Limited Role for Biliary Stent as Surrogate Fiducial Marker in Pancreatic Cancer: Stent and Intratumoral Fiducials Compared. International Journal of Radiation Oncology Biology Physics, 2014, 89, 641-648. | 0.4 | 26 |
| 20 | Response:. Gastrointestinal Endoscopy, 2014, 80, 534. | 0.5 | 0 |
| 21 | EUS-guided fiducial markers placement with a 22-gauge needle for image-guided radiation therapy in pancreatic cancer. Gastrointestinal Endoscopy, 2014, 79, 851-855. | 0.5 | 60 |
| 22 | Interfractional Position Variation of Pancreatic Tumors Quantified Using Intratumoral Fiducial Markers and Daily Cone Beam Computed Tomography. International Journal of Radiation Oncology Biology Physics, 2013, 87, 202-208. | 0.4 | 71 |
| 23 | Stretching single DNA molecules to demonstrate highâ€force capabilities of holographic optical tweezers. Journal of Biophotonics, 2010, 3, 224-233. | 1.1 | 35 |
| 24 | Power spectral analysis for optical trap stiffness calibration from high-speed camera position detection with limited bandwidth. Optics Express, 2010, 18, 7670. | 1.7 | 58 |
| 25 | Mutual influence of time-shared optical traps studied by means of Video Holographic Microscopy. , 2009, , . | | 0 |
| 26 | Probing the Elasticity of Short Proteins with Optical Tweezers. , 2009, , . | | 3 |
| 27 | Position and Intensity Modulations in Holographic Optical Traps Created by a Liquid Crystal Spatial Light Modulator. , 2009, , . | | 2 |
| 28 | Calibration of dynamic holographic optical tweezers for force measurements on biomaterials. Optics Express, 2008, 16, 20987. | 1.7 | 75 |
| 29 | Manipulating metal-oxide nanowires using counter-propagating optical line tweezers. Optics Express, 2007, 15, 11629. | 1.7 | 41 |
| 30 | Colloidal epitaxy: Playing with the boundary conditions of colloidal crystallization. Faraday Discussions, 2003, 123, 107-119. | 1.6 | 40 |
| 31 | Interinstitutional variations of sensitometric curves of radiographic dosimetric films. Medical Physics, 2002, 29, 1772-1780. | 1.6 | 20 |