# Peter van Luijk

List of Publications by Year
in descending order



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|---|---|---|---|
| 51 papers | 2,631 citations | 159585 30 h-index | 206112 48 g-index |
| 52 all docs | 52 docs citations | 52 times ranked | 2912 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Parotid Gland Stem Cell Sparing Radiation Therapy for Patients With Head and Neck Cancer: A Double-Blind Randomized Controlled Trial. International Journal of Radiation Oncology Biology Physics, 2022, 112, 306-316. | 0.8 | 22 |
| 2 | In Reply to Sari and Yazici. International Journal of Radiation Oncology Biology Physics, 2022, 112, 1291-1293. | 0.8 | 0 |
| 3 | In Reply to Kashid et al.. International Journal of Radiation Oncology Biology Physics, 2022, 113, 904-905. | 0.8 | 0 |
| 4 | Mouse parotid salivary gland organoids for the in vitro study of stem cell radiation response. Oral Diseases, 2021, 27, 52-63. | 3.0 | 21 |
| 5 | Regional Responses in Radiation-Induced Normal Tissue Damage. Cancers, 2021, 13, 367. | 3.7 | 26 |
| 6 | Salivary and Dental Complications in Childhood Cancer Survivors Treated With Radiation Therapy to the Head and Neck: A Pediatric Normal Tissue Effects in the Clinic (PENTEC) Comprehensive Review. International Journal of Radiation Oncology Biology Physics, 2021, , . | 0.8 | 12 |
| 7 | Combining Clinical and Dosimetric Features in a PBS Proton Therapy Cohort to Develop a NTCP Model for Radiation-Induced Optic Neuropathy. International Journal of Radiation Oncology Biology Physics, 2021, 110, 587-595. | 0.8 | 9 |
| 8 | Radiation-Induced Myocardial Fibrosis in Long-Term Esophageal Cancer Survivors. International Journal of Radiation Oncology Biology Physics, 2021, 110, 1013-1021. | 0.8 | 19 |
| 9 | Late cardiac toxicity of neo-adjuvant chemoradiation in esophageal cancer survivors: a prospective cross-sectional pilot study. Radiotherapy and Oncology, 2021, , . | 0.6 | 4 |
| 10 | Can we safely reduce the radiation dose to the heart while compromising the dose to the lungs in oesophageal cancer patients?. Radiotherapy and Oncology, 2020, 149, 222-227. | 0.6 | 14 |
| 11 | Prevention and treatment of radiotherapyâ€induced side effects. Molecular Oncology, 2020, 14, 1538-1554. | 4.6 | 77 |
| 12 | The Acute and Early Effects of Whole-Brain Irradiation on Glial Activation, Brain Metabolism, and Behavior: a Positron Emission Tomography Study. Molecular Imaging and Biology, 2020, 22, 1012-1020. | 2.6 | 8 |
| 13 | In vitro biological response of cancer and normal tissue cells to proton irradiation not affected by an added magnetic field. Radiotherapy and Oncology, 2019, 137, 125-129. | 0.6 | 9 |
| 14 | Cardiac Function After Radiation Therapy for Breast Cancer. International Journal of Radiation Oncology Biology Physics, 2019, 104, 392-400. | 0.8 | 22 |
| 15 | Radiation-induced lung disease. , 2019, , 612-614. | | 0 |
| 16 | Patient-derived tumor organoids for prediction of cancer treatment response. Seminars in Cancer Biology, 2018, 53, 258-264. | 9.6 | 122 |
| 17 | Lack of DNA Damage Response at Low Radiation Doses in Adult Stem Cells Contributes to Organ Dysfunction. Clinical Cancer Research, 2018, 24, 6583-6593. | 7.0 | 31 |
| 18 | A new method to assess pulmonary changes using <sup>18</sup>F-fluoro-2-deoxyglucose positron emission tomography for lung cancer patients following radiotherapy. Acta OncolÃ³gica, 2017, 56, 1597-1603. | 1.8 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Understanding mechanisms yields novel approaches to reduce radiotherapy-related xerostomia. Annals of Translational Medicine, 2017, 5, 63-63. | 1.7 | 3 |
| 20 | Decreasing Irradiated Rat Lung Volume Changes Dose-Limiting Toxicity From Early to Late Effects. International Journal of Radiation Oncology Biology Physics, 2016, 94, 163-171. | 0.8 | 14 |
| 21 | ACE inhibition attenuates radiation-induced cardiopulmonary damage. Radiotherapy and Oncology, 2015, 114, 96-103. | 0.6 | 97 |
| 22 | Is cardiac toxicity a relevant issue in the radiation treatment of esophageal cancer?. Radiotherapy and Oncology, 2015, 114, 85-90. | 0.6 | 116 |
| 23 | Sparing the region of the salivary gland containing stem cells preserves saliva production after radiotherapy for head and neck cancer. Science Translational Medicine, 2015, 7, 305ra147. | 12.4 | 165 |
| 24 | Current ideas to reduce or salvage radiation damage to salivary glands. Oral Diseases, 2015, 21, e1-10. | 3.0 | 87 |
| 25 | A new CT-based method to quantify radiation-induced lung damage in patients. Radiotherapy and Oncology, 2015, 117, 4-8. | 0.6 | 33 |
| 26 | The QUANTEC criteria for parotid gland dose and their efficacy to prevent moderate to severe patient-rated xerostomia. Acta OncolÃ³gica, 2014, 53, 597-604. | 1.8 | 68 |
| 27 | Stem Cell Therapies for the Treatment of Radiation-Induced Normal Tissue Side Effects. Antioxidants and Redox Signaling, 2014, 21, 338-355. | 5.4 | 70 |
| 28 | Biological Considerations When Comparing Proton Therapy With Photon Therapy. Seminars in Radiation Oncology, 2013, 23, 77-87. | 2.2 | 82 |
| 29 | High and Low LET Radiation Differentially Induce Normal Tissue Damage Signals. International Journal of Radiation Oncology Biology Physics, 2012, 83, 1291-1297. | 0.8 | 58 |
| 30 | Physiological Interaction of Heart and Lung in Thoracic Irradiation. International Journal of Radiation Oncology Biology Physics, 2012, 84, e639-e646. | 0.8 | 130 |
| 31 | Multivariate modeling of complications with data driven variable selection: Guarding against overfitting and effects of data set size. Radiotherapy and Oncology, 2012, 105, 115-121. | 0.6 | 53 |
| 32 | Biological mechanisms of normal tissue damage: Importance for the design of NTCP models. Radiotherapy and Oncology, 2012, 105, 79-85. | 0.6 | 67 |
| 33 | External validation of three dimensional conformal radiotherapy based NTCP models for patient-rated xerostomia and sticky saliva among patients treated with intensity modulated radiotherapy. Radiotherapy and Oncology, 2012, 105, 94-100. | 0.6 | 53 |
| 34 | Lung irradiation induces pulmonary vascular remodelling resembling pulmonary arterial hypertension. Thorax, 2012, 67, 334-341. | 5.6 | 61 |
| 35 | NTCP models for patient-rated xerostomia and sticky saliva after treatment with intensity modulated radiotherapy for head and neck cancer: The role of dosimetric and clinical factors. Radiotherapy and Oncology, 2012, 105, 101-106. | 0.6 | 149 |
| 36 | Development of a facility for highâ€precision irradiation of cells with carbon ions. Medical Physics, 2011, 38, 256-263. | 3.0 | 4 |

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|---|---|---|---|
| 37 | Volume-Dependent Expression of In-Field and Out-of-Field Effects in the Proton-Irradiated Rat Lung. International Journal of Radiation Oncology Biology Physics, 2011, 81, 262-269. | 0.8 | 15 |
| 38 | Quantifying Local Radiation-Induced Lung Damage From Computed Tomography. International Journal of Radiation Oncology Biology Physics, 2010, 76, 548-556. | 0.8 | 39 |
| 39 | Bath and Shower Effects in the Rat Parotid Gland Explain Increased Relative Risk of Parotid Gland Dysfunction After Intensity-Modulated Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2009, 74, 1002-1005. | 0.8 | 59 |
| 40 | Protection of Salivary Function by Concomitant Pilocarpine During Radiotherapy: A Double-Blind, Randomized, Placebo-Controlled Study. International Journal of Radiation Oncology Biology Physics, 2008, 70, 14-22. | 0.8 | 88 |
| 41 | Changes in Expression of Injury After Irradiation of Increasing Volumes in Rat Lung. International Journal of Radiation Oncology Biology Physics, 2007, 67, 1510-1518. | 0.8 | 47 |
| 42 | The Impact of Heart Irradiation on Doseâ€“Volume Effects in the Rat Lung. International Journal of Radiation Oncology Biology Physics, 2007, 69, 552-559. | 0.8 | 76 |
| 43 | Influence of adjacent low-dose fields on tolerance to high doses of protons in rat cervical spinal cord. International Journal of Radiation Oncology Biology Physics, 2006, 64, 1204-1210. | 0.8 | 52 |
| 44 | Relation between radiation-induced whole lung functional loss and regional structural changes in partial irradiated rat lung. International Journal of Radiation Oncology Biology Physics, 2006, 64, 1495-1502. | 0.8 | 19 |
| 45 | Regional differences in radiosensitivity across the rat cervical spinal cord. International Journal of Radiation Oncology Biology Physics, 2005, 61, 543-551. | 0.8 | 72 |
| 46 | Data on doseâ€“volume effects in the rat spinal cord do not support existing NTCP models. International Journal of Radiation Oncology Biology Physics, 2005, 61, 892-900. | 0.8 | 35 |
| 47 | Volume effects and region-dependent radiosensitivity of the parotid gland. International Journal of Radiation Oncology Biology Physics, 2005, 62, 1090-1095. | 0.8 | 74 |
| 48 | Pulmonary Radiation Injury: Identification of Risk Factors Associated with Regional Hypersensitivity. Cancer Research, 2005, 65, 3568-3576. | 0.9 | 52 |
| 49 | Radiation Damage to the Heart Enhances Early Radiation-Induced Lung Function Loss: Figure 1.. Cancer Research, 2005, 65, 6509-6511. | 0.9 | 83 |
| 50 | Unexpected changes of rat cervical spinal cord tolerance caused by inhomogeneous dose distributions. International Journal of Radiation Oncology Biology Physics, 2003, 57, 274-281. | 0.8 | 111 |
| 51 | Dose-volume effects in the rat cervical spinal cord after proton irradiation. International Journal of Radiation Oncology Biology Physics, 2002, 52, 205-211. | 0.8 | 97 |