# Johan Bussink

## List of Publications by Year in descending order

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|---|---|---|---|
| 216 papers | 16,232 citations | 22099 59 h-index | 17546 121 g-index |
| 220 all docs | 220 docs citations | 220 times ranked | 21454 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Novel VHH-Based Tracers with Variable Plasma Half-Lives for Imaging of CAIX-Expressing Hypoxic Tumor Cells. Molecular Pharmaceutics, 2022, 19, 3511-3520. | 2.3 | 6 |
| 2 | ATG12 deficiency results in intracellular glutamine depletion, abrogation of tumor hypoxia and a favorable prognosis in cancer. Autophagy, 2022, 18, 1898-1914. | 4.3 | 11 |
| 3 | Segmentation Uncertainty Estimation as a Sanity Check for Image Biomarker Studies. Cancers, 2022, 14, 1288. | 1.7 | 0 |
| 4 | PD-L1 Antibody Pharmacokinetics and Tumor Targeting in Mouse Models for Infectious Diseases. Frontiers in Immunology, 2022, 13, 837370. | 2.2 | 5 |
| 5 | Combining Targeted Radionuclide Therapy and Immune Checkpoint Inhibition for Cancer Treatment. Clinical Cancer Research, 2022, 28, 3652-3657. | 3.2 | 12 |
| 6 | Genotyping and Characterization of HPV Status, Hypoxia, and Radiosensitivity in 22 Head and Neck Cancer Cell Lines. Cancers, 2021, 13, 1069. | 1.7 | 5 |
| 7 | Letter to the editor: Hypoxia kinetics and histology in combined radiotherapy and oxidative phosphorylation inhibition effects on antitumor immunity. , 2021, 9, e001793. | | 1 |
| 8 | Radiotherapy and cGAS/STING signaling: Impact on MDSCs in the tumor microenvironment. Cellular Immunology, 2021, 362, 104298. | 1.4 | 35 |
| 9 | The Influence of the Exclusion of Central Necrosis on [18F]FDG PET Radiomic Analysis. Diagnostics, 2021, 11, 1296. | 1.3 | 6 |
| 10 | Imaging carbonic anhydrase IX as a method for monitoring hypoxia-related radioresistance in preclinical head and neck cancer models. Physics and Imaging in Radiation Oncology, 2021, 19, 145-150. | 1.2 | 2 |
| 11 | Targeting Oxidative Phosphorylation to Increase the Efficacy of Radio- and Immune-Combination Therapy. Clinical Cancer Research, 2021, 27, 2970-2978. | 3.2 | 44 |
| 12 | Deep learning model for automatic contouring of cardiovascular substructures on radiotherapy planning CT images: Dosimetric validation and reader study based clinical acceptability testing. Radiotherapy and Oncology, 2021, 165, 52-59. | 0.3 | 14 |
| 13 | Radiomics integration into a picture archiving and communication system. Physics and Imaging in Radiation Oncology, 2021, 20, 30-33. | 1.2 | 5 |
| 14 | A systematic review and quality of reporting checklist for repeatability and reproducibility of radiomic features. Physics and Imaging in Radiation Oncology, 2021, 20, 69-75. | 1.2 | 37 |
| 15 | Secretion of proâ€angiogenic extracellular vesicles during hypoxia is dependent on the autophagyâ€related protein GABARAPL1. Journal of Extracellular Vesicles, 2021, 10, e12166. | 5.5 | 14 |
| 16 | Imaging the Rewired Metabolism in Lung Cancer in Relation to Immune Therapy. Frontiers in Oncology, 2021, 11, 786089. | 1.3 | 2 |
| 17 | Distributed learning on 20 000+ lung cancer patients â€“ The Personal Health Train. Radiotherapy and Oncology, 2020, 144, 189-200. | 0.3 | 97 |
| 18 | Photons or protons for reirradiation in (non-)small cell lung cancer: Results of the multicentric ROCOCO in silico study. British Journal of Radiology, 2020, 93, 20190879. | 1.0 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Deletion of haematopoietic Dectin-2 or CARD9 does not protect from atherosclerosis development under hyperglycaemic conditions. Diabetes and Vascular Disease Research, 2020, 17, 147916411989214. | 0.9 | 6 |
| 20 | National societies' needs as assessed by the ESTRO National Societies Committee survey: A European perspective. Radiotherapy and Oncology, 2020, 151, 176-181. | 0.3 | 3 |
| 21 | Adding the temporal domain to PET radiomic features. PLoS ONE, 2020, 15, e0239438. | 1.1 | 12 |
| 22 | AKT inhibition as a strategy for targeting hypoxic HPV-positive HNSCC. Radiotherapy and Oncology, 2020, 149, 1-7. | 0.3 | 7 |
| 23 | Stereotactic ablative body radiotherapy (SABR) combined with immunotherapy (L19-IL2) versus standard of care in stage IV NSCLC patients, ImmunoSABR: a multicentre, randomised controlled open-label phase II trial. BMC Cancer, 2020, 20, 557. | 1.1 | 29 |
| 24 | Changes in DNA Damage Repair Gene Expression and Cell Cycle Gene Expression Do Not Explain Radioresistance in Tamoxifen-Resistant Breast Cancer. Oncology Research, 2020, 28, 33-40. | 0.6 | 12 |
| 25 | Practice recommendations for lung cancer radiotherapy during the COVID-19 pandemic: An ESTRO-ASTRO consensus statement. Radiotherapy and Oncology, 2020, 147, 227-228. | 0.3 | 9 |
| 26 | Adding the temporal domain to PET radiomic features. , 2020, 15, e0239438. | | 0 |
| 27 | Adding the temporal domain to PET radiomic features. , 2020, 15, e0239438. | | 0 |
| 28 | Adding the temporal domain to PET radiomic features. , 2020, 15, e0239438. | | 0 |
| 29 | Adding the temporal domain to PET radiomic features. , 2020, 15, e0239438. | | 0 |
| 30 | HPV, hypoxia and radiation response in head and neck cancer. British Journal of Radiology, 2019, 92, 20180047. | 1.0 | 44 |
| 31 | Downregulation of matrix Gla protein is a biomarker for tamoxifen-resistant and radioresistant breast cancer. Biomarkers in Medicine, 2019, 13, 841-850. | 0.6 | 3 |
| 32 | Inhibition of CDK4/CDK6 Enhances Radiosensitivity of HPV Negative Head and Neck Squamous Cell Carcinomas. International Journal of Radiation Oncology Biology Physics, 2019, 105, 548-558. | 0.4 | 37 |
| 33 | Inter-observer variability in target delineation increases during adaptive treatment of head-and-neck and lung cancer. Acta OncolÃ³gica, 2019, 58, 1378-1385. | 0.8 | 24 |
| 34 | Distributed radiomics as a signature validation study using the Personal Health Train infrastructure. Scientific Data, 2019, 6, 218. | 2.4 | 37 |
| 35 | The Role of Hypoxia and the Immune System in Tumor Radioresistance. Cancers, 2019, 11, 1555. | 1.7 | 8 |
| 36 | Glucose and glutamine metabolism in relation to mutational status in NSCLC histological subtypes. Thoracic Cancer, 2019, 10, 2289-2299. | 0.8 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Learning from scanners: Bias reduction and feature correction in radiomics. Clinical and Translational Radiation Oncology, 2019, 19, 33-38. | 0.9 | 54 |
| 38 | Comparison of dose metrics between automated and manual radiotherapy planning for advanced stage non-small cell lung cancer with volumetric modulated arc therapy. Physics and Imaging in Radiation Oncology, 2019, 9, 92-96. | 1.2 | 10 |
| 39 | Longitudinal radiomics of cone-beam CT images from non-small cell lung cancer patients: Evaluation of the added prognostic value for overall survival and locoregional recurrence. Radiotherapy and Oncology, 2019, 136, 78-85. | 0.3 | 48 |
| 40 | Poor outcome in hypoxic endometrial carcinoma is related to vascular density. British Journal of Cancer, 2019, 120, 1037-1044. | 2.9 | 10 |
| 41 | Deletion of hematopoietic Dectin-2 or CARD9 does not protect against atherosclerotic plaque formation in hyperlipidemic mice. Scientific Reports, 2019, 9, 4337. | 1.6 | 10 |
| 42 | Tracers for non-invasive radionuclide imaging of immune checkpoint expression in cancer. EJNMMI Radiopharmacy and Chemistry, 2019, 4, 29. | 1.8 | 23 |
| 43 | Comparative evaluation of affibody- and antibody fragments-based CAIX imaging probes in mice bearing renal cell carcinoma xenografts. Scientific Reports, 2019, 9, 14907. | 1.6 | 14 |
| 44 | CAIX-targeting radiotracers for hypoxia imaging in head and neck cancer models. Scientific Reports, 2019, 9, 18898. | 1.6 | 22 |
| 45 | ACLY (ATP Citrate Lyase) Mediates Radioresistance in Head and Neck Squamous Cell Carcinomas and is a Novel Predictive Radiotherapy Biomarker. Cancers, 2019, 11, 1971. | 1.7 | 21 |
| 46 | Quantitative Imaging of the Hypoxia-Related Marker CAIX in Head and Neck Squamous Cell Carcinoma Xenograft Models. Molecular Pharmaceutics, 2019, 16, 701-708. | 2.3 | 20 |
| 47 | PD-L1 microSPECT/CT Imaging for Longitudinal Monitoring of PD-L1 Expression in Syngeneic and Humanized Mouse Models for Cancer. Cancer Immunology Research, 2019, 7, 150-161. | 1.6 | 29 |
| 48 | Interferon-Stimulated Genes Are Involved in Cross-resistance to Radiotherapy in Tamoxifen-Resistant Breast Cancer. Clinical Cancer Research, 2018, 24, 3397-3408. | 3.2 | 68 |
| 49 | EGFRvIII expression triggers a metabolic dependency and therapeutic vulnerability sensitive to autophagy inhibition. Autophagy, 2018, 14, 283-295. | 4.3 | 38 |
| 50 | Improved Evaluation of Antivascular Cancer Therapy Using Constrained Tracer-Kinetic Modeling for Multiagent Dynamic Contrast-Enhanced MRI. Cancer Research, 2018, 78, 1561-1570. | 0.4 | 12 |
| 51 | Deep learning for lung cancer prognostication: A retrospective multi-cohort radiomics study. PLoS Medicine, 2018, 15, e1002711. | 3.9 | 385 |
| 52 | External validation of an NTCP model for acute esophageal toxicity in locally advanced NSCLC patients treated with intensity-modulated (chemo-)radiotherapy. Radiotherapy and Oncology, 2018, 129, 249-256. | 0.3 | 8 |
| 53 | Targeting glucose and glutamine metabolism combined with radiation therapy in non-small cell lung cancer. Lung Cancer, 2018, 126, 32-40. | 0.9 | 33 |
| 54 | Stereotactic radiotherapy boost after definite chemoradiation for non-responding locally advanced NSCLC based on early response monitoring 18F-FDG-PET/CT. Physics and Imaging in Radiation Oncology, 2018, 7, 16-22. | 1.2 | 4 |

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|---|---|---|---|
| 55 | Machine learning algorithms for outcome prediction in (chemo)radiotherapy: An empirical comparison of classifiers. Medical Physics, 2018, 45, 3449-3459. | 1.6 | 214 |
| 56 | 18F-fluorodeoxyglucose positron-emission tomography (FDG-PET)-Radiomics of metastatic lymph nodes and primary tumor in non-small cell lung cancer (NSCLC) â€“ A prospective externally validated study. PLoS ONE, 2018, 13, e0192859. | 1.1 | 57 |
| 57 | Image-guided adaptive radiotherapy in patients with locally advanced non-small cell lung cancer: the art of PET. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2018, 62, 369-384. | 0.4 | 6 |
| 58 | Survival prediction of non-small cell lung cancer patients using radiomics analyses of cone-beam CT images. Radiotherapy and Oncology, 2017, 123, 363-369. | 0.3 | 136 |
| 59 | Tumor Delineation and Quantitative Assessment of Glucose Metabolic Rate within Histologic Subtypes of Nonâ€“Small Cell Lung Cancer by Using Dynamic <sup>18</sup>F Fluorodeoxyglucose PET. Radiology, 2017, 283, 547-559. | 3.6 | 16 |
| 60 | Inclusion of Incidental Radiation Dose to the Cardiac Atria and Ventricles Does Not Improve the Prediction of Radiation Pneumonitis in Advanced-Stage Non-Small Cell Lung Cancer Patients Treated With Intensity Modulated Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2017, 99, 434-441. | 0.4 | 16 |
| 61 | Esophageal wall dose-surface maps do not improve the predictive performance of a multivariable NTCP model for acute esophageal toxicity in advanced stage NSCLC patients treated with intensity-modulated (chemo-)radiotherapy. Physics in Medicine and Biology, 2017, 62, 3668-3681. | 1.6 | 10 |
| 62 | The Predictive Value of Early In-Treatment <sup>18</sup>F-FDG PET/CT Response to Chemotherapy in Combination with Bevacizumab in Advanced Nonsquamous Nonâ€“Small Cell Lung Cancer. Journal of Nuclear Medicine, 2017, 58, 1243-1248. | 2.8 | 13 |
| 63 | Radiation-induced rib fractures after stereotactic body radiation therapy: Predict to prevent?. Radiotherapy and Oncology, 2017, 123, 173-175. | 0.3 | 1 |
| 64 | Comparison of toxicity and outcome in advanced stage non-small cell lung cancer patients treated with intensity-modulated (chemo-)radiotherapy using IMRT or VMAT. Radiotherapy and Oncology, 2017, 122, 295-299. | 0.3 | 31 |
| 65 | Preclinical validation of 111 In-girentuximab-F(abâ€²) 2 as a tracer to image hypoxia related marker CAIX expression in head and neck cancer xenografts. Radiotherapy and Oncology, 2017, 124, 521-525. | 0.3 | 13 |
| 66 | The potential of hyperpolarized <sup>13</sup>C magnetic resonance spectroscopy to monitor the effect of combretastatin based vascular disrupting agents. Acta OncolÃ³gica, 2017, 56, 1626-1633. | 0.8 | 9 |
| 67 | Exploratory Study to Identify Radiomics Classifiers for Lung Cancer Histology. Frontiers in Oncology, 2016, 6, 71. | 1.3 | 306 |
| 68 | Adverse effect of smoking on prognosis in human papillomavirusâ€“associated oropharyngeal carcinoma. Head and Neck, 2016, 38, 1780-1787. | 0.9 | 20 |
| 69 | Engineered microparticles delivering oxygen to enhance radiotherapy efficacy. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8009-E8009. | 3.3 | 2 |
| 70 | Performance of automatic image segmentation algorithms for calculating total lesion glycolysis for early response monitoring in non-small cell lung cancer patients during concomitant chemoradiotherapy. Radiotherapy and Oncology, 2016, 119, 473-479. | 0.3 | 17 |
| 71 | Development of symptomatic brain metastases after chemoradiotherapy for stage III non-small cell lung cancer: Does the type of chemotherapy regimen matter?. Lung Cancer, 2016, 101, 68-75. | 0.9 | 11 |
| 72 | Radiation Promptly Alters Cancer Live Cell Metabolic Fluxes: An In Vitro Demonstration. Radiation Research, 2016, 185, 496. | 0.7 | 5 |

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|---|---|---|---|
| 73 | PET of EGFR with <sup>64</sup>Cuâ€cetuximabâ€F(abâ€²)<sub>2</sub> in mice with head and neck squamous cell carcinoma xenografts. Contrast Media and Molecular Imaging, 2016, 11, 65-70. | 0.4 | 26 |
| 74 | The Impact of Optimal Respiratory Gating and Image Noise on Evaluation of Intratumor Heterogeneity on <sup>18</sup>F-FDG PET Imaging of Lung Cancer. Journal of Nuclear Medicine, 2016, 57, 1692-1698. | 2.8 | 67 |
| 75 | Interaction between hypoxia, AKT and HIF-1 signaling in HNSCC and NSCLC: implications for future treatment strategies. Future Science OA, 2016, 2, FSO84. | 0.9 | 25 |
| 76 | Stereotactic versus conventional radiotherapy for pain reduction and quality of life in spinal metastases: study protocol for a randomized controlled trial. Trials, 2016, 17, 61. | 0.7 | 11 |
| 77 | Evaluating the use of optimally respiratory gated 18F-FDG-PET in target volume delineation and its influence on radiation doses to the organs at risk in non-small-cell lung cancer patients. Nuclear Medicine Communications, 2016, 37, 66-73. | 0.5 | 8 |
| 78 | Machine Learning methods for Quantitative Radiomic Biomarkers. Scientific Reports, 2015, 5, 13087. | 1.6 | 744 |
| 79 | Prognostic value of the proliferation marker Kiâ€67 in laryngeal carcinoma: Results of the Accelerated Radiotherapy with Carbogen Breathing and Nicotinamide phase III randomized trial. Head and Neck, 2015, 37, 171-176. | 0.9 | 18 |
| 80 | Hypoxic regulation of the PERK/ATF4/LAMP3â€arm of the unfolded protein response in head and neck squamous cell carcinoma. Head and Neck, 2015, 37, 896-905. | 0.9 | 28 |
| 81 | Update on F-18-fluoro-deoxy-glucose-PET/computed tomography in nonsmall cell lung cancer. Current Opinion in Pulmonary Medicine, 2015, 21, 314-321. | 1.2 | 20 |
| 82 | Radiomic feature clusters and Prognostic Signatures specific for Lung and Head & Neck cancer. Scientific Reports, 2015, 5, 11044. | 1.6 | 384 |
| 83 | Poor prognosis of constitutive Î³-H2AX expressing triple-negative breast cancers is associated with telomere length. Biomarkers in Medicine, 2015, 9, 383-390. | 0.6 | 17 |
| 84 | Biology of Hypoxia. Seminars in Nuclear Medicine, 2015, 45, 101-109. | 2.5 | 121 |
| 85 | <sup>111</sup>In-Cetuximab-F(abâ€²)<sub>2</sub> SPECT and <sup>18</sup>F-FDG PET for Prediction and Response Monitoring of Combined-Modality Treatment of Human Head and Neck Carcinomas in a Mouse Model. Journal of Nuclear Medicine, 2015, 56, 287-292. | 2.8 | 20 |
| 86 | GABARAPL1 is required for increased EGFR membrane expression during hypoxia. Radiotherapy and Oncology, 2015, 116, 417-422. | 0.3 | 28 |
| 87 | In response to â€œHistopathologic validation of 3â€²-deoxy-3â€²-18F-fluorothymidine PET for detecting tumour repopulation during fractionated radiotherapy in human FaDu squamous cell carcinoma in nude miceâ€. Radiotherapy and Oncology, 2015, 114, 417-418. | 0.3 | 0 |
| 88 | PET Imaging in Head and Neck Cancer Patients to Monitor Treatment Response: A Future Role for EGFR-Targeted Imaging. Clinical Cancer Research, 2015, 21, 3602-3609. | 3.2 | 25 |
| 89 | PET in the management of locally advanced and metastatic NSCLC. Nature Reviews Clinical Oncology, 2015, 12, 395-407. | 12.5 | 75 |
| 90 | Multivariable normal-tissue complication modeling of acute esophageal toxicity in advanced stage non-small cell lung cancer patients treated with intensity-modulated (chemo-)radiotherapy. Radiotherapy and Oncology, 2015, 117, 49-54. | 0.3 | 55 |

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|---|---|---|---|
| 91 | The mechanical microenvironment in cancer: How physics affects tumours. Seminars in Cancer Biology, 2015, 35, 62-70. | 4.3 | 107 |
| 92 | Epidermal growth factor receptor imaging in human head and neck cancer xenografts. Acta OncolÃ³gica, 2015, 54, 1263-1267. | 0.8 | 7 |
| 93 | Î³-H2AX Foci in Peripheral Blood Lymphocytes to Quantify Radiation-Induced DNA Damage After 177Lu-DOTA-Octreotate Peptide Receptor Radionuclide Therapy. Journal of Nuclear Medicine, 2015, 56, 501-502. | 2.8 | 5 |
| 94 | Therapeutic targeting of autophagy in cancer. Part I: Molecular pathways controlling autophagy. Seminars in Cancer Biology, 2015, 31, 89-98. | 4.3 | 47 |
| 95 | Therapeutic targeting of autophagy in cancer. Part II: Pharmacological modulation of treatment-induced autophagy. Seminars in Cancer Biology, 2015, 31, 99-105. | 4.3 | 69 |
| 96 | Tumor Microenvironmental Changes Induced by the Sulfamate Carbonic Anhydrase IX Inhibitor S4 in a Laryngeal Tumor Model. PLoS ONE, 2014, 9, e108068. | 1.1 | 18 |
| 97 | Early Response Monitoring with <sup>18</sup>F-FDG PET and Cetuximab-F(abâ€²)<sub>2</sub>-SPECT After Radiotherapy of Human Head and Neck Squamous Cell Carcinomas in a Mouse Model. Journal of Nuclear Medicine, 2014, 55, 1665-1670. | 2.8 | 11 |
| 98 | In-treatment assessment of response in locally advanced NSCLC: Paving the way for personalized medicine. Lung Cancer, 2014, 86, 374. | 0.9 | 0 |
| 99 | Glucose Metabolism in NSCLC Is Histology-Specific and Diverges the Prognostic Potential of 18FDG-PET for Adenocarcinoma and Squamous Cell Carcinoma. Journal of Thoracic Oncology, 2014, 9, 1485-1493. | 0.5 | 107 |
| 100 | The Effect of Carbogen Breathing and Nicotinamide Added to Standard (Chemo)Radiation Treatment of Advanced Cervical Cancer in Indonesia. International Journal of Gynecological Cancer, 2014, 24, 1628-1635. | 1.2 | 8 |
| 101 | Improved Recurrence-Free Survival with ARCON for Anemic Patients with Laryngeal Cancer. Clinical Cancer Research, 2014, 20, 1345-1354. | 3.2 | 43 |
| 102 | Semiautomatic methods for segmentation of the proliferative tumour volume on sequential FLT PET/CT images in head and neck carcinomas and their relation to clinical outcome. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 915-924. | 3.3 | 31 |
| 103 | Improving chemoradiation efficacy by PI3-K/AKT inhibition. Cancer Treatment Reviews, 2014, 40, 1182-1191. | 3.4 | 39 |
| 104 | Decoding tumour phenotype by noninvasive imaging using a quantitative radiomics approach. Nature Communications, 2014, 5, 4006. | 5.8 | 3,355 |
| 105 | The unfolded protein response as a target for cancer therapy. Biochimica Et Biophysica Acta: Reviews on Cancer, 2014, 1846, 277-284. | 3.3 | 60 |
| 106 | LAMP3 is involved in tamoxifen resistance in breast cancer cells through the modulation of autophagy. Endocrine-Related Cancer, 2014, 21, 101-112. | 1.6 | 82 |
| 107 | Systematic analysis of 18F-FDG PET and metabolism, proliferation and hypoxia markers for classification of head and neck tumors. BMC Cancer, 2014, 14, 130. | 1.1 | 19 |
| 108 | Effect of hypoxia on the expression of Î±B-crystallin in head and neck squamous cell carcinoma. BMC Cancer, 2014, 14, 252. | 1.1 | 17 |

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|---|---|---|---|
| 109 | Imaging Integrin Î±<sub>v</sub>Î²<sub>3</sub> on Blood Vessels with <sup>111</sup>In-RGD<sub>2</sub> in Head and Neck Tumor Xenografts. Journal of Nuclear Medicine, 2014, 55, 281-286. | 2.8 | 24 |
| 110 | Hypoxia stimulates migration of breast cancer cells via the PERK/ATF4/LAMP3-arm of the unfolded protein response. Breast Cancer Research, 2013, 15, R2. | 2.2 | 194 |
| 111 | The autophagy associated gene, ULK1, promotes tolerance to chronic and acute hypoxia. Radiotherapy and Oncology, 2013, 108, 529-534. | 0.3 | 44 |
| 112 | Î±B-crystallin stimulates VEGF secretion and tumor cell migration and correlates with enhanced distant metastasis in head and neck squamous cell carcinoma. BMC Cancer, 2013, 13, 128. | 1.1 | 30 |
| 113 | Interaction of EGFR with the tumour microenvironment: Implications for radiation treatment. Radiotherapy and Oncology, 2013, 108, 17-23. | 0.3 | 42 |
| 114 | Diffusion-weighted MR imaging in liver metastases of colorectal cancer: reproducibility and biological validation. European Radiology, 2013, 23, 748-756. | 2.3 | 65 |
| 115 | Dasatinib Inhibits DNA Repair after Radiotherapy Specifically in pSFK-Expressing Tumor Areas in Head and Neck Xenograft Tumors. Translational Oncology, 2013, 6, 413-419. | 1.7 | 9 |
| 116 | Hypoxia, metabolism, and growth factor signaling in head and neck squamous cell carcinoma: Correlation between primary and xenograft tumors. Head and Neck, 2013, 36, n/a-n/a. | 0.9 | 9 |
| 117 | Molecular PET imaging for biology-guided adaptive radiotherapy of head and neck cancer. Acta OncolÃ³gica, 2013, 52, 1257-1271. | 0.8 | 50 |
| 118 | Safety and efficacy of sequential chemotherapy with carboplatin plus gemcitabine followed by weekly paclitaxel in advanced non-small cell lung cancer. International Journal of Clinical Oncology, 2013, 18, 988-996. | 1.0 | 5 |
| 119 | Generation of multicellular tumor spheroids of breast cancer cells: How to go three-dimensional. Analytical Biochemistry, 2013, 437, 17-19. | 1.1 | 57 |
| 120 | The PERK/ATF4/LAMP3-arm of the unfolded protein response affects radioresistance by interfering with the DNA damage response. Radiotherapy and Oncology, 2013, 108, 415-421. | 0.3 | 83 |
| 121 | Cardiac comorbidity is an independent risk factor for radiation-induced lung toxicity in lung cancer patients. Radiotherapy and Oncology, 2013, 109, 100-106. | 0.3 | 50 |
| 122 | Epidermal growth factor receptor expression in laryngeal cancer predicts the effect of hypoxia modification as an additive to accelerated radiotherapy in a randomised controlled trial. European Journal of Cancer, 2013, 49, 3202-3209. | 1.3 | 27 |
| 123 | EGFR overexpressing cells and tumors are dependent on autophagy for growth and survival. Radiotherapy and Oncology, 2013, 108, 479-483. | 0.3 | 38 |
| 124 | Prediction of response to radiotherapy in the treatment of esophageal cancer using stem cell markers. Radiotherapy and Oncology, 2013, 107, 434-441. | 0.3 | 63 |
| 125 | Predictive value of hypoxia, proliferation and tyrosine kinase receptors for EGFR-inhibition and radiotherapy sensitivity in head and neck cancer models. Radiotherapy and Oncology, 2013, 106, 383-389. | 0.3 | 36 |
| 126 | 111In-cetuximab-F(abâ€™)2 SPECT imaging for quantification of accessible epidermal growth factor receptors (EGFR) in HNSCC xenografts. Radiotherapy and Oncology, 2013, 108, 484-488. | 0.3 | 17 |

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|---|---|---|---|
| 127 | High NOTCH activity induces radiation resistance in non small cell lung cancer. Radiotherapy and Oncology, 2013, 108, 440-445. | 0.3 | 60 |
| 128 | Low Phosphorylated AKT Expression in Laryngeal Cancer: Indications for a Higher Metastatic Risk. International Journal of Radiation Oncology Biology Physics, 2013, 87, 349-355. | 0.4 | 6 |
| 129 | Pattern of CAIX expression is prognostic for outcome and predicts response to ARCON in patients with laryngeal cancer treated in a phase III randomized trial. Radiotherapy and Oncology, 2013, 108, 517-522. | 0.3 | 42 |
| 130 | <sup>18</sup>F-FLT PET During Radiotherapy or Chemoradiotherapy in Head and Neck Squamous Cell Carcinoma Is an Early Predictor of Outcome. Journal of Nuclear Medicine, 2013, 54, 532-540. | 2.8 | 111 |
| 131 | PERK/eIF2Î± signaling protects therapy resistant hypoxic cells through induction of glutathione synthesis and protection against ROS. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4622-4627. | 3.3 | 193 |
| 132 | Toll-like receptor 4 in bone marrow-derived cells as well as tissue-resident cells participate in aggravating autoimmune destructive arthritis. Annals of the Rheumatic Diseases, 2013, 72, 1407-1415. | 0.5 | 4 |
| 133 | Imaging of Epidermal Growth Factor Receptor Expression in Head and Neck Cancer with SPECT/CT and <sup>111</sup>In-Labeled Cetuximab-F(abâ€²)<sub>2</sub>. Journal of Nuclear Medicine, 2013, 54, 2118-2124. | 2.8 | 42 |
| 134 | <sup>18</sup>F-FDG PET Early Response Evaluation of Locally Advanced Nonâ€“Small Cell Lung Cancer Treated with Concomitant Chemoradiotherapy. Journal of Nuclear Medicine, 2013, 54, 1528-1534. | 2.8 | 104 |
| 135 | Combining radiotherapy with MEK1/2, STAT5 or STAT6 inhibition reduces survival of head and neck cancer lines. Molecular Cancer, 2013, 12, 133. | 7.9 | 25 |
| 136 | Balancing Radiation Pneumonitis Versus Locoregional Tumor Control in Nonâ€“Small-Cell Lung Cancer. Journal of Thoracic Oncology, 2013, 8, e35-e36. | 0.5 | 0 |
| 137 | Balancing Radiation Pneumonitis Versus Locoregional Tumor Control in Nonâ€“Small-Cell Lung Cancer. Journal of Thoracic Oncology, 2013, 8, e47. | 0.5 | 0 |
| 138 | Hypoxia Regulation of Phosphokinases and the Prognostic Value of pAKT in Breast Cancer. International Journal of Biological Markers, 2013, 28, 151-160. | 0.7 | 11 |
| 139 | Î±B-Crystallin Expression is Correlated with Phospho-ERK1/2 Expression in Human Breast Cancer. International Journal of Biological Markers, 2013, 28, 365-370. | 0.7 | 5 |
| 140 | Combretastatin A-4 Phosphate Affects Tumor Vessel Volume and Size Distribution as Assessed Using MRI-Based Vessel Size Imaging. Clinical Cancer Research, 2012, 18, 6469-6477. | 3.2 | 27 |
| 141 | Targeting Hypoxia, HIF-1, and Tumor Glucose Metabolism to Improve Radiotherapy Efficacy. Clinical Cancer Research, 2012, 18, 5585-5594. | 3.2 | 374 |
| 142 | Individualized Dose Prescription for Hypofractionation in Advanced Non-Small-Cell Lung Cancer Radiotherapy: An in silico Trial. International Journal of Radiation Oncology Biology Physics, 2012, 83, 1596-1602. | 0.4 | 31 |
| 143 | Expression of EGFR Under Tumor Hypoxia: Identification of a Subpopulation of Tumor Cells Responsible for Aggressiveness and Treatment Resistance. International Journal of Radiation Oncology Biology Physics, 2012, 84, 807-814. | 0.4 | 24 |
| 144 | Activation of AKT by hypoxia: a potential target for hypoxic tumors of the head and neck. BMC Cancer, 2012, 12, 463. | 1.1 | 58 |

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|---|---|---|---|
| 145 | Identification of residual metabolic-active areas within NSCLC tumours using a pre-radiotherapy FDG-PET-CT scan: A prospective validation. Lung Cancer, 2012, 75, 73-76. | 0.9 | 97 |
| 146 | Differences in metabolism between adeno- and squamous cell non-small cell lung carcinomas: Spatial distribution and prognostic value of GLUT1 and MCT4. Lung Cancer, 2012, 76, 316-323. | 0.9 | 99 |
| 147 | Reproducibility of functional volume and activity concentration in 18F-FDG PET/CT of liver metastases in colorectal cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 1858-1867. | 3.3 | 24 |
| 148 | Treatment outcome and toxicity of intensity-modulated (chemo) radiotherapy in stage III non-small cell lung cancer patients. Radiation Oncology, 2012, 7, 150. | 1.2 | 33 |
| 149 | 64Cu-ATSM and 18FDG PET uptake and 64Cu-ATSM autoradiography in spontaneous canine tumors: comparison with pimonidazole hypoxia immunohistochemistry. Radiation Oncology, 2012, 7, 89. | 1.2 | 36 |
| 150 | Vascular responses to radiotherapy and androgen-deprivation therapy in experimental prostate cancer. Radiation Oncology, 2012, 7, 75. | 1.2 | 25 |
| 151 | Regulation of TRIB3 mRNA and Protein in Breast Cancer. PLoS ONE, 2012, 7, e49439. | 1.1 | 28 |
| 152 | EBUS and EUS guided fine needle aspirations for molecular diagnostic analysis in lung cancer. Thoracic Cancer, 2012, 3, 201-206. | 0.8 | 3 |
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