

Morten Busk

List of Publications by Year in descending order

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39
papers

2,075
citations

331670

21
h-index

345221

36
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42
all docs

42
docs citations

42
times ranked

2877
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging hypoxia to improve radiotherapy outcome. <i>Nature Reviews Clinical Oncology</i> , 2012, 9, 674-687.	27.6	519
2	FAZA PET/CT hypoxia imaging in patients with squamous cell carcinoma of the head and neck treated with radiotherapy: Results from the DAHANCA 24 trial. <i>Radiotherapy and Oncology</i> , 2012, 105, 14-20.	0.6	266
3	Development of a Hypoxia Gene Expression Classifier with Predictive Impact for Hypoxic Modification of Radiotherapy in Head and Neck Cancer. <i>Cancer Research</i> , 2011, 71, 5923-5931.	0.9	226
4	Cellular uptake of PET tracers of glucose metabolism and hypoxia and their linkage. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 2294-2303.	6.4	104
5	Aerobic glycolysis in cancers: Implications for the usability of oxygen-responsive genes and fluorodeoxyglucose-PET as markers of tissue hypoxia. <i>International Journal of Cancer</i> , 2008, 122, 2726-2734.	5.1	104
6	Radiosensitivity and effect of hypoxia in HPV positive head and neck cancer cells. <i>Radiotherapy and Oncology</i> , 2013, 108, 500-505.	0.6	95
7	Targeting tumour hypoxia to prevent cancer metastasis. From biology, biosensing and technology to drug development: the METOXIA consortium. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 689-721.	5.2	93
8	Imaging Hypoxia in Xenografted and Murine Tumors With 18F-Fluoroazomycin Arabinoside: A Comparative Study Involving microPET, Autoradiography, Po2-Polarography, and Fluorescence Microscopy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 1202-1212.	0.8	79
9	Resolution in PET hypoxia imaging: Voxel size matters. <i>Acta Oncologica</i> , 2008, 47, 1201-1210.	1.8	62
10	Can hypoxia-PET map hypoxic cell density heterogeneity accurately in an animal tumor model at a clinically obtainable image contrast?. <i>Radiotherapy and Oncology</i> , 2009, 92, 429-436.	0.6	50
11	Assessing radiation response using hypoxia PET imaging and oxygen sensitive electrodes: A preclinical study. <i>Radiotherapy and Oncology</i> , 2011, 99, 418-423.	0.6	40
12	Imaging of Tumor Hypoxia for Radiotherapy: Current Status and Future Directions. <i>Seminars in Nuclear Medicine</i> , 2020, 50, 562-583.	4.6	40
13	⁶⁴ Cu-ATSM and ¹⁸ F-FDG PET uptake and ⁶⁴ Cu-ATSM autoradiography in spontaneous canine tumors: comparison with pimonidazole hypoxia immunohistochemistry. <i>Radiation Oncology</i> , 2012, 7, 89.	2.7	36
14	Assessing hypoxia in animal tumor models based on pharmacokinetic analysis of dynamic FAZA PET. <i>Acta Oncologica</i> , 2010, 49, 922-933.	1.8	35
15	Metformin targets brown adipose tissue in vivo and reduces oxygen consumption in vitro. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 2264-2273.	4.4	35
16	Inhibition of tumor lactate oxidation: Consequences for the tumor microenvironment. <i>Radiotherapy and Oncology</i> , 2011, 99, 404-411.	0.6	31
17	APD-Containing Cyclolipopeptides Target Mitochondrial Function in Hypoxic Cancer Cells. <i>Cell Chemical Biology</i> , 2018, 25, 1337-1349.e12.	5.2	27
18	Characterization and radiosensitivity of HPV-related oropharyngeal squamous cell carcinoma patient-derived xenografts. <i>Acta Oncologica</i> , 2019, 58, 1489-1494.	1.8	27

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19	The usability of a 15-gene hypoxia classifier as a universal hypoxia profile in various cancer cell types. <i>Radiotherapy and Oncology</i> , 2015, 116, 346-351.	0.6	26
20	Results from 11C-metformin-PET scans, tissue analysis and cellular drug-sensitivity assays questions the view that biguanides affects tumor respiration directly. <i>Scientific Reports</i> , 2017, 7, 9436.	3.3	25
21	PET imaging of tumor hypoxia using ¹⁸ F-labeled pimonidazole. <i>Acta Oncologica</i> , 2013, 52, 1300-1307.	1.8	24
22	A PET Tracer for Renal Organic Cation Transporters, ¹¹ C-Metformin: Radiosynthesis and Preclinical Proof-of-Concept Studies. <i>Journal of Nuclear Medicine</i> , 2016, 57, 615-621.	5.0	20
23	Simultaneous Hypoxia and Low Extracellular pH Suppress Overall Metabolic Rate and Protein Synthesis In Vitro. <i>PLoS ONE</i> , 2015, 10, e0134955.	2.5	19
24	Combretastatin-induced hypertension and the consequences for its combination with other therapies. <i>Vascular Pharmacology</i> , 2011, 54, 13-17.	2.1	16
25	Effect of radiation on cell proliferation and tumor hypoxia in HPV-positive head and neck cancer in vivo models. <i>Anticancer Research</i> , 2014, 34, 6297-304.	1.1	14
26	In vivo Identification and Specificity assessment of mRNA markers of hypoxia in human and mouse tumors. <i>BMC Cancer</i> , 2011, 11, 63.	2.6	12
27	The potential of hyperpolarized ¹³ C magnetic resonance spectroscopy to monitor the effect of combretastatin based vascular disrupting agents. <i>Acta Oncologica</i> , 2017, 56, 1626-1633.	1.8	9
28	Hyperpolarized magnetic resonance spectroscopy for assessing tumor hypoxia. <i>Acta Oncologica</i> , 2015, 54, 1393-1398.	1.8	8
29	FDG-PET reproducibility in tumor-bearing mice: comparing a traditional SUV approach with a tumor-to-brain tissue ratio approach. <i>Acta Oncologica</i> , 2017, 56, 706-712.	1.8	6
30	Imaging tumour physiology and vasculature to predict and assess response to heat. <i>International Journal of Hyperthermia</i> , 2010, 26, 264-272.	2.5	5
31	Hypoxia positron emission tomography imaging: combining information on perfusion and tracer retention to improve hypoxia specificity. <i>Acta Oncologica</i> , 2017, 56, 1583-1590.	1.8	5
32	Dual-tracer PET of viable tumor volume and hypoxia for identification of necrosis-containing radio-resistant Sub-volumes. <i>Acta Oncologica</i> , 2019, 58, 1476-1482.	1.8	5
33	In vivo bio-distribution and homing of endothelial outgrowth cells in a tumour model. <i>Nuclear Medicine and Biology</i> , 2014, 41, 848-855.	0.6	4
34	Intrinsic Heart Regeneration in Adult Vertebrates May be Strictly Limited to Low-Metabolic Ectotherms. <i>BioEssays</i> , 2020, 42, e2000054.	2.5	4
35	Refinement of an Established Procedure and Its Application for Identification of Hypoxia in Prostate Cancer Xenografts. <i>Cancers</i> , 2021, 13, 2602.	3.7	2
36	Hypoxia and Radiation Therapy. <i>Cancer Drug Discovery and Development</i> , 2014, , 265-281.	0.4	1

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37	In vitro hypoxia responsiveness of [18F] FDG and [18F] FAZA retention: influence of shaking versus stagnant conditions, glass versus polystyrene substrata and cell number down-scaling. EJNMMI Radiopharmacy and Chemistry, 2020, 5, 14.	3.9	1
38	Clinical Imaging of Hypoxia. Cancer Drug Discovery and Development, 2014, , 179-201.	0.4	0
39	Does Metabolism Regulate Cardiac Repair in the Regeneration Competent Axolotl Salamander?. FASEB Journal, 2022, 36, .	0.5	0