Morten Busk

List of Publications by Year in descending order

39 papers	2,075 citations	331670 21 h-index	345221 36 g-index
42 all docs	42 docs citations	42 times ranked	2877 citing authors

#	Article	IF	Citations
1	Does Metabolism Regulate Cardiac Repair in the Regeneration Competent Axolotl Salamander?. FASEB Journal, 2022, 36, .	0.5	0
2	Refinement of an Established Procedure and Its Application for Identification of Hypoxia in Prostate Cancer Xenografts. Cancers, 2021, 13, 2602.	3.7	2
3	Intrinsic Heart Regeneration in Adult Vertebrates May be Strictly Limited to Lowâ€Metabolic Ectotherms. BioEssays, 2020, 42, e2000054.	2.5	4
4	Imaging of Tumor Hypoxia for Radiotherapy: Current Status and Future Directions. Seminars in Nuclear Medicine, 2020, 50, 562-583.	4.6	40
5	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
6	Dual-tracer PET of viable tumor volume and hypoxia for identification of necrosis-containing radio-resistant Sub-volumes. Acta OncolÃ³gica, 2019, 58, 1476-1482.	1.8	5
7	Characterization and radiosensitivity of HPV-related oropharyngeal squamous cell carcinoma patient-derived xenografts. Acta OncolÃ³gica, 2019, 58, 1489-1494.	1.8	27
8	Metformin targets brown adipose tissue in vivo and reduces oxygen consumption in vitro. Diabetes, Obesity and Metabolism, 2018, 20, 2264-2273.	4.4	35
9	APD-Containing Cyclolipodepsipeptides Target Mitochondrial Function in Hypoxic Cancer Cells. Cell Chemical Biology, 2018, 25, 1337-1349.e12.	5.2	27
10	FDG-PET reproducibility in tumor-bearing mice: comparing a traditional SUV approach with a tumor-to-brain tissue ratio approach. Acta OncolÃ³gica, 2017, 56, 706-712.	1.8	6
11	Results from 11C-metformin-PET scans, tissue analysis and cellular drug-sensitivity assays questions the view that biguanides affects tumor respiration directly. Scientific Reports, 2017, 7, 9436.	3.3	25
12	The potential of hyperpolarized ¹³C magnetic resonance spectroscopy to monitor the effect of combretastatin based vascular disrupting agents. Acta OncolÃ³gica, 2017, 56, 1626-1633.	1.8	9
13	Hypoxia positron emission tomography imaging: combining information on perfusion and tracer retention to improve hypoxia specificity. Acta OncolÃ³gica, 2017, 56, 1583-1590.	1.8	5
14	A PET Tracer for Renal Organic Cation Transporters, ¹¹C-Metformin: Radiosynthesis and Preclinical Proof-of-Concept Studies. Journal of Nuclear Medicine, 2016, 57, 615-621.	5.0	20
15	The usability of a 15-gene hypoxia classifier as a universal hypoxia profile in various cancer cell types. Radiotherapy and Oncology, 2015, 116, 346-351.	0.6	26
16	Hyperpolarized magnetic resonance spectroscopy for assessing tumor hypoxia. Acta OncolÃ³gica, 2015, 54, 1393-1398.	1.8	8
17	Targeting tumour hypoxia to prevent cancer metastasis. From biology, biosensing and technology to drug development: the METOXIA consortium. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 689-721.	5.2	93
18	Simultaneous Hypoxia and Low Extracellular pH Suppress Overall Metabolic Rate and Protein Synthesis In Vitro. PLoS ONE, 2015, 10, e0134955.	2.5	19

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19	Clinical Imaging of Hypoxia. Cancer Drug Discovery and Development, 2014, , 179-201.	0.4	0
20	In vivo bio-distribution and homing of endothelial outgrowth cells in a tumour model. Nuclear Medicine and Biology, 2014, 41, 848-855.	0.6	4
21	Hypoxia and Radiation Therapy. Cancer Drug Discovery and Development, 2014, , 265-281.	0.4	1
22	Effect of radiation on cell proliferation and tumor hypoxia in HPV-positive head and neck cancer in vivo models. Anticancer Research, 2014, 34, 6297-304.	1.1	14
23	Radiosensitivity and effect of hypoxia in HPV positive head and neck cancer cells. Radiotherapy and Oncology, 2013, 108, 500-505.	0.6	95
24	PET imaging of tumor hypoxia using¹⁸F-labeled pimonidazole. Acta OncolÃ³gica, 2013, 52, 1300-1307.	1.8	24
25	Imaging hypoxia to improve radiotherapy outcome. Nature Reviews Clinical Oncology, 2012, 9, 674-687.	27.6	519
26	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. Radiotherapy and Oncology, 2012, 105, 14-20.	0.6	266
27	64Cu-ATSM and 18FDG PET uptake and 64Cu-ATSM autoradiography in spontaneous canine tumors: comparison with pimonidazole hypoxia immunohistochemistry. Radiation Oncology, 2012, 7, 89.	2.7	36
28	Inhibition of tumor lactate oxidation: Consequences for the tumor microenvironment. Radiotherapy and Oncology, 2011, 99, 404-411.	0.6	31
29	Accessing radiation response using hypoxia PET imaging and oxygen sensitive electrodes: A preclinical study. Radiotherapy and Oncology, 2011, 99, 418-423.	0.6	40
30	Combretastatin-induced hypertension and the consequences for its combination with other therapies. Vascular Pharmacology, 2011, 54, 13-17.	2.1	16
31	In vivo Identification and Specificity assessment of mRNA markers of hypoxia in human and mouse tumors. BMC Cancer, 2011, 11, 63.	2.6	12
32	Development of a Hypoxia Gene Expression Classifier with Predictive Impact for Hypoxic Modification of Radiotherapy in Head and Neck Cancer. Cancer Research, 2011, 71, 5923-5931.	0.9	226
33	Imaging tumour physiology and vasculature to predict and assess response to heat. International Journal of Hyperthermia, 2010, 26, 264-272.	2.5	5
34	Assessing hypoxia in animal tumor models based on pharmocokinetic analysis of dynamic FAZA PET. Acta OncolÃ³gica, 2010, 49, 922-933.	1.8	35
35	Can hypoxia-PET map hypoxic cell density heterogeneity accurately in an animal tumor model at a clinically obtainable image contrast?. Radiotherapy and Oncology, 2009, 92, 429-436.	0.6	50
36	Cellular uptake of PET tracers of glucose metabolism and hypoxia and their linkage. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 2294-2303.	6.4	104

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37	Aerobic glycolysis in cancers: Implications for the usability of oxygenâ€responsive genes and fluorodeoxyglucoseâ€PET as markers of tissue hypoxia. International Journal of Cancer, 2008, 122, 2726-2734.	5.1	104
38	Imaging Hypoxia in Xenografted and Murine Tumors With 18F-Fluoroazomycin Arabinoside: A Comparative Study Involving microPET, Autoradiography, Po2-Polarography, and Fluorescence Microscopy. International Journal of Radiation Oncology Biology Physics, 2008, 70, 1202-1212.	0.8	79
39	Resolution in PET hypoxia imaging: Voxel size matters. Acta OncolÃ³gica, 2008, 47, 1201-1210.	1.8	62