

Rafal Panek

List of Publications by Year in descending order

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17
papers

575
citations

687363

13
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1129
citing authors

#	ARTICLE	IF	CITATIONS
1	Model Free Approach to Kinetic Analysis of Real-Time Hyperpolarized ¹³ C Magnetic Resonance Spectroscopy Data. <i>PLoS ONE</i> , 2013, 8, e71996.	2.5	134
2	A dedicated spectrometer for dissolution DNP NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5883.	2.8	92
3	The Predictive Value of Early Assessment After 1 Cycle of Induction Chemotherapy with ¹⁸ F-FDG PET/CT and Diffusion-Weighted MRI for Response to Radical Chemoradiotherapy in Head and Neck Squamous Cell Carcinoma. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1843-1850.	5.0	49
4	The emerging potential of magnetic resonance imaging in personalizing radiotherapy for head and neck cancer: an oncologist's perspective. <i>British Journal of Radiology</i> , 2017, 90, 20160768.	2.2	39
5	Changes in multimodality functional imaging parameters early during chemoradiation predict treatment response in patients with locally advanced head and neck cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 759-767.	6.4	35
6	Slice-selective single scan proton COSY with dynamic nuclear polarisation. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5771.	2.8	34
7	Noninvasive Imaging of Cycling Hypoxia in Head and Neck Cancer Using Intrinsic Susceptibility MRI. <i>Clinical Cancer Research</i> , 2017, 23, 4233-4241.	7.0	33
8	MRI-based Assessment of 3D Intrafractional Motion of Head and Neck Cancer for Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 100, 306-316.	0.8	28
9	Repeatability and sensitivity of measurements in patients with head and neck squamous cell carcinoma at 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 72-80.	3.4	27
10	Blood transfusion during radical chemo-radiotherapy does not reduce tumour hypoxia in squamous cell cancer of the head and neck. <i>British Journal of Cancer</i> , 2017, 116, 28-35.	6.4	20
11	Quantifying the transfer and settling in NMR experiments with sample shuttling. <i>Journal of Chemical Physics</i> , 2010, 132, 244507.	3.0	16
12	Evaluation of diffusion models in breast cancer. <i>Medical Physics</i> , 2015, 42, 4833-4839.	3.0	16
13	Prospective, longitudinal, multi-modal functional imaging for radical chemo-IMRT treatment of locally advanced head and neck cancer: the INSIGHT study. <i>Radiation Oncology</i> , 2015, 10, 112.	2.7	15
14	Lung volume reproducibility under ABC control and self-sustained breath-holding. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 154-162.	1.9	15
15	Slice Encoding for Metal Artefact Correction in magnetic resonance imaging examinations for radiotherapy planning. <i>Radiotherapy and Oncology</i> , 2016, 120, 356-362.	0.6	10
16	Pre-clinical imaging of transgenic mouse models of neuroblastoma using a dedicated 3-element solenoid coil on a clinical 3T platform. <i>British Journal of Cancer</i> , 2017, 117, 791-800.	6.4	9
17	Time-resolved angiography with stochastic trajectories for dynamic contrast-enhanced MRI in head and neck cancer: Are pharmacokinetic parameters affected?. <i>Medical Physics</i> , 2016, 43, 6024-6032.	3.0	3