

Yves De Deene

List of Publications by Year in descending order

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44
papers

1,884
citations

361045

20
h-index

360668

35
g-index

44
all docs

44
docs citations

44
times ranked

2289
citing authors

#	ARTICLE	IF	CITATIONS
1	MRI-Based Attenuation Correction for PET/MRI Using Ultrashort Echo Time Sequences. Journal of Nuclear Medicine, 2010, 51, 812-818.	2.8	497
2	Dynamic contrast-enhanced MR imaging of musculoskeletal tumors: Basic principles and clinical applications. Journal of Magnetic Resonance Imaging, 1996, 6, 311-321.	1.9	137
3	Simulation and experimental verification of the diffusion in an anisotropic fiber phantom. Journal of Magnetic Resonance, 2008, 190, 189-199.	1.2	116
4	Whole abdominopelvic radiotherapy (WAPRT) using intensity-modulated arc therapy (IMAT): first clinical experience. International Journal of Radiation Oncology Biology Physics, 2003, 57, 1019-1032.	0.4	96
5	Clinical delivery of intensity modulated conformal radiotherapy for relapsed or second-primary head and neck cancer using a multileaf collimator with dynamic control. Radiotherapy and Oncology, 1999, 50, 301-314.	0.3	89
6	³¹ P-MRS demonstrates a reduction in high-energy phosphates in the occipital lobe of migraine without aura patients. Cephalalgia, 2011, 31, 1243-1253.	1.8	87
7	Investigation of ultrasonic properties of PAC and MAGIC polymer gel dosimeters. Physics in Medicine and Biology, 2002, 47, 4397-4409.	1.6	80
8	On the validity of 3D polymer gel dosimetry: III. MRI-related error sources. Physics in Medicine and Biology, 2013, 58, 63-85.	1.6	77
9	Age-related differences in metabolites in the posterior cingulate cortex and hippocampus of normal ageing brain: A ¹ H-MRS study. European Journal of Radiology, 2012, 81, e223-e231.	1.2	75
10	Modelling optical scattering artefacts for varying pathlength in a gel dosimeter phantom. Physics in Medicine and Biology, 2009, 54, 275-283.	1.6	61
11	On the validity of 3D polymer gel dosimetry: I. Reproducibility study. Physics in Medicine and Biology, 2013, 58, 19-42.	1.6	61
12	The design of anisotropic diffusion phantoms for the validation of diffusion weighted magnetic resonance imaging. Physics in Medicine and Biology, 2008, 53, 5405-5419.	1.6	60
13	Evaluation of radiochromic gel dosimetry and polymer gel dosimetry in a clinical dose verification. Physics in Medicine and Biology, 2013, 58, 6241-6262.	1.6	59
14	Gel dosimetry for the dose verification of Intensity Modulated Radiotherapy Treatments. Zeitschrift Fur Medizinische Physik, 2002, 12, 77-88.	0.6	47
15	On the validity of 3D polymer gel dosimetry: II. Physico-chemical effects. Physics in Medicine and Biology, 2013, 58, 43-61.	1.6	43
16	Application of monomer/polymer gel dosimetry to study the effects of tissue inhomogeneities on intensity-modulated radiation therapy (IMRT) dose distributions. Radiotherapy and Oncology, 2003, 67, 119-128.	0.3	42
17	Three dimensional radiation dosimetry in lung-equivalent regions by use of a radiation sensitive gel foam: Proof of principle. Medical Physics, 2006, 33, 2586-2597.	1.6	39
18	Absolute quantification of carnosine in human calf muscle by proton magnetic resonance spectroscopy. Physics in Medicine and Biology, 2007, 52, 6781-6794.	1.6	31

#	ARTICLE	IF	CITATIONS
19	Does visual cortex lactate increase following photic stimulation in migraine without aura patients? A functional 1H-MRS study. <i>Journal of Headache and Pain</i> , 2011, 12, 295-302.	2.5	29
20	1H-MRS of brain metabolites in migraine without aura: absolute quantification using the phantom replacement technique. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2010, 23, 227-241.	1.1	24
21	Towards real-time 4D radiation dosimetry on an MRI-Linac. <i>Physics in Medicine and Biology</i> , 2020, 65, 225031.	1.6	19
22	Precision analysis of kinetic modelling estimates in dynamic contrast enhanced MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2011, 24, 51-66.	1.1	18
23	Uncertainty in 3D gel dosimetry. <i>Journal of Physics: Conference Series</i> , 2015, 573, 012008.	0.3	18
24	The effect of experimental low back pain on lumbar muscle activity in people with a history of clinical low back pain: a muscle functional MRI study. <i>Journal of Neurophysiology</i> , 2016, 115, 851-857.	0.9	16
25	MR-based attenuation correction for PET using an Ultrashort Echo Time (UTE) sequence. , 2008, , .		9
26	An oxygen-consuming phantom simulating perfused tissue to explore oxygen dynamics and 19F MRI oximetry. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2010, 23, 217-226.	1.1	8
27	Physico-chemical properties and optimization of the deformable FlexyDos3D radiation dosimeter. <i>Physics in Medicine and Biology</i> , 2018, 63, 215028.	1.6	8
28	Optical CT scanning for experimental demonstration of medical x-ray CT and SPECT. <i>European Journal of Physics</i> , 2019, 40, 024001.	0.3	8
29	Tuneable manganese oxide nanoparticle based theranostic agents for potential diagnosis and drug delivery. <i>Nanoscale Advances</i> , 2021, 3, 4052-4061.	2.2	7
30	Flexydos3D: A new deformable anthropomorphic 3D dosimeter readout with optical CT scanning. <i>Journal of Physics: Conference Series</i> , 2015, 573, 012025.	0.3	6
31	First order correction for T_2^* relaxation in determining contrast agent concentration from spoiled gradient echo pulse sequence signal intensity. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 710-715.	1.9	5
32	Low-density polymer gel dosimeters for 3D radiation dosimetry in the thoracic region: A preliminary study. <i>Journal of Physics: Conference Series</i> , 2013, 444, 012026.	0.3	4
33	A multi-modality medical imaging head and neck phantom: Part 1. Design and fabrication. <i>Physica Medica</i> , 2022, 96, 166-178.	0.4	3
34	A multi-modality medical imaging head and neck phantom: Part 2. Medical imaging. <i>Physica Medica</i> , 2022, 96, 179-197.	0.4	2
35	Validation of models for the diffusion weighted MR signal in brain white matter. , 2008, , .		1
36	Computational simulations of the influence of noise in optical CT reconstruction. <i>Journal of Physics: Conference Series</i> , 2015, 573, 012076.	0.3	1

#	ARTICLE	IF	CITATIONS
37	Making and assessing 3D dosimeters. Journal of Physics: Conference Series, 2019, 1305, 012037.	0.3	1
38	SIMULATION OF THE DIFFUSION IN THE INTERSTITIAL SPACE OF A FIBER PHANTOM. , 2007, , .		0
39	QUANTITATIVE PROTON MAGNETIC RESONANCE SPECTROSCOPY IN PRESENCE OF SIDEBANDS. , 2007, , .		0
40	Dual wavelength optical CT scanning of anthropomorphic shaped 3D dosimeters. Journal of Physics: Conference Series, 2015, 573, 012058.	0.3	0
41	Convergence of SART + OS + TV iterative reconstruction algorithm for optical CT imaging of gel dosimeters. Journal of Physics: Conference Series, 2017, 847, 012025.	0.3	0
42	Computational simulations of the influence of background noise removal in optical-CT imaging of gel dosimeters. Journal of Physics: Conference Series, 2017, 847, 012068.	0.3	0
43	Computational simulations of the influence of angular rotation deviations in optical CT imaging of gel dosimeters. Journal of Physics: Conference Series, 2017, 847, 012069.	0.3	0
44	On the chemical stability of 3D monomer/polymer gel dosimetry. , 2000, , 380-382.		0