

Assen S Kirov

List of Publications by Year in descending order

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31
papers

2,061
citations

448610

19
h-index

511568

30
g-index

32
all docs

32
docs citations

32
times ranked

2534
citing authors

#	ARTICLE	IF	CITATIONS
1	Interventional molecular imaging. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2021, 65, 1-3.	0.4	1
2	Practice and prospects for PET/CT guided interventions. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2021, 65, 20-31.	0.4	9
3	Advanced Monte Carlo simulations of emission tomography imaging systems with GATE. Physics in Medicine and Biology, 2021, 66, 10TR03.	1.6	82
4	CD38-targeted Immuno-PET of Multiple Myeloma: From Xenograft Models to First-in-Human Imaging. Radiology, 2020, 295, 606-615.	3.6	73
5	KRAS mutation effects on the 2-[18F]FDG PET uptake of colorectal adenocarcinoma metastases in the liver. EJNMMI Research, 2020, 10, 142.	1.1	4
6	Technical Note: Scintillation well counters and particle counting digital autoradiography devices can be used to detect activities associated with genomic profiling adequacy of biopsy specimens obtained after a low activity ¹⁸ F-FDG injection. Medical Physics, 2018, 45, 2179-2185.	1.6	8
7	The first MICCAI challenge on PET tumor segmentation. Medical Image Analysis, 2018, 44, 177-195.	7.0	116
8	Classification and evaluation strategies of auto-segmentation approaches for PET: Report of AAPM task group No. 211. Medical Physics, 2017, 44, e1-e42.	1.6	162
9	Toward a standard for the evaluation of PET auto-segmentation methods following the recommendations of AAPM task group No. 211: Requirements and implementation. Medical Physics, 2017, 44, 4098-4111.	1.6	35
10	Evaluation of the tumor registration error in biopsy procedures performed under real-time PET/CT guidance. Medical Physics, 2017, 44, 5089-5095.	1.6	5
11	Ga-68 DOTATOC PET/CT-Guided Biopsy and Cryoablation with Autoradiography of Biopsy Specimen for Treatment of Tumor-Induced Osteomalacia. CardioVascular and Interventional Radiology, 2016, 39, 1352-1357.	0.9	19
12	PETSTEP: Generation of synthetic PET lesions for fast evaluation of segmentation methods. Physica Medica, 2015, 31, 969-980.	0.4	28
13	Feasibility of In Situ, High-Resolution Correlation of Tracer Uptake with Histopathology by Quantitative Autoradiography of Biopsy Specimens Obtained Under ¹⁸ F-FDG PET/CT Guidance. Journal of Nuclear Medicine, 2015, 56, 538-544.	2.8	28
14	Pathology-validated PET image data sets and their role in PET segmentation. Clinical and Translational Imaging, 2014, 2, 253-267.	1.1	13
15	32P Brachytherapy Conformal Source Model RIC-100 for High-Dose-Rate Treatment of Superficial Disease: Monte Carlo Calculations, Diode Measurements, and Clinical Implementation. International Journal of Radiation Oncology Biology Physics, 2014, 88, 746-752.	0.4	9
16	An introduction to molecular imaging in radiation oncology: A report by the AAPM Working Group on Molecular Imaging in Radiation Oncology (WGMIR). Medical Physics, 2013, 40, 101501.	1.6	10
17	Influence of photon energy cuts on PET Monte Carlo simulation results. Medical Physics, 2012, 39, 4175-4186.	1.6	2
18	[18F]FDG-Positron Emission Tomography Coregistration With Computed Tomography Scans for Radiation Treatment Planning of Lymphoma and Hematologic Malignancies. International Journal of Radiation Oncology Biology Physics, 2011, 81, 615-622.	0.4	69

#	ARTICLE	IF	CITATIONS
19	Motion monitoring for cranial frameless stereotactic radiosurgery using video-based three-dimensional optical surface imaging. <i>Medical Physics</i> , 2011, 38, 3981-3994.	1.6	98
20	Partial volume effect correction in PET using regularized iterative deconvolution with variance control based on local topology. <i>Physics in Medicine and Biology</i> , 2008, 53, 2577-2591.	1.6	60
21	PET quantification inaccuracy of non-uniform tracer distributions for radiation therapy. , 2007, , .		1
22	Pencil beam approach for correcting the energy dependence artifact in film dosimetry for IMRT verification. <i>Medical Physics</i> , 2006, 33, 3690-3699.	1.6	12
23	Validation of GATE Monte Carlo simulations of the GE Advance/Discovery LS PET scanners. <i>Medical Physics</i> , 2005, 33, 198-208.	1.6	119
24	The three-dimensional scintillation dosimetry method: test for a ¹⁰⁶ Ru eye plaque applicator. <i>Physics in Medicine and Biology</i> , 2005, 50, 3063-3081.	1.6	42
25	Precise radiochromic film dosimetry using a flat-bed document scanner. <i>Medical Physics</i> , 2005, 32, 2245-2253.	1.6	482
26	Predicting energy response of radiographic film in a 6MV x-ray beam using Monte Carlo calculated fluence spectra and absorbed dose. <i>Medical Physics</i> , 2004, 31, 3168-3178.	1.6	41
27	Dosimetric properties of improved GafChromic films for seven different digitizers. <i>Medical Physics</i> , 2004, 31, 2392-2401.	1.6	227
28	Validation of a precision radiochromic film dosimetry system for quantitative two-dimensional imaging of acute exposure dose distributions. <i>Medical Physics</i> , 2000, 27, 2462-2475.	1.6	98
29	Quantitative optical densitometry with scanning-laser film digitizers. <i>Medical Physics</i> , 1999, 26, 1721-1731.	1.6	49
30	Analytical approach to heterogeneity correction factor calculation for brachytherapy. <i>Medical Physics</i> , 1998, 25, 722-735.	1.6	19
31	Quantitative evaluation of radiochromic film response for two-dimensional dosimetry. <i>Medical Physics</i> , 1997, 24, 223-231.	1.6	140