

# David Sarrut

## List of Publications by Year in descending order

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155  
papers

4,807  
citations

126708

33  
h-index

98622

67  
g-index

162  
all docs

162  
docs citations

162  
times ranked

4515  
citing authors

#	ARTICLE	IF	CITATIONS
1	GATE V6: a major enhancement of the GATE simulation platform enabling modelling of CT and radiotherapy. <i>Physics in Medicine and Biology</i> , 2011, 56, 881-901.	1.6	640
2	Evaluation of Registration Methods on Thoracic CT: The EMPIRE10 Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2011, 30, 1901-1920.	5.4	363
3	A review of the use and potential of the GATE Monte Carlo simulation code for radiation therapy and dosimetry applications. <i>Medical Physics</i> , 2014, 41, 064301.	1.6	332
4	Results of a Multi-Institution Deformable Registration Accuracy Study (MIDRAS). <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, 583-596.	0.4	328
5	A Monte Carlo pencil beam scanning model for proton treatment plan simulation using GATE/GEANT4. <i>Physics in Medicine and Biology</i> , 2011, 56, 5203-5219.	1.6	153
6	The Reconstruction Toolkit (RTK), an open-source cone-beam CT reconstruction toolkit based on the Insight Toolkit (ITK). <i>Journal of Physics: Conference Series</i> , 2014, 489, 012079.	0.3	132
7	Spatiotemporal motion estimation for respiratory-correlated imaging of the lungs. <i>Medical Physics</i> , 2011, 38, 166-178.	1.6	130
8	Evaluation of deformable registration of patient lung 4DCT with subanatomical region segmentations. <i>Medical Physics</i> , 2008, 35, 775-781.	1.6	125
9	4D-CT lung motion estimation with deformable registration: Quantification of motion nonlinearity and hysteresis. <i>Medical Physics</i> , 2008, 35, 1008-1018.	1.6	122
10	Simulation of four-dimensional CT images from deformable registration between inhale and exhale breath-hold CT scans. <i>Medical Physics</i> , 2006, 33, 605-617.	1.6	115
11	Distributions of secondary particles in proton and carbon-ion therapy: a comparison between GATE/Geant4 and FLUKA Monte Carlo codes. <i>Physics in Medicine and Biology</i> , 2013, 58, 2879-2899.	1.6	110
12	Optimization of GEANT4 settings for Proton Pencil Beam Scanning simulations using GATE. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2010, 268, 3295-3305.	0.6	105
13	Simulation of a 6 MV Elekta Precise Linac photon beam using GATE/GEANT4. <i>Physics in Medicine and Biology</i> , 2011, 56, 903-918.	1.6	94
14	ESTRO ACROP: Technology for precision small animal radiotherapy research: Optimal use and challenges. <i>Radiotherapy and Oncology</i> , 2018, 126, 471-478.	0.3	88
15	Advanced Monte Carlo simulations of emission tomography imaging systems with GATE. <i>Physics in Medicine and Biology</i> , 2021, 66, 10TR03.	1.6	82
16	Deformable registration for image-guided radiation therapy. <i>Zeitschrift Fur Medizinische Physik</i> , 2006, 16, 285-297.	0.6	79
17	Filtered backprojection proton CT reconstruction along most likely paths. <i>Medical Physics</i> , 2013, 40, 031103.	1.6	79
18	Is abdominal compression useful in lung stereotactic body radiation therapy? A 4DCT and dosimetric lobe-dependent study. <i>Physica Medica</i> , 2013, 29, 333-340.	0.4	74

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19	Registration of sliding objects using direction dependent B-splines decomposition. <i>Physics in Medicine and Biology</i> , 2013, 58, 1303-1314.	1.6	68
20	Automated segmentation of a motion mask to preserve sliding motion in deformable registration of thoracic CT. <i>Medical Physics</i> , 2012, 39, 1006-1015.	1.6	67
21	Comparison of Analytic and Algebraic Methods for Motion-Compensated Cone-Beam CT Reconstruction of the Thorax. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 1513-1525.	5.4	61
22	Patient setup error measurement using 3D intensity-based image registration techniques. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003, 56, 259-265.	0.4	60
23	Multi-dimensional respiratory motion tracking from markerless optical surface imaging based on deformable mesh registration. <i>Physics in Medicine and Biology</i> , 2012, 57, 357-373.	1.6	59
24	Nonrigid registration method to assess reproducibility of breath-holding with ABC in lung cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 61, 594-607.	0.4	57
25	Towards an Efficient Microsystem for the Real-time Detection and Quantification of Mercury in Water Based on a Specifically Designed Fluorogenic Binary Task-specific Ionic Liquid. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 424-427.	7.2	57
26	Tumor Tracking Method Based on a Deformable 4D CT Breathing Motion Model Driven by an External Surface Surrogate. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 182-188.	0.4	56
27	OpenDose: Open-Access Resource for Nuclear Medicine Dosimetry. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1514-1519.	2.8	54
28	GATE as a GEANT4-based Monte Carlo platform for the evaluation of proton pencil beam scanning treatment plans. <i>Physics in Medicine and Biology</i> , 2012, 57, 4223-4244.	1.6	52
29	Machine learning-based patient specific prompt-gamma dose monitoring in proton therapy. <i>Physics in Medicine and Biology</i> , 2013, 58, 4563-4577.	1.6	51
30	A Comparison Framework for Breathing Motion Estimation Methods From 4-D Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 1636-1648.	5.4	49
31	A first-in-human study investigating biodistribution, safety and recommended dose of a new radiolabeled MAb targeting FZD10 in metastatic synovial sarcoma patients. <i>BMC Cancer</i> , 2018, 18, 646.	1.1	42
32	Dynamic Partitioning of GATE Monte-Carlo Simulations on EGEE. <i>Journal of Grid Computing</i> , 2010, 8, 241-259.	2.5	34
33	Computed tomographic atlas for the new international lymph node map for lung cancer: A radiation oncologist perspective. <i>Practical Radiation Oncology</i> , 2013, 3, 54-66.	1.1	33
34	Influence of Geant4 parameters on dose distribution and computation time for carbon ion therapy simulation. <i>Physica Medica</i> , 2010, 26, 202-208.	0.4	32
35	Region-oriented CT image representation for reducing computing time of Monte Carlo simulations. <i>Medical Physics</i> , 2008, 35, 1452-1463.	1.6	31
36	Proton therapy monitoring by Compton imaging: influence of the large energy spectrum of the prompt- $^{13}\text{B}$ radiation. <i>Physics in Medicine and Biology</i> , 2016, 61, 3127-3146.	1.6	29

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37	Impact of probe pressure variability on prostate localization for ultrasound-based image-guided radiotherapy. <i>Radiotherapy and Oncology</i> , 2014, 111, 132-137.	0.3	27
38	Monte Carlo simulation on heterogeneous distributed systems: A computing framework with parallel merging and checkpointing strategies. <i>Future Generation Computer Systems</i> , 2013, 29, 728-738.	4.9	26
39	Surrogate-driven deformable motion model for organ motion tracking in particle radiation therapy. <i>Physics in Medicine and Biology</i> , 2015, 60, 1565-1582.	1.6	25
40	Technical Note: GATEâ€Tion: a GATE/Geant4 release for clinical applications in scanned ion beam therapy. <i>Medical Physics</i> , 2020, 47, 3675-3681.	1.6	25
41	A GATE/Geant4 beam model for the MedAustron non-isocentric proton treatment plans quality assurance. <i>Physica Medica</i> , 2020, 71, 115-123.	0.4	25
42	Evaluation of a new transperineal ultrasound probe for inter-fraction image-guidance for definitive and post-operative prostate cancer radiotherapy. <i>Physica Medica</i> , 2016, 32, 499-505.	0.4	24
43	Lung Deformation Estimation with Non-rigid Registration for Radiotherapy Treatment. <i>Lecture Notes in Computer Science</i> , 2003, , 770-777.	1.0	22
44	PET-based dose delivery verification in proton therapy: a GATE based simulation study of five PET system designs in clinical conditions. <i>Physics in Medicine and Biology</i> , 2013, 58, 6867-6885.	1.6	21
45	Split exponential track length estimator for Monte-Carlo simulations of small-animal radiation therapy. <i>Physics in Medicine and Biology</i> , 2014, 59, 7703-7715.	1.6	21
46	Capability of MLEM and OE to Detect Range Shifts With a Compton Camera in Particle Therapy. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020, 4, 233-242.	2.7	21
47	Deformable image registration applied to lung SBRT: Usefulness and limitations. <i>Physica Medica</i> , 2017, 44, 108-112.	0.4	20
48	An efficient numerical tool for dose deposition prediction applied to synchrotron medical imaging and radiation therapy. <i>Journal of Synchrotron Radiation</i> , 2013, 20, 785-792.	1.0	19
49	Voxelâ€based multimodel fitting method for modeling time activity curves in SPECT images. <i>Medical Physics</i> , 2017, 44, 6280-6288.	1.6	19
50	Generative adversarial networks (GAN) for compact beam source modelling in Monte Carlo simulations. <i>Physics in Medicine and Biology</i> , 2019, 64, 215004.	1.6	19
51	CCMod: a GATE module for Compton camera imaging simulation. <i>Physics in Medicine and Biology</i> , 2020, 65, 055004.	1.6	19
52	Evaluation of GATEâ€Tion (GATE/Geant4) Monte Carlo simulation settings for proton pencil beam scanning quality assurance. <i>Medical Physics</i> , 2020, 47, 5817-5828.	1.6	19
53	Aramis. , 2018, , .		18
54	Ultrasound versus Cone-beam CT image-guided radiotherapy for prostate and post-prostatectomy pretreatment localization. <i>Physica Medica</i> , 2015, 31, 997-1004.	0.4	17

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55	Monte Carlo simulation of digital photon counting PET. EJNMMI Physics, 2020, 7, 23.	1.3	16
56	GATE Simulation of $^{12}\text{m C}$ Hadrontherapy Treatment Combined With a PET Imaging System for Dose Monitoring: A Feasibility Study. IEEE Transactions on Nuclear Science, 2013, 60, 423-429.	1.2	15
57	Validation of fast Monte Carlo dose calculation in small animal radiotherapy with EBT3 radiochromic films. Physics in Medicine and Biology, 2016, 61, 3521-3535.	1.6	15
58	Respiratory Signal Extraction for 4D CT Imaging of the Thorax from Cone-Beam CT Projections. Lecture Notes in Computer Science, 2005, 8, 556-563.	1.0	14
59	A track length estimator method for dose calculations in low-energy X-ray irradiations: implementation, properties and performance. Zeitschrift Fur Medizinische Physik, 2015, 25, 36-47.	0.6	14
60	3D absorbed dose distribution estimated by Monte Carlo simulation in radionuclide therapy with a monoclonal antibody targeting synovial sarcoma. EJNMMI Physics, 2017, 4, 6.	1.3	14
61	Modeling complex particles phase space with GAN for Monte Carlo SPECT simulations: a proof of concept. Physics in Medicine and Biology, 2021, 66, 055014.	1.6	13
62	Geometrical Transformation Approximation for 2D/3D Intensity-Based Registration of Portal Images and CT Scan. Lecture Notes in Computer Science, 2001, , 532-540.	1.0	13
63	A Critique of the International Association for the Study of Lung Cancer Lymph Node Map: A Radiation Oncology Perspective. Journal of Thoracic Oncology, 2012, 7, 478-480.	0.5	12
64	Artificial Intelligence for Monte Carlo Simulation in Medical Physics. Frontiers in Physics, 2021, 9, .	1.0	11
65	Semiautomatic registration of 3D transabdominal ultrasound images for patient repositioning during postprostatectomy radiotherapy. Medical Physics, 2014, 41, 122903.	1.6	10
66	Accelerated prompt gamma estimation for clinical proton therapy simulations. Physics in Medicine and Biology, 2016, 61, 7725-7743.	1.6	10
67	Optimization of GATE simulations for whole-body planar scintigraphic acquisitions using the XCAT male phantom with $^{177}\text{Lu}$ -DOTATATE biokinetics in a Siemens Symbia T2. Physica Medica, 2017, 42, 292-297.	0.4	10
68	Influence of Doppler broadening model accuracy in Compton camera list-mode MLEM reconstruction. Inverse Problems in Science and Engineering, 2021, 29, 3509-3529.	1.2	10
69	Fixed forced detection for fast SPECT Monte-Carlo simulation. Physics in Medicine and Biology, 2018, 63, 055011.	1.6	9
70	Image-based SPECT calibration based on the evaluation of the Fraction of Activity in the Field of View. EJNMMI Physics, 2018, 5, 11.	1.3	9
71	Respiratory Motion Estimation from Cone-Beam Projections Using a Prior Model. Lecture Notes in Computer Science, 2009, 12, 365-372.	1.0	9
72	Patient-specific dosimetry adapted to variable number of SPECT/CT time-points per cycle for $^{177}\text{Lu}$ -DOTATATE therapy. EJNMMI Physics, 2022, 9, 37.	1.3	8

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73	Monte-Carlo based prediction of radiochromic film response for hadrontherapy dosimetry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 606, 749-754.	0.7	7
74	An image-based method to synchronize cone-beam CT and optical surface tracking. Journal of Applied Clinical Medical Physics, 2015, 16, 117-128.	0.8	7
75	Monte Carlo simulation of prompt $\beta^+$ -ray emission in proton therapy using a specific track length estimator. Physics in Medicine and Biology, 2015, 60, 8067-8086.	1.6	7
76	Learning SPECT detector angular response function with neural network for accelerating Monte-Carlo simulations. Physics in Medicine and Biology, 2018, 63, 205013.	1.6	7
77	Comparison of electromagnetic transmitter and ultrasound imaging for intrafraction monitoring of prostate radiotherapy. Radiotherapy and Oncology, 2019, 136, 1-8.	0.3	7
78	3-D Reconstruction Benchmark of a Compton Camera Against a Parallel-Hole Gamma Camera on Ideal Data. IEEE Transactions on Radiation and Plasma Medical Sciences, 2020, 4, 479-488.	2.7	7
79	Yttrium-90 quantitative phantom study using digital photon counting PET. EJNMMI Physics, 2021, 8, 56.	1.3	7
80	A FAST MORPHING-BASED INTERPOLATION FOR MEDICAL IMAGES: APPLICATION TO CONFORMAL RADIOTHERAPY. Image Analysis and Stereology, 2006, 25, 95.	0.4	7
81	Projection-based dynamic tomography. Physics in Medicine and Biology, 2021, 66, 215018.	1.6	7
82	Comparison of 3D dense deformable registration methods for breath-hold reproducibility study in radiotherapy. , 2005, , .		6
83	Hybrid GATE: A GPU/CPU implementation for imaging and therapy applications. , 2012, , .		6
84	Influence of sub-nanosecond time of flight resolution for online range verification in proton therapy using the line-cone reconstruction in Compton imaging. Physics in Medicine and Biology, 2021, 66, 125012.	1.6	6
85	B-LUT: Fast and low memory B-spline image interpolation. Computer Methods and Programs in Biomedicine, 2010, 99, 172-178.	2.6	5
86	An empirical model for calculation of the collimator contamination dose in therapeutic proton beams. Physics in Medicine and Biology, 2016, 61, 1532-1545.	1.6	5
87	In vivo gadolinium nanoparticle quantification with SPECT/CT. EJNMMI Physics, 2019, 6, 9.	1.3	5
88	Mid-position treatment strategy for locally advanced lung cancer: a dosimetric study. British Journal of Radiology, 2020, 93, 20190692.	1.0	5
89	Minimum non-isotropic and asymmetric margins for taking into account intrafraction prostate motion during moderately hypofractionated radiotherapy. Physica Medica, 2022, 96, 114-120.	0.4	5
90	532 oral A NOVEL CT-BASED CONTRAST ENHANCEMENT TECHNIQUE FOR MARKERLESS LUNG TUMOR TRACKING IN X-RAY PROJECTION IMAGES. Radiotherapy and Oncology, 2011, 99, S217.	0.3	4

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91	Enabling Grids for GATE Monte-Carlo Radiation Therapy Simulations with the GATE-Lab. , 2011, , .		4
92	Total variation and point spread function priors for MLEM reconstruction in Compton camera imaging. , 2018, , .		4
93	Kernel Based Image Classification. Lecture Notes in Computer Science, 2001, , 369-375.	1.0	4
94	Learning directional relative positions between mediastinal lymph node stations and organs. Medical Physics, 2014, 41, 061905.	1.6	3
95	Fast 3D image transformations for registration procedures. , 0, , .		2
96	Intégration de connaissances et modélisation en imagerie médicale. IRBM News, 2004, 25, 139-149.	0.1	2
97	Cone-beam projection of a deformable volume for motion compensated algebraic reconstruction. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6544-7.	0.5	2
98	Gated cone-beam CT imaging of the thorax: a reconstruction study. , 2007, , .		2
99	ESTIMATING BREATHING MOTION FROM CONE-BEAM PROJECTIONS USING A PRIOR PATIENT MODEL. Radiotherapy and Oncology, 2009, 92, S185.	0.3	2
100	Concepts and terms for dose/volume parameters in carbon-ion radiotherapy: Conclusions of the ULICE taskforce. Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique, 2018, 22, 802-809.	0.6	2
101	Intensity-Based Deformable Registration: Introduction and Overview. Biological and Medical Physics Series, 2013, , 103-124.	0.3	2
102	ARAMIS: A Remote Access Medical Imaging System. Lecture Notes in Computer Science, 1999, , 55-60.	1.0	2
103	Usefulness of image morphing techniques in cancer treatment by conformal radiotherapy. , 2004, 5367, 332.		1
104	Simulation of 4D CT Images from Deformable Registration between Inhale and Exhale Breath-Hold CT Scans. International Journal of Radiation Oncology Biology Physics, 2005, 63, S509-S510.	0.4	1
105	1385 poster COMMISSIONING OF PENELOPE AND GATE MONTE CARLO MODELS FOR 6 AND 18 MV PHOTON BEAMS FROM THE SIEMENS ARTISTE LINAC. Radiotherapy and Oncology, 2011, 99, S515.	0.3	1
106	Mid-position strategy for moving lung tumors: methodology and issues. Physica Medica, 2011, 27, S12.	0.4	1
107	Proton therapy aperture contamination analytical model: consequences on dose calculation. Physica Medica, 2011, 27, S23.	0.4	1
108	In Regard to Yang et al. International Journal of Radiation Oncology Biology Physics, 2012, 84, 304.	0.4	1

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109	Towards 4DCT-US image fusion for liver motion monitoring. , 2013, , .		1
110	Estimation of respiratory breathing signal from 2D US sequences and 4DCT of the liver. , 2014, , .		1
111	In-room breathing motion estimation from limited projection views using a sliding deformation model. Journal of Physics: Conference Series, 2014, 489, 012026.	0.3	1
112	Feasibility of image guided radiotherapy based on ultrasound modality for prostate inter and intra fraction motion. Physica Medica, 2014, 30, e123.	0.4	1
113	SP-0536: Open source tools for validation of deformable registration. Radiotherapy and Oncology, 2014, 111, S210.	0.3	1
114	87: Compton imaging in proton therapy: reconstructed images compared to simulated prompt- $\beta^3$ distribution. Radiotherapy and Oncology, 2014, 110, S43.	0.3	1
115	PO-0884: Respiratory motion models from Cone-Beam CT for lung tumour tracking. Radiotherapy and Oncology, 2016, 119, S424.	0.3	1
116	EP-1750: Monitoring of intra-fraction prostate motion with a new 4D ultrasound device. Radiotherapy and Oncology, 2016, 119, S819-S820.	0.3	1
117	Validation and Comparison of Approaches to Respiratory Motion Estimation. Biological and Medical Physics Series, 2013, , 159-183.	0.3	1
118	Convergence speed of deformable models. , 0, , .		1
119	MO-D-L100J-08: Construction of 4D-CT Motion Model Using Deformable Registration: Comparison of Eulerian and Lagrangian Approaches. Medical Physics, 2007, 34, 2517-2517.	1.6	1
120	MOâ€œEâ€œ210â€œ04: Repositioning and Monitoring of Prostate Cancer Radiotherapy with a New 4D Ultrasound Intraâ€œModality IGRT Device. Medical Physics, 2015, 42, 3560-3560.	1.6	1
121	SYNFRIZZ: A first-in-human (FIH) study of a radiolabeled monoclonal antibody (Mab) targeting frizzled homolog 10 (FZD10) in patients (pts) with advanced synovial sarcomas (SyS).. Journal of Clinical Oncology, 2017, 35, 11054-11054.	0.8	1
122	Improving motionâ€œmask segmentation in thoracic CT with multiplanar Uâ€œnets. Medical Physics, 2021, , .	1.6	1
123	Monte Carlo simulations for medical and biomedical applications. , 2022, , 23-53.		1
124	Non-rigid registration method to assess the reproducibility of breath-holding with ABC in lung cancer. International Journal of Radiation Oncology Biology Physics, 2004, 60, S606-S607.	0.4	0
125	Study of Motion in a 4D-CT Using Deformable Registration. International Journal of Radiation Oncology Biology Physics, 2005, 63, S499-S500.	0.4	0
126	Respiratory Signal Extraction for 4D CT Imaging of the Thorax from Cone-Beam CT Projections. International Journal of Radiation Oncology Biology Physics, 2005, 63, S533-S534.	0.4	0



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127	Monte Carlo Simulations of the Transit Dose from Amorphous Silicon Electronic Portal Images. International Journal of Radiation Oncology Biology Physics, 2005, 63, S546-S547.	0.4	0
128	TUMOR BASELINE SHIFT FOR NSCLC SBRT TREATMENT WITH CONE-BEAM CT IMAGE GUIDANCE. Radiotherapy and Oncology, 2009, 92, S167.	0.3	0
129	OPTIMIZATION OF THREE-DIMENSIONAL COMPUTED TOMOGRAPHY (3D CT) SCAN PARAMETERS FOR IMAGING MOVING LUNG TUMORS. Radiotherapy and Oncology, 2009, 92, S181-S182.	0.3	0
130	DEFORMABLE IMAGE REGISTRATION FOR RADIATION THERAPY. Radiotherapy and Oncology, 2009, 92, S47.	0.3	0
131	Interobserver Variability in NSCLC Target Delineation for Stereotactic Body Radiation Therapy: A Four-dimensional Analysis. International Journal of Radiation Oncology Biology Physics, 2010, 78, S790.	0.4	0
132	1218 poster TIME-CONSISTENT PARAMETRIZATION FROM DYNAMIC OPTICAL SURFACE DETECTION FOR RESPIRATORY MOTION RECOVERY IN RADIATION ONCOLOGY. Radiotherapy and Oncology, 2011, 99, S454.	0.3	0
133	Lung 4D Computed Tomography: movement artefacts and consequences. Physica Medica, 2011, 27, S13.	0.4	0
134	Dosimetric impact of low energies (kV) in context of preclinical research in radiation therapy. Physica Medica, 2012, 28, S7.	0.4	0
135	OC-0393 MARGIN CALCULATION FOR TEMPORALLY ASYMMETRIC RESPIRATORY MOTION. Radiotherapy and Oncology, 2012, 103, S157.	0.3	0
136	PO-0795 PHASE II CLINICAL TRIAL COMPARING MID-POSITION WITH INTERNAL TARGET VOLUME TREATMENT PLANNING. Radiotherapy and Oncology, 2012, 103, S308-S309.	0.3	0
137	Evaluation of an ultrasound-based imaging system for pelvic cancer localization in radiotherapy. Physica Medica, 2013, 29, e3.	0.4	0
138	OC-0335: Tumour motion tracking technique based on dynamic surface scanning and 4D CT breathing motion model. Radiotherapy and Oncology, 2013, 106, S130.	0.3	0
139	Motion artifact detection in four-dimensional computed tomography images. Journal of Physics: Conference Series, 2014, 489, 012024.	0.3	0
140	PO-0990: Impact of probe pressure variability on prostate localization for ultrasound-based image-guided radiotherapy. Radiotherapy and Oncology, 2014, 111, S141-S142.	0.3	0
141	Adaptation of treatment margins for hypofractionated radiotherapy of prostate cancer. Physica Medica, 2014, 30, e123-e124.	0.4	0
142	PO-0839: Dosimetric analysis of mid-position vs ITV conformational plans for locally advanced NSCLC. Preliminary results. Radiotherapy and Oncology, 2014, 111, S75-S76.	0.3	0
143	PD-0098: External-internal correlation models built from Cone-Beam CT for intrafraction tumor tracking. Radiotherapy and Oncology, 2014, 111, S41.	0.3	0
144	PO-0921: Simulation of x-ray images from the planning CT for online correction of scatter in cone-beam CT. Radiotherapy and Oncology, 2014, 111, S115.	0.3	0

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145	Realistic Simulations for the Evaluation of Monomodal Registration Algorithms of 3D Pelvic Ultrasound Images. <i>Physics Procedia</i> , 2015, 70, 1169-1172.	1.2	0
146	EP-1452: A new CT based tissue automatic segmentation method for absorbed dose calculation in preclinical radiation therapy. <i>Radiotherapy and Oncology</i> , 2015, 115, S785-S786.	0.3	0
147	Development of 2D+T tracking algorithm in ultrasound images for radiotherapy. , 2015, 2015, 2916-9.		0
148	Evaluation of intrafraction motions with a transperineal ultrasound imaging system: Dosimetric impact for prostate cancer. <i>Physica Medica</i> , 2015, 31, e25-e26.	0.4	0
149	EP-1504: Monte Carlo modeling of non-isocentric proton pencil beam scanning treatments. <i>Radiotherapy and Oncology</i> , 2017, 123, S806-S807.	0.3	0
150	Quantification of Gd-Nanoparticles Concentration with SPECT and Spectral Photon Counting CT. , 2017, , .		0
151	EP-1976 Clinical evaluation of two monitoring devices for prostate radiotherapy treatment. <i>Radiotherapy and Oncology</i> , 2019, 133, S1079.	0.3	0
152	SP-0135 Working with radiotherapy from the perspective of data/computer scientist. <i>Radiotherapy and Oncology</i> , 2019, 133, S66.	0.3	0
153	SU-FF-T-154: Cumulating Static Dose Distributions to Simulate Dynamic Dose Distributions: An Experimental Study. <i>Medical Physics</i> , 2006, 33, 2084-2084.	1.6	0
154	SU-FF-I-99: Implementation and Evaluation of Automatic Contour Propagation in 4DCT of Lung. <i>Medical Physics</i> , 2006, 33, 2019-2020.	1.6	0
155	Respiratory Motion Correction in Cone-Beam CT for Image-Guided Radiotherapy. <i>Biological and Medical Physics Series</i> , 2013, , 319-334.	0.3	0