Tomas Kron

List of Publications by Year
in descending order

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388 papers	8,352 citations	46918 47 h-index	91712 69 g-index
395 all docs	395 docs citations	395 times ranked	6826 citing authors

#	Article	IF	Citations
1	A system for realâ€time monitoring of breathâ€hold via assessment of internal anatomy in tangential breast radiotherapy. Journal of Applied Clinical Medical Physics, 2022, 23, .	0.8	4
2	Dose calculation and reporting with a linear Boltzman transport equation solver in vertebral SABR. Physical and Engineering Sciences in Medicine, 2022, 45, 43-48.	1.3	2
3	A customizable anthropomorphic phantom for dosimetric verification of 3Dâ€printed lung, tissue, and bone density materials. Medical Physics, 2022, 49, 52-69.	1.6	13
4	Dose assessment for daily cone-beam CT in lung radiotherapy patients and its combination with treatment planning. Physical and Engineering Sciences in Medicine, 2022, 45, 231-237.	1.3	2
5	Cui Bono, Proton Radiotherapy?. Clinical Oncology, 2022, , .	0.6	0
6	Multiâ€jet fusion for additive manufacturing of radiotherapy immobilization devices: Effects of color, thickness, and orientation on surface dose and tensile strength. Journal of Applied Clinical Medical Physics, 2022, 23, e13548.	0.8	3
7	Quality management in radiotherapy treatment delivery. Journal of Medical Imaging and Radiation Oncology, 2022, 66, 279-290.	0.9	12
8	Please Place Your Seat in the Full Upright Position: A Technical Framework for Landing Upright Radiation Therapy in the 21st Century. Frontiers in Oncology, 2022, 12, 821887.	1.3	4
9	Utility of Biology-Guided Radiotherapy to De Novo Metastases Diagnosed During Staging of High-Risk Biopsy-Proven Prostate Cancer. Frontiers in Oncology, 2022, 12, 854589.	1.3	5
10	Medical physicist certification and training program accreditation. Health and Technology, 2022, , 1-8.	2.1	0
11	TROG 14.04: Multicentre Study of Feasibility and Impact on Anxiety of DIBH in Breast Cancer Patients. Clinical Oncology, 2022, , .	0.6	0
12	Assessing organ at risk position variation and its impact on delivered dose in kidney SABR. Radiation Oncology, 2022, 17, .	1.2	0
13	Safety, Efficacy, and Patterns of Failure After Single-Fraction Stereotactic Body Radiation Therapy (SBRT) for Oligometastases. International Journal of Radiation Oncology Biology Physics, 2021, 109, 756-763.	0.4	17
14	A systematic review and meta-analysis of the prognostic value of radiomics based models in non-small cell lung cancer treated with curative radiotherapy. Radiotherapy and Oncology, 2021, 155, 188-203.	0.3	37
15	Consistency of smallâ€field dosimetry, on and off axis, in beamâ€matched linacs used for stereotactic radiosurgery. Journal of Applied Clinical Medical Physics, 2021, 22, 185-193.	0.8	5
16	PhDs: never boring, never dry. Physical and Engineering Sciences in Medicine, 2021, 44, 7-7.	1.3	1
17	The interlace deposition method of bone equivalent material extrusion 3D printing for imaging in radiotherapy. Materials and Design, 2021, 199, 109439.	3.3	23
18	On the reduction of aperture complexity in kidney SABR. Journal of Applied Clinical Medical Physics, 2021, 22, 71-81.	0.8	5

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19	Automated assessment of functional lung imaging with 68Ga-ventilation/perfusion PET/CT using iterative histogram analysis. EJNMMI Physics, 2021, 8, 23.	1.3	4
20	Report dose-to-medium in clinical trials where available; a consensus from the Global Harmonisation Group to maximize consistency. Radiotherapy and Oncology, 2021, 159, 106-111.	0.3	21
21	Contralateral breast dose with electronic compensators and conventional tangential fields â€“ A clinical dosimetric study. Zeitschrift Fur Medizinische Physik, 2021, 31, 347-354.	0.6	2
22	Development of a physical geometric phantom for deformable image registration credentialing of radiotherapy centers for a clinical trial. Journal of Applied Clinical Medical Physics, 2021, 22, 255-265.	0.8	4
23	A validation framework to assess performance of commercial deformable image registration in lung radiotherapy. Physica Medica, 2021, 87, 106-114.	0.4	5
24	Out-of-field dose in stereotactic radiotherapy for paediatric patients. Physics and Imaging in Radiation Oncology, 2021, 19, 1-5.	1.2	1
25	Personalising treatment plan quality review with knowledge-based planning in the TROG 15.03 trial for stereotactic ablative body radiotherapy in primary kidney cancer. Radiation Oncology, 2021, 16, 142.	1.2	8
26	Single-Fraction vs Multifraction Stereotactic Ablative Body Radiotherapy for Pulmonary Oligometastases (SAFRON II). JAMA Oncology, 2021, 7, 1476.	3.4	50
27	Calculation algorithms and penumbra: Underestimation of dose in organs at risk in dosimetry audits. Medical Physics, 2021, 48, 6184-6197.	1.6	8
28	PD-0899 Report dose-to-medium in clinical trials; a consensus from the Global Harmonisation Group. Radiotherapy and Oncology, 2021, 161, S738-S739.	0.3	0
29	CT slice alignment to whole-body reference geometry by convolutional neural network. Physical and Engineering Sciences in Medicine, 2021, , 1.	1.3	0
30	Radiomics feature stability of open-source software evaluated on apparent diffusion coefficient maps in head and neck cancer. Scientific Reports, 2021, 11, 17633.	1.6	25
31	A retrospective review of the long-term outcomes of online adaptive radiation therapy and conventional radiation therapy for muscle invasive bladder cancer. Clinical and Translational Radiation Oncology, 2021, 30, 65-70.	0.9	2
32	Reducing the impact on renal function of kidney SABR through management of respiratory motion. Physica Medica, 2021, 89, 72-79.	0.4	3
33	An international survey of imaging practices in radiotherapy. Physica Medica, 2021, 90, 53-65.	0.4	12
34	The Feasibility of Quality Assurance in the TOPGEAR International Phase III Clinical Trial of Neoadjuvant Chemoradiotherapy for Gastric Cancer (An Intergroup Trial of the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (AGITG/TRO S38-S39.	0.4	1
35	Evaluation of PSMA-PET Biology-Guided Radiotherapy Sequential Boost to the PSMA-avid Subvolume in the Prostate Region in Low-Volume Advanced Prostate Cancer. International Journal of Radiation Oncology Biology Physics, 2021, 111, S52.	0.4	0
36	Cascaded deep learningâ€based autoâ€segmentation for head and neck cancer patients: Organs at risk on T2â€weighted magnetic resonance imaging. Medical Physics, 2021, 48, 7757-7772.	1.6	17

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37	Development of a patient-specific immobilisation facemask for radiation therapy using additive manufacturing, pressure sensors and topology optimisation. Rapid Prototyping Journal, 2021, ahead-of-print, .	1.6	2
38	Lung organâ€atâ€risk volumes: A survey of practice and the need for a consistent definition in the 4DCT era. Journal of Medical Imaging and Radiation Oncology, 2020, 64, 120-126.	0.9	1
39	Single-fraction magnetic resonance guided stereotactic radiotherapy â€“ A game changer?. Physics and Imaging in Radiation Oncology, 2020, 14, 95-96.	1.2	6
40	Should ACPSEM develop its own position papers or just adopt those of the AAPM?. Physical and Engineering Sciences in Medicine, 2020, 43, 749-753.	1.3	0
41	Monitoring DNA Damage and Repair in Peripheral Blood Mononuclear Cells of Lung Cancer Radiotherapy Patients. Cancers, 2020, 12, 2517.	1.7	8
42	A retrospective analysis of setup and intrafraction positional variation in stereotactic radiotherapy treatments. Journal of Applied Clinical Medical Physics, 2020, 21, 109-119.	0.8	17
43	COVID-19 pandemic planning: considerations for radiation oncology medical physics. Physical and Engineering Sciences in Medicine, 2020, 43, 473-480.	1.3	13
44	Professor Barry Allenâ€™s deep footprints in space, time and spirit. Physical and Engineering Sciences in Medicine, 2020, 43, 3-5.	1.3	0
45	Credentialing of vertebral stereotactic ablative body radiotherapy in a multi-centre trial. Physica Medica, 2020, 72, 16-21.	0.4	5
46	Upright Radiation Therapyâ€"A Historical Reflection and Opportunities for Future Applications. Frontiers in Oncology, 2020, 10, 213.	1.3	18
47	Singleâ€fraction stereotactic ablative body radiotherapy for sternal metastases in oligometastatic breast cancer: Technique and single institution experience. Journal of Medical Imaging and Radiation Oncology, 2020, 64, 580-585.	0.9	4
48	Total body irradiation in Australia and New Zealand: results of a practice survey. Physical and Engineering Sciences in Medicine, 2020, 43, 825-835.	1.3	11
49	Additive manufacturing in radiation oncology: a review of clinical practice, emerging trends and research opportunities. International Journal of Extreme Manufacturing, 2020, 2, 012003.	6.3	45
50	Independent review of 4DCT scans used for SABR treatment planning. Journal of Applied Clinical Medical Physics, 2020, 21, 62-67.	0.8	11
51	The effect of stereotactic body radiotherapy (SBRT) using flattening filterâ€free beams on cardiac implantable electronic devices (CIEDs) in clinical situations. Journal of Applied Clinical Medical Physics, 2020, 21, 121-131.	0.8	13
52	A review of 3D printed patient specific immobilisation devices in radiotherapy. Physics and Imaging in Radiation Oncology, 2020, 13, 30-35.	1.2	36
53	Infill selection for 3D printed radiotherapy immobilisation devices. Biomedical Physics and Engineering Express, 2020, 6, 065014.	0.6	6
54	Additive Manufacture of Lung Equivalent Anthropomorphic Phantoms: A Method to Control Hounsfield Number Utilizing Partial Volume Effect. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2020, 3, .	0.3	12

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55	Protocol for tumour-focused dose-escalated adaptive radiotherapy for the radical treatment of bladder cancer in a multicentre phase II randomised controlled trial (RAIDER): radiotherapy planning and delivery guidance. BMJ Open, 2020, 10, e041005.	0.8	16
56	Single-arm prospective interventional study assessing feasibility of using gallium-68 ventilation and perfusion PET/CT to avoid functional lung in patients with stage III non-small cell lung cancer. BMJ Open, 2020, 10, e042465.	0.8	15
57	THERMOLUMINESCENCE DOSIMETRY (TLD) IN MEDICINE: FIVE â€˜Wâ€™S AND ONE HOW. Radiation Protection Dosimetry, 2020, 192, 139-151.	0.4	8
58	APPLICATIONS OF OPTICALLY STIMULATED LUMINESCENCE IN MEDICAL DOSIMETRY. Radiation Protection Dosimetry, 2020, 192, 122-138.	0.4	6
59	Dose to medium in head and neck radiotherapy: Clinical implications for target volume metrics. Physics and Imaging in Radiation Oncology, 2019, 11, 92-97.	1.2	8
60	A comparison of IROC and ACDS onâ€site audits of reference and nonâ€reference dosimetry. Medical Physics, 2019, 46, 5878-5887.	1.6	7
61	Twoâ€dimensional solidâ€state array detectors: A technique for in vivo dose verification in a variable effective area. Journal of Applied Clinical Medical Physics, 2019, 20, 88-94.	0.8	2
62	Gyroid structures for 3D-printed heterogeneous radiotherapy phantoms. Physics in Medicine and Biology, 2019, 64, 21NT05.	1.6	21
63	A simple and efficient method to measure beam attenuation through a radiotherapy treatment couch and immobilization devices. Australasian Physical and Engineering Sciences in Medicine, 2019, 42, 1183-1189.	1.4	0
64	NaF PET/CT for response assessment of prostate cancer bone metastases treated with single fraction stereotactic ablative body radiotherapy. Radiation Oncology, 2019, 14, 164.	1.2	12
65	PV-0481 IMRT/VMAT QA in heterogeneous media: first experience with a 2D solid-state detector prototype. Radiotherapy and Oncology, 2019, 133, S247-S248.	0.3	0
66	PO-0769 Lung Organ-at-Risk volumes â€“ The need for a better definition in the era of 4DCT. Radiotherapy and Oncology, 2019, 133, S396-S397.	0.3	0
67	EP-2088 Upright open-source cone beam CT imaging for radiotherapy. Radiotherapy and Oncology, 2019, 133, S1152-S1153.	0.3	0
68	PO-0901 2D solid-state array detectors: a technique for in-vivo dose verification at varying effective area. Radiotherapy and Oncology, 2019, 133, S477-S478.	0.3	0
69	Development of a multicentre automated model to reduce planning variability in radiotherapy of prostate cancer. Physics and Imaging in Radiation Oncology, 2019, 11, 34-40.	1.2	21
70	EP-1754 High-resolution assessment of dose calculations in small MV photon beams on and off central axis. Radiotherapy and Oncology, 2019, 133, S946-S947.	0.3	0
71	A Systematic Review on 3D-Printed Imaging and Dosimetry Phantoms in Radiation Therapy. Technology in Cancer Research and Treatment, 2019, 18, 153303381987020.	0.8	90
72	In the future, emissionâ€guided radiation therapy will play a critical role in clinical radiation oncology. Medical Physics, 2019, 46, 1519-1522.	1.6	3

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73	Leonardo DaVinciâ€™s contributions to medical physics and biomedical engineering: celebrating the life of a â€˜Polymathâ€™. Australasian Physical and Engineering Sciences in Medicine, 2019, 42, 403-405.	1.4	5
74	A review and analysis of stereotactic body radiotherapy and radiosurgery of patients with cardiac implantable electronic devices. Australasian Physical and Engineering Sciences in Medicine, 2019, 42, 415-425.	1.4	13
75	2D monolithic silicon-diode array detectors in megavoltage photon beams: does the fabrication technology matter? A medical physicistâ€™s perspective. Australasian Physical and Engineering Sciences in Medicine, 2019, 42, 443-451.	1.4	6
76	Stereotactic ablative radiotherapy versus standard radiotherapy in stage 1 non-small-cell lung cancer (TROG 09.02 CHISEL): a phase 3, open-label, randomised controlled trial. Lancet Oncology, The, 2019, 20, 494-503.	5.1	386
77	Systematic endobronchial ultrasound-guided transbronchial needle aspiration improves radiotherapy planning in non-small cell lung cancer. ERJ Open Research, 2019, 5, 00004-2019.	1.1	13
78	A future of automated image contouring with machine learning in radiation therapy. Journal of Medical Radiation Sciences, 2019, 66, 223-225.	0.8	5
79	P2.17-21 A Post-Hoc Analysis of TROG 09.02 (CHISEL) Phase III Trial Investigating Pulmonary Function Changes After SABR and Conformal Radiation Therapy. Journal of Thoracic Oncology, 2019, 14, S892.	0.5	0
80	On the Instantaneous Dose Rate and Angular Dependence of Monolithic Silicon Array Detectors. IEEE Transactions on Nuclear Science, 2019, 66, 519-527.	1.2	6
81	Sensitivity of Electronic Portal Imaging Device (EPID) Based Transit Dosimetry to Detect Inter-fraction Patient Variations. IFMBE Proceedings, 2019, , 477-480.	0.2	3
82	Credentialing of radiotherapy centres in Australasia for TROG 09.02 (Chisel), a Phase III clinical trial on stereotactic ablative body radiotherapy of early stage lung cancer. British Journal of Radiology, 2018, 91, 20170737.	1.0	16
83	A novel high-resolution 2D silicon array detector for small field dosimetry with FFF photon beams. Physica Medica, 2018, 45, 117-126.	0.4	24
84	Dosimetric end-to-end tests in a national audit of 3D conformal radiotherapy. Physics and Imaging in Radiation Oncology, 2018, 6, 5-11.	1.2	21
85	Assessment of leakage dose in vivo in patients undergoing radiotherapy for breast cancer. Physics and Imaging in Radiation Oncology, 2018, 5, 97-101.	1.2	4
86	TROG 15.03 phase II clinical trial of Focal Ablative STereotactic Radiosurgery for Cancers of the Kidney - FASTRACK II. BMC Cancer, 2018, 18, 1030.	1.1	50
87	P3.08-17 Paediatric Motion Management Solutions for Particle Therapy Based Thoracic Stereotactic Ablative Body Radiotherapy (SABR). Journal of Thoracic Oncology, 2018, 13, S946.	0.5	1
88	Quality of life in the CHISEL randomized trial of stereotactic ablative radiotherapy (SABR) versus standard radiotherapy for stage I non-small cell lung cancer (Trans-Tasman Radiation Oncology) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 13	0.6	1
89	Intraoperative radiotherapy with image guidance: Mix and match. Journal of Medical Imaging and Radiation Oncology, 2018, 62, 826-827.	0.9	1
90	A technique for total skin electron therapy (<scp>TSET</scp>) of an anesthetized pediatric patient. Journal of Applied Clinical Medical Physics, 2018, 19, 109-116.	0.8	3

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91	An image segmentation framework for extracting tumors from breast magnetic resonance images. Journal of Innovative Optical Health Sciences, 2018, 11, .	0.5	17
92	EP-1720: A silicon diode array detector for small field dosimetry with flattening filter free beams. Radiotherapy and Oncology, 2018, 127, S919-S920.	0.3	0
93	Stereotactic Abative Body Radiotherapy (SABR) for Oligometastatic Prostate Cancer: A Prospective Clinical Trial. European Urology, 2018, 74, 455-462.	0.9	250
94	CyberKnife^{Â®} fixed cone and Irisâ„¢ defined small radiation fields: Assessment with a highâ€resolution solidâ€state detector array. Journal of Applied Clinical Medical Physics, 2018, 19, 547-557.	0.8	22
95	Deep Learning Renal Segmentation for Fully Automated Radiation Dose Estimation in Unsealed Source Therapy. Frontiers in Oncology, 2018, 8, 215.	1.3	85
96	On Monolithic Silicon Array Detectors for Small-Field Photon Beam Dosimetry. IEEE Transactions on Nuclear Science, 2018, 65, 2640-2649.	1.2	10
97	Diffusion weighted and dynamic contrast enhanced MRI as an imaging biomarker for stereotactic ablative body radiotherapy (SABR) of primary renal cell carcinoma. PLoS ONE, 2018, 13, e0202387.	1.1	15
98	Functional lung imaging in radiation therapy for lung cancer: A systematic review and meta-analysis. Radiotherapy and Oncology, 2018, 129, 196-208.	0.3	53
99	Assessing DCE-MRI and DWI as treatment response biomarkers after SABR for primary renal cell carcinoma.. Journal of Clinical Oncology, 2018, 36, e16587-e16587.	0.8	2
100	Activation of hip prostheses in high energy radiotherapy and resultant dose to nearby tissue. Journal of Applied Clinical Medical Physics, 2017, 18, 100-105.	0.8	2
101	Stereotactic ablative body radiotherapy for inoperable primary kidney cancer: a prospective clinical trial. BJU International, 2017, 120, 623-630.	1.3	85
102	Out-of-field in vivo dosimetry using TLD in SABR for primary kidney cancer involving mixed photon fields. Physica Medica, 2017, 37, 9-15.	0.4	9
103	Surface dose measurements in and out of field: Implications for breast radiotherapy with megavoltage photon beams. Zeitschrift Fur Medizinische Physik, 2017, 27, 318-323.	0.6	7
104	MA13.09 Serial FDG and FLT PET/CT during Curative-Intent Chemo-Radiotherapy for NSCLC Impacts Patient Management and May Predict Clinical Outcomes. Journal of Thoracic Oncology, 2017, 12, S420.	0.5	3
105	TOPGEAR: A Randomized, Phase III Trial of Perioperative ECF Chemotherapy with or Without Preoperative Chemoradiation for Resectable Gastric Cancer: Interim Results from an International, Intergroup Trial of the AGITG, TROG, EORTC and CCTG. Annals of Surgical Oncology, 2017, 24, 2252-2258.	0.7	186
106	Importance of quality in radiation oncology. Journal of Medical Imaging and Radiation Oncology, 2017, 61, 660-661.	0.9	0
107	Prospective Study of Serial Imaging Comparing Fluorodeoxyglucose Positron Emission Tomography (PET) and Fluorothymidine PET During Radical Chemoradiation for Non-Small Cell Lung Cancer: Reduction of Detectable Proliferation Associated With Worse Survival. International Journal of Radiation Oncology Biology Physics, 2017, 99, 947-955.	0.4	30
108	Coneâ€beam computed tomography for lung cancer â€“ validation with <scp>CT</scp> and monitoring tumour response during chemoâ€radiation therapy. Journal of Medical Imaging and Radiation Oncology, 2017, 61, 263-270.	0.9	6

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109	Geographical miss of the prostate during image-guided radiotherapy with a 6-mm posterior expansion margin. Journal of Medical Radiation Sciences, 2017, 64, 97-105.	0.8	6
110	P2.05-006 Credentialing of Radiotherapy Centres in Australasia for a Phase III Clinical Trial on SABR (TROG 09.02 CHISEL). Journal of Thoracic Oncology, 2017, 12, S2405-S2406.	0.5	0
111	Communication breakdown?. Physics World, 2017, 30, 22-22.	0.0	0
112	Clinical and Functional Assays of Radiosensitivity and Radiation-Induced Second Cancer. Cancers, 2017, 9, 147.	1.7	41
113	Routine Use of Intensity-Modulated Radiotherapy for Locally Advanced Nonâ€"Small-Cell Lung Cancer Is Neither Choosing Wisely Nor Personalized Medicine. Journal of Clinical Oncology, 2017, 35, 1492-1493.	0.8	6
114	The influence of acquisition mode on the dosimetric performance of an amorphous silicon electronic portal imaging device. Journal of Medical Physics, 2017, 42, 90.	0.1	4
115	Optical computed tomography in PRESAGE^{Â®} three-dimensional dosimetry: challenges and prospective. Journal of Cancer Research and Therapeutics, 2017, 13, 419-424.	0.3	3
116	Special Delivery Techniques. , 2017, , 251-280.		1
117	Lung cancer radiation therapy in Australia and New Zealand: Patterns of practice. Journal of Medical Imaging and Radiation Oncology, 2016, 60, 677-685.	0.9	7
118	<scp>F</scp>aculty of <scp>R</scp>adiation <scp>O</scp>ncology <scp>P</scp>osition <scp>P</scp>aper on the use of <scp>I</scp>mageâ€"<scp>G</scp>uided <scp>R</scp>adiation <scp>T</scp>herapy. Journal of Medical Imaging and Radiation Oncology, 2016, 60, 772-780.	0.9	13
119	Dosimetry of ionising radiation in modern radiation oncology. Physics in Medicine and Biology, 2016, 61, R167-R205.	1.6	82
120	Impact of stereotactic radiotherapy on kidney function in primary renal cell carcinoma: Establishing a doseâ€"response relationship. Radiotherapy and Oncology, 2016, 118, 540-546.	0.3	60
121	Practical Assessment of Bronchoscopically Inserted Fiducial Markers for Image Guidance in Stereotactic Lung Radiotherapy. Journal of Thoracic Oncology, 2016, 11, 1363-1368.	0.5	11
122	Surveying trends in radiation oncology medical physics in the Asia Pacific Region. Physica Medica, 2016, 32, 883-888.	0.4	7
123	EP-1908: An image processing technique for simulating CT image sets for IGRT quality assurance. Radiotherapy and Oncology, 2016, 119, S904-S905.	0.3	0
124	Single-Fraction Stereotactic Ablative Body Radiation Therapy as an Effective Management of Oligometastasis: Results From 133 Consecutive Patients. International Journal of Radiation Oncology Biology Physics, 2016, 96, E507-E508.	0.4	0
125	Radiotherapy for Nonâ€"Small Cell Lung Cancer Induces DNA Damage Response in Both Irradiated and Out-of-field Normal Tissues. Clinical Cancer Research, 2016, 22, 4817-4826.	3.2	57
126	A randomised phase II trial of Stereotactic Ablative Fractionated radiotherapy versus Radiosurgery for Oligometastatic Neoplasia to the lung (TROG 13.01 SAFRON II). BMC Cancer, 2016, 16, 183.	1.1	34

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127	Ga-68 MAA Perfusion 4D-PET/CT Scanning Allows for Functional Lung Avoidance Using Conformal Radiation Therapy Planning. Technology in Cancer Research and Treatment, 2016, 15, 114-121.	0.8	33
128	DOSE AND GAMMA-RAY SPECTRA FROM NEUTRON-INDUCED RADIOACTIVITY IN MEDICAL LINEAR ACCELERATORS FOLLOWING HIGH-ENERGY TOTAL BODY IRRADIATION. Radiation Protection Dosimetry, 2016, 172, 327-332.	0.4	8
129	The Importance of Quasi-4D Path-Integrated Dose Accumulation for More Accurate Risk Estimation in Stereotactic Liver Radiotherapy. Technology in Cancer Research and Treatment, 2016, 15, 428-436.	0.8	2
130	A Comparison of Bayesian Models ofÂHeteroscedasticity in Nested Normal Data. Communications in Statistics Part B: Simulation and Computation, 2016, 45, 2947-2964.	0.6	1
131	<scp>T</scp>rans <scp>T</scp>asman <scp>R</scp>adiation <scp>O</scp>ncology <scp>G</scp>roup: Development of the <scp>A</scp>ssessment of <scp>N</scp>ew <scp>R</scp>adiation <scp>O</scp>ncology <scp>T</scp>echnology and <scp>T</scp>reatments (<scp>ANROTAT</scp>) <scp>F</scp>ramework. Journal of Medical Imaging and Radiation Oncology, 2015, 59, 363-370.	0.9	12
132	Dosimetric Consequences of 3D Versus 4D PET/CT for Target Delineation of Lung Stereotactic Radiotherapy. Journal of Thoracic Oncology, 2015, 10, 1112-1115.	0.5	9
133	Reproducibility assessment of dynamically deforming DEFGEL in a respiratory motion phantom. Journal of Physics: Conference Series, 2015, 573, 012024.	0.3	6
134	Audit of radiation dose delivered in timeâ€resolved fourâ€dimensional computed tomography in a radiotherapy department. Journal of Medical Imaging and Radiation Oncology, 2015, 59, 346-352.	0.9	9
135	Respiratory-gated (4D) FDG-PET detects tumour and normal lung response after stereotactic radiotherapy for pulmonary metastases. Acta OncolÃ³gica, 2015, 54, 1105-1112.	0.8	14
136	Medical physics aspects of cancer care in the Asia Pacific region: 2014 survey results. Australasian Physical and Engineering Sciences in Medicine, 2015, 38, 493-501.	1.4	12
137	Calculating radiotherapy margins based on Bayesian modelling of patient specific random errors. Physics in Medicine and Biology, 2015, 60, 1793-1805.	1.6	4
138	On the use of Gafchromic EBT3 films for validating a commercial electron Monte Carlo dose calculation algorithm. Physics in Medicine and Biology, 2015, 60, 2091-2102.	1.6	8
139	Automatic tracking of gold seed markers from CBCT image projections in lung and prostate radiotherapy. Physica Medica, 2015, 31, 185-191.	0.4	10
140	A planning study investigating dual-gated volumetric arc stereotactic treatment of primary renal cell carcinoma. Medical Dosimetry, 2015, 40, 82-88.	0.4	1
141	Comparison of Single-fraction and Multi-fraction Stereotactic Radiotherapy for Patients with 18F-fluorodeoxyglucose Positron Emission Tomography-staged Pulmonary Oligometastases. Clinical Oncology, 2015, 27, 353-361.	0.6	33
142	Long term OSLD reader stability in the ACDS level one audit. Australasian Physical and Engineering Sciences in Medicine, 2015, 38, 151-156.	1.4	7
143	Additive manufacture of custom radiation dosimetry phantoms: An automated method compatible with commercial polymer 3D printers. Materials and Design, 2015, 86, 487-499.	3.3	48
144	The Development of Practice Standards for Radiation Oncology in Australia: A Tripartite Approach. Clinical Oncology, 2015, 27, 325-329.	0.6	7

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145	Sparing Healthy Tissue and Increasing Tumor Dose Using Bayesian Modeling of Geometric Uncertainties for Planning Target Volume Personalization. International Journal of Radiation Oncology Biology Physics, 2015, 92, 446-452.	0.4	4
146	High-resolution pulmonary ventilation and perfusion PET/CT allows for functionally adapted intensity modulated radiotherapy in lung cancer. Radiotherapy and Oncology, 2015, 115, 157-162.	0.3	83
147	National dosimetric audit network finds discrepancies in AAA lung inhomogeneity corrections. Physica Medica, 2015, 31, 435-441.	0.4	36
148	Predictors of Respiratory-induced Lung Tumour Motion Measured on Four-dimensional Computed Tomography. Clinical Oncology, 2015, 27, 197-204.	0.6	12
149	Brief histories of medical physics in Asia-Oceania. Australasian Physical and Engineering Sciences in Medicine, 2015, 38, 381-398.	1.4	10
150	The Use of Dual Vacuum Stabilization Device to Reduce Kidney Motion for Stereotactic Radiotherapy Planning. Technology in Cancer Research and Treatment, 2015, 14, 149-157.	0.8	15
151	Multimodality Guidance for Accurate Bronchoscopic Insertion of Fiducial Markers. Journal of Thoracic Oncology, 2015, 10, 324-330.	0.5	38
152	<scp>CT</scp> perfusion imaging in response assessment of pulmonary metastases undergoing stereotactic ablative radiotherapy. Journal of Medical Imaging and Radiation Oncology, 2015, 59, 207-215.	0.9	7
153	Accuracy and Utility of Deformable Image Registration in 68Ga 4D PET/CT Assessment of Pulmonary Perfusion Changes During and After Lung Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2015, 93, 196-204.	0.4	21
154	Ventilation/Perfusion Positron Emission Tomographyâ€"Based Assessment of Radiation Injury to Lung. International Journal of Radiation Oncology Biology Physics, 2015, 93, 408-417.	0.4	41
155	Image guidance and stabilization for stereotactic ablative body radiation therapy (SABR) treatment of primary kidney cancer. Practical Radiation Oncology, 2015, 5, e597-e605.	1.1	7
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