

# Lidia Strigari

## List of Publications by Year in descending order

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231  
papers

6,275  
citations

87723

38  
h-index

91712

69  
g-index

239  
all docs

239  
docs citations

239  
times ranked

7326  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Prospective Phase III Randomized Trial of Hypofractionation Versus Conventional Fractionation in Patients With High-Risk Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 78, 11-18.	0.4	243
2	MIRD Pamphlet No. 26: Joint EANM/MIRD Guidelines for Quantitative <sup>177</sup> Lu SPECT Applied for Dosimetry of Radiopharmaceutical Therapy. <i>Journal of Nuclear Medicine</i> , 2016, 57, 151-162.	2.8	235
3	Efficacy and Toxicity Related to Treatment of Hepatocellular Carcinoma with <sup>90</sup> Y-SIR Spheres: Radiobiologic Considerations. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1377-1385.	2.8	215
4	Very low intensity ultrasounds as a new strategy to improve selective delivery of nanoparticles-complexes in cancer cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 1.	3.5	200
5	Updated Results and Patterns of Failure in a Randomized Hypofractionation Trial for High-risk Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, 1172-1178.	0.4	187
6	The evidence base for the use of internal dosimetry in the clinical practice of molecular radiotherapy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 1976-1988.	3.3	179
7	Visceral fat shows the strongest association with the need of intensive care in patients with COVID-19. <i>Metabolism: Clinical and Experimental</i> , 2020, 111, 154319.	1.5	159
8	EANM Dosimetry Committee guidance document: good practice of clinical dosimetry reporting. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 192-200.	3.3	156
9	Acute and Late Toxicity in a Randomized Trial of Conventional Versus Hypofractionated Three-Dimensional Conformal Radiotherapy for Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 1013-1021.	0.4	145
10	Moderate Hypofractionation in High-Risk, Organ-Confined Prostate Cancer: Final Results of a Phase III Randomized Trial. <i>Journal of Clinical Oncology</i> , 2017, 35, 1891-1897.	0.8	141
11	International recommendations for personalised selective internal radiation therapy of primary and metastatic liver diseases with yttrium-90 resin microspheres. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1570-1584.	3.3	140
12	Radioembolization of Hepatic Lesions from a Radiobiology and Dosimetric Perspective. <i>Frontiers in Oncology</i> , 2014, 4, 210.	1.3	139
13	A multicentre comparison of quantitative <sup>90</sup> Y PET/CT for dosimetric purposes after radioembolization with resin microspheres. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 1202-1222.	3.3	131
14	EANM Dosimetry Committee Series on Standard Operational Procedures for Pre-Therapeutic Dosimetry II. Dosimetry prior to radioiodine therapy of benign thyroid diseases. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 1126-1134.	3.3	117
15	Endothelial NOS, estrogen receptor $\beta$ , and HIFs cooperate in the activation of a prognostic transcriptional pattern in aggressive human prostate cancer. <i>Journal of Clinical Investigation</i> , 2009, 119, 1093-1108.	3.9	110
16	Radical cystectomy versus organ-sparing trimodality treatment in muscle-invasive bladder cancer: A systematic review of clinical trials. <i>Critical Reviews in Oncology/Hematology</i> , 2015, 95, 387-396.	2.0	100
17	A meta-analysis of the abscopal effect in preclinical models: Is the biologically effective dose a relevant physical trigger?. <i>PLoS ONE</i> , 2017, 12, e0171559.	1.1	99
18	Correlation of dose with toxicity and tumour response to <sup>90</sup> Y- and <sup>177</sup> Lu-PRRT provides the basis for optimization through individualized treatment planning. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 2426-2441.	3.3	94

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19	Dosimetric and clinical advantages of deep inspiration breath-hold (DIBH) during radiotherapy of breast cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2013, 32, 88.	3.5	92
20	Expression of TP53 mutation-associated microRNAs predicts clinical outcome in head and neck squamous cell carcinoma patients. <i>Annals of Oncology</i> , 2013, 24, 3082-3088.	0.6	89
21	Very-Low-Calorie Ketogenic Diets With Whey, Vegetable, or Animal Protein in Patients With Obesity: A Randomized Pilot Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 2939-2949.	1.8	81
22	Kidney Dosimetry in $^{177}\text{Lu}$ and $^{90}\text{Y}$ Peptide Receptor Radionuclide Therapy: Influence of Image Timing, Time-Activity Integration Method, and Risk Factors. <i>BioMed Research International</i> , 2013, 2013, 1-12.	0.9	79
23	The sexist behaviour of immune checkpoint inhibitors in cancer therapy?. <i>Oncotarget</i> , 2017, 8, 99336-99346.	0.8	76
24	A systematic review and meta-analysis of clinical trials of bladder-sparing trimodality treatment for muscle-invasive bladder cancer (MIBC). <i>Critical Reviews in Oncology/Hematology</i> , 2015, 94, 105-115.	2.0	65
25	Performance of commercially available deformable image registration platforms for contour propagation using patient-based computational phantoms: A multi-institutional study. <i>Medical Physics</i> , 2018, 45, 748-757.	1.6	61
26	EANM dosimetry committee series on standard operational procedures: a unified methodology for $^{99\text{mTc}}$ -MAA pre- and $^{90\text{Y}}$ peri-therapy dosimetry in liver radioembolization with $^{90\text{Y}}$ microspheres. <i>EJNMMI Physics</i> , 2021, 8, 77.	1.3	61
27	miR-96-5p targets PTEN expression affecting radio-chemosensitivity of HNSCC cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 141.	3.5	55
28	Lung stereotactic ablative body radiotherapy: A large scale multi-institutional planning comparison for interpreting results of multi-institutional studies. <i>Physica Medica</i> , 2016, 32, 600-606.	0.4	54
29	Abscopal effect of radiation therapy: Interplay between radiation dose and p53 status. <i>International Journal of Radiation Biology</i> , 2014, 90, 248-255.	1.0	53
30	Multicentre treatment planning inter-comparison in a national context: The liver stereotactic ablative radiotherapy case. <i>Physica Medica</i> , 2016, 32, 277-283.	0.4	53
31	A nomogram to predict survival in non-small cell lung cancer patients treated with nivolumab. <i>Journal of Translational Medicine</i> , 2019, 17, 99.	1.8	52
32	ICRU REPORT 96, Dosimetry-Guided Radiopharmaceutical Therapy. <i>Journal of the ICRU</i> , 2021, 21, 1-212.	6.0	52
33	The conflict between treatment optimization and registration of radiopharmaceuticals with fixed activity posology in oncological nuclear medicine therapy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 1783-1786.	3.3	48
34	Anti-PD-1 and Anti-PD-L1 in Head and Neck Cancer: A Network Meta-Analysis. <i>Frontiers in Immunology</i> , 2021, 12, 705096.	2.2	47
35	Retrospective Comparison of External Beam Radiotherapy and Radical Prostatectomy in High-Risk, Clinically Localized Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 75, 975-982.	0.4	46
36	The TOP-IMPLART project. <i>European Physical Journal Plus</i> , 2011, 126, 1.	1.2	46

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37	Lean body mass wasting and toxicity in early breast cancer patients receiving anthracyclines. <i>Oncotarget</i> , 2018, 9, 25714-25722.	0.8	42
38	Anatomical and Dose Changes of Gross Tumour Volume and Parotid Glands for Head and Neck Cancer Patients during Intensity-modulated Radiotherapy: Effect on the Probability of Xerostomia Incidence. <i>Clinical Oncology</i> , 2012, 24, e54-e62.	0.6	41
39	Monte Carlo simulation of electron beams generated by a 12 MeV dedicated mobile IORT accelerator. <i>Physics in Medicine and Biology</i> , 2011, 56, 4579-4596.	1.6	39
40	Estimation of a Self-Consistent Set of Radiobiological Parameters From Hypofractionated Versus Standard Radiation Therapy of Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 85, e231-e237.	0.4	38
41	The Agnostic Role of Site of Metastasis in Predicting Outcomes in Cancer Patients Treated with Immunotherapy. <i>Vaccines</i> , 2020, 8, 203.	2.1	38
42	Recognizing menopause in women with amenorrhea induced by cytotoxic chemotherapy for endocrine-responsive early breast cancer. <i>Endocrine-Related Cancer</i> , 2012, 19, R21-R33.	1.6	35
43	Gamma camera calibration and validation for quantitative SPECT imaging with <sup>177</sup> Lu. <i>Applied Radiation and Isotopes</i> , 2016, 112, 156-164.	0.7	35
44	Role of the Technical Aspects of Hypofractionated Radiation Therapy Treatment of Prostate Cancer: A Review. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 91, 182-195.	0.4	34
45	From fixed activities to personalized treatments in radionuclide therapy: lost in translation?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 152-154.	3.3	34
46	Basic of machine learning and deep learning in imaging for medical physicists. <i>Physica Medica</i> , 2021, 83, 194-205.	0.4	34
47	A feasibility dosimetric study on prostate cancer. <i>Strahlentherapie Und Onkologie</i> , 2015, 191, 573-581.	1.0	33
48	Role of combined DWIBS/3D-CE-T1w whole-body MRI in tumor staging: Comparison with PET-CT. <i>European Journal of Radiology</i> , 2012, 81, 1917-1925.	1.2	32
49	Prognostic role of serum p53 antibodies in lung cancer. <i>BMC Cancer</i> , 2015, 15, 148.	1.1	32
50	Patient positioning in the proton radiotherapy era. <i>Journal of Experimental and Clinical Cancer Research</i> , 2010, 29, 47.	3.5	31
51	A Novel Dose Constraint to Reduce Xerostomia in Head-and-Neck Cancer Patients Treated With Intensity-Modulated Radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 77, 269-276.	0.4	30
52	Correlation between egfr expression and accelerated proliferation during radiotherapy of head and neck squamous cell carcinoma. <i>Radiation Oncology</i> , 2012, 7, 143.	1.2	29
53	Locoregional hyperthermia of deep-seated tumours applied with capacitive and radiative systems: a simulation study. <i>International Journal of Hyperthermia</i> , 2018, 34, 714-730.	1.1	29
54	Prognosis of elderly gastric cancer patients after surgery: a nomogram to predict survival. <i>Medical Oncology</i> , 2018, 35, 111.	1.2	29

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55	A Novel Benchmarking Approach to Assess the Agreement among Radiomic Tools. <i>Radiology</i> , 2022, 303, 533-541.	3.6	29
56	Monte Carlo dose voxel kernel calculations of beta-emitting and Auger-emitting radionuclides for internal dosimetry: A comparison between EGSnrcMP and EGS4. <i>Medical Physics</i> , 2006, 33, 3383-3389.	1.6	28
57	Radiation protection measurements around a 12 MeV mobile dedicated IORT accelerator. <i>Medical Physics</i> , 2010, 37, 995-1003.	1.6	28
58	Hypofractionated High-Dose Radiation Therapy for Prostate Cancer: Long-Term Results of a Multi-Institutional Phase II Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, e483-e490.	0.4	28
59	Phantom validation of quantitative Y-90 PET/CT-based dosimetry in liver radioembolization. <i>EJNMMI Research</i> , 2017, 7, 94.	1.1	28
60	The Role of Soluble LAG3 and Soluble Immune Checkpoints Profile in Advanced Head and Neck Cancer: A Pilot Study. <i>Journal of Personalized Medicine</i> , 2021, 11, 651.	1.1	28
61	Mathematical Model for Evaluating Incidence of Acute Rectal Toxicity During Conventional or Hypofractionated Radiotherapy Courses for Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 73, 1454-1460.	0.4	27
62	A New Model for Predicting Acute Mucosal Toxicity in Head-and-Neck Cancer Patients Undergoing Radiotherapy With Altered Schedules. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, e697-e702.	0.4	26
63	Modeling the positioning of single needle electrodes for the treatment of breast cancer in a clinical case. <i>BioMedical Engineering OnLine</i> , 2015, 14, S1.	1.3	26
64	Tumour control in ion beam radiotherapy with different ions in the presence of hypoxia: an oxygen enhancement ratio model based on the microdosimetric kinetic model. <i>Physics in Medicine and Biology</i> , 2018, 63, 065012.	1.6	26
65	Small field output factors evaluation with a microDiamond detector over 30 Italian centers. <i>Physica Medica</i> , 2016, 32, 1644-1650.	0.4	25
66	Frontiers in planning optimization for lung SBRT. <i>Physica Medica</i> , 2017, 44, 163-170.	0.4	25
67	SBRT planning for spinal metastasis: indications from a large multicentric study. <i>Strahlentherapie Und Onkologie</i> , 2019, 195, 226-235.	1.0	25
68	<sup>68</sup> Ga-DOTATOC PET/CT Follow Up after Single or Hypofractionated Gamma Knife ICON Radiosurgery for Meningioma Patients. <i>Brain Sciences</i> , 2021, 11, 375.	1.1	25
69	Clinical and Dosimetric Predictors of Acute Toxicity After a 4-Week Hypofractionated External Beam Radiotherapy Regimen for Prostate Cancer: Results From a Multicentric Prospective Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 73, 39-45.	0.4	24
70	Silencing of GSTP1, a Prostate Cancer Prognostic Gene, by the Estrogen Receptor- $\beta$ and Endothelial Nitric Oxide Synthase Complex. <i>Molecular Endocrinology</i> , 2011, 25, 2003-2016.	3.7	24
71	In Regard to Miralbell et al. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 85, 10-11.	0.4	24
72	Targeted dose enhancement in radiotherapy for breast cancer using gold nanoparticles, part 1: A radiobiological model study. <i>Medical Physics</i> , 2017, 44, 1983-1992.	1.6	24

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73	EANM position paper on the role of radiobiology in nuclear medicine. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 3365-3377.	3.3	23
74	H19-Dependent Transcriptional Regulation of $\alpha$ 23 and $\alpha$ 24 Integrins Upon Estrogen and Hypoxia Favors Metastatic Potential in Prostate Cancer. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4012.	1.8	22
75	Immune effects of CDK4/6 inhibitors in patients with HR+/HER2 <sup>-</sup> metastatic breast cancer: Relief from immunosuppression is associated with clinical response. <i>EBioMedicine</i> , 2022, 79, 104010.	2.7	22
76	Quantitative accuracy of <sup>177</sup> Lu SPECT imaging for molecular radiotherapy. <i>PLoS ONE</i> , 2017, 12, e0182888.	1.1	21
77	IsoBED: a tool for automatic calculation of biologically equivalent fractionation schedules in radiotherapy using IMRT with a simultaneous integrated boost (SIB) technique. <i>Journal of Experimental and Clinical Cancer Research</i> , 2011, 30, 52.	3.5	19
78	Long-Term Results of a Randomized Trial on the Sequencing of Radiotherapy and Chemotherapy in Breast Cancer. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2011, 34, 238-244.	0.6	19
79	Preliminary results of 45 patients with trigeminal neuralgia treated with radiosurgery compared to hypofractionated stereotactic radiotherapy, using a dedicated linear accelerator. <i>Journal of Clinical Neuroscience</i> , 2012, 19, 1401-1403.	0.8	19
80	The Heterogeneity of Skewness in T2W-Based Radiomics Predicts the Response to Neoadjuvant Chemoradiotherapy in Locally Advanced Rectal Cancer. <i>Diagnostics</i> , 2021, 11, 795.	1.3	19
81	Overview of commercial treatment planning systems for targeted radionuclide therapy. <i>Physica Medica</i> , 2021, 92, 52-61.	0.4	19
82	Experimental determination of calibration settings of a commercially available radionuclide calibrator for various clinical measurement geometries and radionuclides. <i>Applied Radiation and Isotopes</i> , 2007, 65, 120-125.	0.7	18
83	Accelerated hypofractionated radiotherapy as adjuvant regimen after conserving surgery for early breast cancer: interim report of toxicity after a minimum follow up of 3 years. <i>Journal of Experimental and Clinical Cancer Research</i> , 2010, 29, 9.	3.5	18
84	CT-based investigation of the contraction of <i>ex vivo</i> tissue undergoing microwave thermal ablation. <i>Physics in Medicine and Biology</i> , 2018, 63, 055019.	1.6	18
85	TP53 drives abscopal effect by secretion of senescence-associated molecular signals in non-small cell lung cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 89.	3.5	18
86	A heterogeneous dose distribution in simultaneous integrated boost: the role of the clonogenic cell density on the tumor control probability. <i>Physics in Medicine and Biology</i> , 2008, 53, 5257-5273.	1.6	17
87	A modified hypoxia-based TCP model to investigate the clinical outcome of stereotactic hypofractionated regimes for early stage non-small-cell lung cancer (NSCLC). <i>Medical Physics</i> , 2012, 39, 4502-4514.	1.6	17
88	SNPs in DNA repair or oxidative stress genes and late subcutaneous fibrosis in patients following single shot partial breast irradiation. <i>Journal of Experimental and Clinical Cancer Research</i> , 2012, 31, 7.	3.5	17
89	Influence of intensity-modulated radiation therapy technique on xerostomia and related quality of life in patients treated with intensity-modulated radiation therapy for nasopharyngeal cancer. <i>Head and Neck</i> , 2012, 34, 328-335.	0.9	17
90	Evidence from a breast cancer hypofractionated schedule: late skin toxicity assessed by ultrasound. <i>Journal of Experimental and Clinical Cancer Research</i> , 2013, 32, 80.	3.5	17

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91	Novel cancer therapies for advanced cutaneous melanoma: The added value of radiomics in the decision making process—A systematic review. <i>Cancer Medicine</i> , 2020, 9, 1603-1612.	1.3	17
92	Hypofractionated Gamma Knife Radiosurgery: Institutional Experience on Benign and Malignant Intracranial Tumors. <i>Anticancer Research</i> , 2022, 42, 1851-1858.	0.5	17
93	Biological optimization of heterogeneous dose distributions in systemic radiotherapy. <i>Medical Physics</i> , 2006, 33, 1857-1866.	1.6	16
94	Radiopharmaceutical therapy of bone metastases with $^{89}\text{SrCl}_2$ , $^{186}\text{Re-HEDP}$ and $^{153}\text{Sm-EDTMP}$ : a dosimetric study using Monte Carlo simulation. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007, 34, 1031-1038.	3.3	16
95	Pretreatment Dosimetry in HCC Radioembolization with $^{90}\text{Y}$ Glass Microspheres Cannot Be Invalidated with a Bare Visual Evaluation of $^{99\text{mTc-MAA}}$ Uptake of Colorectal Metastases Treated with Resin Microspheres. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1215-1216.	2.8	16
96	Macroscopic Hematuria After Conventional or Hypofractionated Radiation Therapy: Results From a Prospective Phase 3 Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 304-312.	0.4	16
97	Toxicity and cosmesis outcomes after single fraction partial breast irradiation in early stage breast cancer. <i>Radiation Oncology</i> , 2011, 6, 155.	1.2	15
98	Comparative dosimetric and radiobiological assessment among a nonstandard RapidArc, standard RapidArc, classical intensity-modulated radiotherapy, and 3D brachytherapy for the treatment of the vaginal vault in patients affected by gynecologic cancer. <i>Medical Dosimetry</i> , 2012, 37, 347-352.	0.4	15
99	Predicting Ovarian Activity in Women Affected by Early Breast Cancer: A Meta-Analysis-Based Nomogram. <i>Oncologist</i> , 2015, 20, 1111-1118.	1.9	15
100	Technical Note: Multicenter study of TrueBeam FFF beams with a new stereotactic diode: Can a common small field signal ratio curve be defined?. <i>Medical Physics</i> , 2016, 43, 5570-5576.	1.6	15
101	Targeted Alpha Therapy in mCRPC (Metastatic Castration-Resistant Prostate Cancer) Patients: Predictive Dosimetry and Toxicity Modeling of $^{225}\text{Ac-PSMA}$ (Prostate-Specific Membrane Antigen). <i>Frontiers in Oncology</i> , 2020, 10, 531660.	1.3	15
102	Acrometastases to the Hand: A Systematic Review. <i>Medicina (Lithuania)</i> , 2021, 57, 950.	0.8	15
103	Deceased Donor Liver Transplantation After Radioembolization for Hepatocellular Carcinoma and Portal Vein Tumoral Thrombosis: A Pilot Study. <i>Liver Transplantation</i> , 2021, 27, 1758-1766.	1.3	15
104	Therapeutic schemes in $^{177}\text{Lu}$ and $^{90\text{Y-PRRT}}$ : radiobiological considerations. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 61, 216-231.	0.4	15
105	Hypofractionated Conformal Radiotherapy (HCRT) for Primary and Metastatic Lung Cancers with Small Dimension. <i>Strahlentherapie Und Onkologie</i> , 2009, 185, 27-33.	1.0	14
106	Dose and polymorphic genes <i>xrcc1</i> , <i>xrcc3</i> , <i>gst</i> play a role in the risk of developing erythema in breast cancer patients following single shot partial breast irradiation after conservative surgery. <i>BMC Cancer</i> , 2011, 11, 291.	1.1	14
107	Dose evaluation for skin and organ in hepatocellular carcinoma during angiographic procedure. <i>Journal of Experimental and Clinical Cancer Research</i> , 2013, 32, 81.	3.5	14
108	Dosimetric optimization of nuclear medicine therapy based on the Council Directive 2013/59/EURATOM and the Italian law N. 101/2020. Position paper and recommendations by the Italian National Associations of Medical Physics (AIFM) and Nuclear Medicine (AIMN). <i>Physica Medica</i> , 2021, 89, 317-326.	0.4	14

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109	Recent Applications of Artificial Intelligence in Radiotherapy: Where We Are and Beyond. Applied Sciences (Switzerland), 2022, 12, 3223.	1.3	14
110	Sex difference in the safety and efficacy of bariatric procedures: a systematic review and meta-analysis. Surgery for Obesity and Related Diseases, 2022, 18, 983-996.	1.0	14
111	Role of the parameters involved in the plan optimization based on the generalized equivalent uniform dose and radiobiological implications. Physics in Medicine and Biology, 2008, 53, 1665-1675.	1.6	13
112	Modelling the correlation between EGFr expression and tumour cell radiosensitivity, and combined treatments of radiation and monoclonal antibody EGFr inhibitors. Theoretical Biology and Medical Modelling, 2012, 9, 23.	2.1	13
113	Radiobiological Optimization in Lung Stereotactic Body Radiation Therapy: Are We Ready to Apply Radiobiological Models?. Frontiers in Oncology, 2018, 7, 321.	1.3	13
114	Primary Extracranial Meningiomas of the Head and Neck. Life, 2021, 11, 942.	1.1	13
115	Dose escalation using ultra-high dose IMRT in intermediate risk prostate cancer without androgen deprivation therapy: preliminary results of toxicity and biochemical control. Journal of Experimental and Clinical Cancer Research, 2013, 32, 103.	3.5	12
116	Automatic genetic planning for volumetric modulated arc therapy: A large multi-centre validation for prostate cancer. Radiotherapy and Oncology, 2020, 148, 126-132.	0.3	12
117	Personalized Treatment Planning Automation in Prostate Cancer Radiation Oncology: A Comprehensive Dosimetric Study. Frontiers in Oncology, 2021, 11, 636529.	1.3	12
118	Development and optimization of a beam shaper device for a mobile dedicated IOERT accelerator. Medical Physics, 2012, 39, 6080-6089.	1.6	11
119	Cytokine Modulation in Breast Cancer Patients Undergoing Radiotherapy: A Revision of the Most Recent Studies. International Journal of Molecular Sciences, 2019, 20, 382.	1.8	11
120	Computed Tomography to Cone Beam Computed Tomography Deformable Image Registration for Contour Propagation Using Head and Neck, Patient-Based Computational Phantoms: A Multicenter Study. Practical Radiation Oncology, 2020, 10, 125-132.	1.1	11
121	Radiotherapy of prostate cancer: impact of treatment characteristics on the incidence of second tumors. BMC Cancer, 2020, 20, 90.	1.1	11
122	Cerebrospinal Fluid Leaks After Anterior Skull Base Trauma: A Systematic Review of the Literature. World Neurosurgery, 2022, 157, 193-206.e2.	0.7	11
123	A mathematical approach for evaluating the influence of dose heterogeneity on TCP for prostate cancer brachytherapy treatment. Physics in Medicine and Biology, 2008, 53, 5045-5059.	1.6	10
124	Implementation of a new cost efficacy method for blood irradiation using a non dedicated device. Journal of Experimental and Clinical Cancer Research, 2011, 30, 7.	3.5	10
125	Serum p53 antibody detection in patients with impaired lung function. BMC Cancer, 2013, 13, 62.	1.1	10
126	Intensity-modulated pelvic radiation therapy and simultaneous integrated boost to the prostate area in patients with high-risk prostate cancer: a preliminary report of disease control. Cancer Medicine, 2014, 3, 1313-1321.	1.3	10



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127	Degradation Rate of 5-Fluorouracil in Metastatic Colorectal Cancer: A New Predictive Outcome Biomarker?. PLoS ONE, 2016, 11, e0163105.	1.1	10
128	Efficacy and mucosal toxicity of concomitant chemo-radiotherapy in patients with locally-advanced squamous cell carcinoma of the head-and-neck in the light of a novel mathematical model. Critical Reviews in Oncology/Hematology, 2016, 102, 101-110.	2.0	10
129	Quantitative <sup>177</sup> Lu SPECT imaging using advanced correction algorithms in non-reference geometry. Physica Medica, 2016, 32, 1745-1752.	0.4	10
130	A nomogram to predict 5-fluorouracil toxicity. Anti-Cancer Drugs, 2017, 28, 551-556.	0.7	10
131	A multi-center output factor intercomparison to uncover systematic inaccuracies in small field dosimetry. Physics and Imaging in Radiation Oncology, 2018, 5, 93-96.	1.2	10
132	IgM-Rheumatoid factor confers primary resistance to anti-PD-1 immunotherapies in NSCLC patients by reducing CD137+T-cells. EBioMedicine, 2020, 62, 103098.	2.7	10
133	Tissue Immune Profile: A Tool to Predict Response to Neoadjuvant Therapy in Triple Negative Breast Cancer. Cancers, 2020, 12, 2648.	1.7	10
134	Multimodal Simulation of a Novel Device for a Safe and Effective External Ventricular Drain Placement. Frontiers in Neuroscience, 2021, 15, 690705.	1.4	10
135	Circulating CD137+ T Cells Correlate with Improved Response to Anti-PD1 Immunotherapy in Patients with Cancer. Clinical Cancer Research, 2022, 28, 1027-1037.	3.2	10
136	Comparison of IMRT planning with two-step and one-step optimization: a strategy for improving therapeutic gain and reducing the integral dose. Physics in Medicine and Biology, 2009, 54, 7183-7198.	1.6	9
137	Potential Third-party Radiation Exposure from Patients Undergoing Therapy with <sup>131</sup> I for Thyroid Cancer or Metastases. Health Physics, 2015, 108, 319-325.	0.3	9
138	Detection of ATM germline variants by the p53 mitotic centrosomal localization test in BRCA1/2-negative patients with early-onset breast cancer. Journal of Experimental and Clinical Cancer Research, 2016, 35, 135.	3.5	9
139	A novel tool for assessing the correlation of internal/external markers during SGRT guided stereotactic ablative radiotherapy treatments. Physica Medica, 2021, 92, 40-51.	0.4	9
140	Immune Checkpoint Inhibitor-Induced Central Diabetes Insipidus: Looking for the Needle in the Haystack or a Very Rare Side-Effect to Promptly Diagnose?. Frontiers in Oncology, 2022, 12, 798517.	1.3	9
141	Pain Relief after Stereotactic Radiotherapy of Pancreatic Adenocarcinoma: An Updated Systematic Review. Current Oncology, 2022, 29, 2616-2629.	0.9	9
142	Radiation dosimetry of <sup>18</sup> F-fluorocholine PET/CT studies in prostate cancer patients. Physica Medica, 2014, 30, 346-351.	0.4	8
143	Clinical radiobiology of head and neck cancer: the hypothesis of stem cell activation. Clinical and Translational Oncology, 2015, 17, 469-476.	1.2	8
144	Comparison of Empiric Versus Dosimetry-Guided Radioiodine Therapy: The Devil Is in the Details. Journal of Nuclear Medicine, 2017, 58, 862-862.	2.8	8

#	ARTICLE	IF	CITATIONS
145	Optimal scheduling of hypofractionated radiotherapy for localized prostate cancer: A systematic review and meta-analysis of randomized clinical trials. <i>Cancer Treatment Reviews</i> , 2018, 70, 22-29.	3.4	8
146	Preliminary Retrospective Analysis of Daily Tomotherapy Output Constancy Checks Using Statistical Process Control. <i>PLoS ONE</i> , 2016, 11, e0147936.	1.1	8
147	A NTCP approach for estimating the outcome in radioiodine treatment of hyperthyroidism. <i>Medical Physics</i> , 2008, 35, 3903-3910.	1.6	7
148	Monitoring of people and workers exposure to the electric, magnetic and electromagnetic fields in an Italian national cancer Institute. <i>Journal of Experimental and Clinical Cancer Research</i> , 2008, 27, 16.	3.5	7
149	Characterization of a cable-free system based on p-type MOSFET detectors for <i>in vivo</i> entrance skin dose measurements in interventional radiology. <i>Medical Physics</i> , 2012, 39, 4866-4874.	1.6	7
150	Local tumor control probability to evaluate an applicator-guided volumetric modulated arc therapy solution as alternative of 3D brachytherapy for the treatment of the vaginal vault in patients affected by gynecological cancer. <i>Journal of Applied Clinical Medical Physics</i> , 2013, 14, 146-157.	0.8	7
151	Modeling Radiotherapy Induced Normal Tissue Complications: An Overview beyond Phenomenological Models. <i>Computational and Mathematical Methods in Medicine</i> , 2016, 2016, 1-9.	0.7	7
152	Impact of Sequencing Radiation Therapy and Chemotherapy on Long-Term Local Toxicity for Early Breast Cancer: Results of a Randomized Study at 15-Year Follow-Up. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 1201-1209.	0.4	7
153	The role of dosimetry and biological effects in metastatic castration-resistant prostate cancer (mCRPC) patients treated with <sup>223</sup> Ra: first in human study. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 281.	3.5	7
154	Quantitative analysis of basal and interim PET/CT images for predicting tumor recurrence in patients with Hodgkin's lymphoma. <i>Nuclear Medicine Communications</i> , 2016, 37, 16-22.	0.5	7
155	Pharmacogenetic Approach to Toxicity in Breast Cancer Patients Treated with Taxanes. <i>Anticancer Research</i> , 2017, 37, 2633-2639.	0.5	7
156	Dose-Effects Models for Space Radiobiology: An Overview on Dose-Effect Relationships. <i>Frontiers in Public Health</i> , 2021, 9, 733337.	1.3	7
157	Automated Prediction of the Response to Neoadjuvant Chemoradiotherapy in Patients Affected by Rectal Cancer. <i>Cancers</i> , 2022, 14, 2231.	1.7	7
158	Outcome Prediction for SARS-CoV-2 Patients Using Machine Learning Modeling of Clinical, Radiological, and Radiomic Features Derived from Chest CT Images. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4493.	1.3	7
159	Radiation dosimetry is a necessary ingredient for a perfectly mixed molecular radiotherapy cocktail. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 548-549.	3.3	6
160	Targeted dose enhancement in radiotherapy for breast cancer using gold nanoparticles, part 2: A treatment planning study. <i>Medical Physics</i> , 2017, 44, 1993-2001.	1.6	6
161	Duration of response to first androgen deprivation therapy, time to castration resistance prostate cancer, and outcome of metastatic castration resistance prostate cancer patients treated with abiraterone acetate. <i>Anti-Cancer Drugs</i> , 2017, 28, 110-115.	0.7	6
162	Insulin Resistance as a Risk Factor for Cutaneous Melanoma. A Case Control Study and Risk-Assessment Nomograms. <i>Frontiers in Endocrinology</i> , 2019, 10, 757.	1.5	6

#	ARTICLE	IF	CITATIONS
163	Radiomics and Artificial Intelligence in Uterine Sarcomas: A Systematic Review. <i>Journal of Personalized Medicine</i> , 2021, 11, 1179.	1.1	6
164	Treatment of Idiopathic Hemifacial Spasm with Radiosurgery or Hypofractionated Stereotactic Radiotherapy: Preliminary Results. <i>Minimally Invasive Neurosurgery</i> , 2010, 53, 34-36.	0.9	5
165	Tissue Heterogeneity in IMRT Dose Calculation for Lung Cancer. <i>Medical Dosimetry</i> , 2011, 36, 219-227.	0.4	5
166	THE TOP-IMPLART PROTON LINEAR ACCELERATOR: INTERIM CHARACTERISTICS OF THE 35 MEV BEAM. <i>Radiation Protection Dosimetry</i> , 2019, 186, 113-118.	0.4	5
167	DNA damage in lens epithelial cells exposed to occupationally-relevant X-ray doses and role in cataract formation. <i>Scientific Reports</i> , 2020, 10, 21693.	1.6	5
168	Systematic review of stereotactic body radiotherapy for nodal metastases. <i>Clinical and Experimental Metastasis</i> , 2021, 38, 11-29.	1.7	5
169	Classification Performance for COVID Patient Prognosis from Automatic AI Segmentationâ€”A Single-Center Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5438.	1.3	5
170	A scoping review on the â€œburned outâ€•or â€œburnt outâ€•testicular cancer: When a rare phenomenon deserves more attention. <i>Critical Reviews in Oncology/Hematology</i> , 2021, 165, 103452.	2.0	5
171	The advantages of carbon fiber based orthopedic devices in patients who have to undergo radiotherapy. <i>Acta Biomedica</i> , 2020, 91, e2020057.	0.2	5
172	Clinical Studies on Ultrafractionated Chemoradiation: A Systematic Review. <i>Frontiers in Oncology</i> , 2021, 11, 748200.	1.3	5
173	Automated hybrid volumetric modulated arc therapy (HVMAT) for whole-breast irradiation with simultaneous integrated boost to lumpectomy area. <i>Strahlentherapie Und Onkologie</i> , 2022, 198, 254-267.	1.0	5
174	Extra-Neural Metastases From Primary Intracranial Ependymomas: A Systematic Review. <i>Frontiers in Oncology</i> , 2022, 12, 831016.	1.3	5
175	Theory of gasâ€“gas phase transition in rareâ€“gas binary mixtures. <i>Journal of Chemical Physics</i> , 1996, 105, 2020-2027.	1.2	4
176	Comparison of methods to determine accurate dose calibrator activity measurements. <i>Journal of Experimental and Clinical Cancer Research</i> , 2008, 27, 14.	3.5	4
177	Dosimetry is Alive and Well. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2010, 25, 593-595.	0.7	4
178	Monte Carlo as a tool to evaluate the effect of different lung densities on radiotherapy dose distribution. <i>Radiation Protection Dosimetry</i> , 2014, 162, 115-119.	0.4	4
179	Monte Carlo based calibration of an air monitoring system for gamma and beta+ radiation. <i>Applied Radiation and Isotopes</i> , 2015, 105, 273-277.	0.7	4
180	Indirect Basal Metabolism Estimation in Tailoring Recombinant Human TSH Administration in Patients Affected by Differentiated Thyroid Cancer: A Hypothesis-Generating Study. <i>Frontiers in Endocrinology</i> , 2018, 9, 37.	1.5	4

#	ARTICLE	IF	CITATIONS
181	Combination Therapy of High-Dose Rabeprazole Plus Metronomic Capecitabine in Advanced Gastro-Intestinal Cancer: A Randomized Phase II Trial. <i>Cancers</i> , 2020, 12, 3084.	1.7	4
182	Absorbed dose measurements from a 90Y radionuclide liquid solution using LiF:Mg,Cu,P thermoluminescent dosimeters. <i>Physica Medica</i> , 2020, 69, 127-133.	0.4	4
183	The usefulness of sLORETA in evaluating the effect of high-dose ARA-C on brain connectivity in patients with acute myeloid leukemia: an exploratory study. <i>Functional Neurology</i> , 2017, 32, 195.	1.3	4
184	A novel tool for motion-related dose inaccuracies reduction in 99mTc-MAA SPECT/CT images for SIRT planning. <i>Physica Medica</i> , 2022, 98, 98-112.	0.4	4
185	Memantine in the Prevention of Radiation-Induced Brain Damage: A Narrative Review. <i>Cancers</i> , 2022, 14, 2736.	1.7	4
186	Prediction of Overall Survival in Cervical Cancer Patients Using PET/CT Radiomic Features. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5946.	1.3	4
187	Crowd knowledge based community in radiotherapy: In response to Yartev et al.. <i>Radiotherapy and Oncology</i> , 2014, 112, 453.	0.3	3
188	Short course hypofractionated whole breast irradiation after conservative surgery: a single institution phase II study. <i>Journal of Experimental and Clinical Cancer Research</i> , 2017, 36, 191.	3.5	3
189	CHARACTERIZATION OF 27 MEV PROTON BEAM GENERATED BY TOP-IMPLART LINEAR ACCELERATOR. <i>Radiation Protection Dosimetry</i> , 2018, 180, 329-333.	0.4	3
190	Re: Tumor Targeting and Three-Dimensional Voxel-Based Dosimetry to Predict Tumor Response, Toxicity, and Survival after Yttrium-90 Resin Microsphere Radioembolization in Hepatocellular Carcinoma. <i>Journal of Vascular and Interventional Radiology</i> , 2019, 30, 2047-2048.	0.2	3
191	Stereotactic radiotherapy in intrahepatic cholangiocarcinoma: A systematic review. <i>Molecular and Clinical Oncology</i> , 2021, 15, 152.	0.4	3
192	COVID-19 Pandemic-Adapted Radiotherapy Guidelines: Are They Really Followed?. <i>Current Oncology</i> , 2021, 28, 3323-3330.	0.9	3
193	Brainstem Astrocytomas: The Radiosurgical Approach. <i>The Neuroradiology Journal</i> , 2004, 17, 539-547.	0.1	2
194	Color Doppler quantitative measures to predict outcome of biopsies in prostate cancer. <i>Medical Physics</i> , 2008, 35, 4793-4799.	1.6	2
195	In Regard to Vogelius and Bentzen. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 85, 897-898.	0.4	2
196	Physical and Dosimetric Optimization of Laser Equipment in Dermatology: A Preliminary Study. <i>BioMed Research International</i> , 2014, 2014, 1-5.	0.9	2
197	Critical dose and toxicity index of organs at risk in radiotherapy: Analyzing the calculated effects of modified dose fractionation in nonâ€small cell lung cancer. <i>Medical Dosimetry</i> , 2014, 39, 23-30.	0.4	2
198	The use of CT to improve the knowledge of the physical phenomena associated with microwave thermal ablation procedures. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
199	Thermal neutron imaging through XRQA2 GAFCHROMIC films coupled with a cadmium radiator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 798, 70-73.	0.7	2
200	Microwave thermal ablation using CT-scanner for predicting the variation of ablated region over time: advantages and limitations. Physics in Medicine and Biology, 2019, 64, 115021.	1.6	2
201	Validation of a biomarker tool capable of measuring the absorbed dose soon after exposure to ionizing radiation. Scientific Reports, 2021, 11, 8118.	1.6	2
202	Prophylactic Radiotherapy of Hip Heterotopic Ossification: A Narrative Mini Review. In Vivo, 2022, 36, 533-542.	0.6	2
203	Imaging Strategies in Proton Therapy for Thoracic Tumors: A Mini Review. Frontiers in Oncology, 2022, 12, 833364.	1.3	2
204	Twenty years of radiobiology in clinical practice: the Italian contribution. Tumori, 2014, 100, 625-35.	0.6	2
205	Grading Central Diabetes Insipidus Induced by Immune Checkpoint Inhibitors: A Challenging Task. Frontiers in Endocrinology, 2022, 13, 840971.	1.5	2
206	Some Radiosurgery Trials of Glomus Jugulare Tumours. The Neuroradiology Journal, 2005, 18, 341-348.	0.1	1
207	Clinical Evaluation of X-Ray Voxel Monte Carlo Versus Pencil Beam-Based Dose Calculation in Stereotactic Body Radiotherapy of Lung Cancer Under Normal and Deep Inspiration Breath Hold. Technology in Cancer Research and Treatment, 2015, 14, 334-342.	0.8	1
208	Response to: Comment on "Impact of tumor site on the prognosis of small bowel adenocarcinoma". Tumori, 2019, 105, 532-532.	0.6	1
209	How direct measurements on worker eyes with Scheimpflug camera can affect lens dose conversion coefficients in interventional radiology. Journal of Radiological Protection, 2021, 41, .	0.6	1
210	Pre-transplant Psoas Muscle Density as a Ready-to-Use and Low-cost Predictor of Patient Survival After Liver Transplant. Hepatitis Monthly, 2021, 21, .	0.1	1
211	High Energy Physics Astroparticle Experiments to Improve the Radiation Health Risk Assessment in Space Missions. , 2022, , .		1
212	Cerebrospinal Fluid Leaks Following Anterior Skull Base Trauma: A Systematic Review of the Literature. Journal of Neurological Surgery, Part B: Skull Base, 2022, 83, .	0.4	1
213	Intracranial Venous Alteration in Patients With Aneurysmal Subarachnoid Hemorrhage: Protocol for the Prospective and Observational SAH Multicenter Study (SMS). Frontiers in Surgery, 2022, 9, 847429.	0.6	1
214	Long Term Results of Radiosurgery in Recurrences of Cavernous Sinus Meningiomas. The Neuroradiology Journal, 2004, 17, 31-38.	0.1	0
215	The Prime Objective of Radiosurgery in Acoustic Neurinomas. Neuroradiology Journal, 2006, 19, 637-644.	0.6	0
216	In Response to Drs. Vogelius and Bentzen. International Journal of Radiation Oncology Biology Physics, 2011, 80, 316-317.	0.4	0

#	ARTICLE	IF	CITATIONS
217	Hypofractionation and Stereotactic Treatment: Clinical Data. <i>Medical Radiology</i> , 2013, , 163-172.	0.0	0
218	Zero field PDD and TMR data for unflattened beams in conventional linacs: A tool for independent dose calculations. <i>Physica Medica</i> , 2016, 32, 1621-1627.	0.4	0
219	Authors'™ Reply to: Radiobiology as a Basic and Clinical Medical Science: What the Physicists have Forgotten. <i>Tumori</i> , 2016, 102, e9-e9.	0.6	0
220	Mathematical Modelling of Radiobiological Parameters. <i>Current Clinical Pathology</i> , 2016, , 87-100.	0.0	0
221	Definition of Local Recurrence Site in Resected Pancreatic Adenocarcinoma: A Multicenter Study (DOLORES-1). <i>Cancers</i> , 2021, 13, 3051.	1.7	0
222	An Intensive Educational Intervention Significantly Improves the Adoption of Single Fractionation Radiotherapy in Uncomplicated Bone Metastases. <i>Clinical Medicine Insights: Oncology</i> , 2021, 15, 117955492110271.	0.6	0
223	SU-FF-T-129: Comparison of IMRT Planning with Two-Step and One-Step Optimization: Strategy for Improving Therapeutic Gain Reducing Integral Dose. <i>Medical Physics</i> , 2009, 36, 2549-2549.	1.6	0
224	TU-E-201C-04: Quantitative Analysis of Elastography Images in the Detection of Breast Cancer. <i>Medical Physics</i> , 2010, 37, 3405-3405.	1.6	0
225	Abstract P3-06-01: ATM Heterozygosity as a Breast Cancer-Susceptibility Factor in the General Population. , 2010, , .		0
226	Radioembolization of Hepatic Metastases with 90Y-Microspheres: Indications and Procedure. , 2018, , 165-198.		0
227	MON-607 Very Low-Calorie Ketogenic Diet Modifies Visceral Adipose Tissue Distribution and Taxonomic Composition of Gut Microbiota in Obese Patients with Insulin Resistance Depending on Protein Source. <i>Journal of the Endocrine Society</i> , 2020, 4, .	0.1	0
228	Alpha-Emitter Radiopharmaceuticals and External Beam Radiotherapy: A Radiobiological Model for the Combined Treatment. <i>Cancers</i> , 2022, 14, 1077.	1.7	0
229	CARE's™ compliant stereotactic radiotherapy of urothelial nodal metastases: A case report. <i>Molecular and Clinical Oncology</i> , 2022, 16, 85.	0.4	0
230	Adjuvant radiotherapy of endometrial cancer: role of 18F-FDG-PET/CT in treatment modulation. <i>European Journal of Gynaecological Oncology (discontinued)</i> , 2022, 43, 219.	0.3	0
231	Radionuclide Metabolic Therapy. , 2013, , .		0