

Serenella Russo

List of Publications by Year in descending order

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32
papers

522
citations

623574

14
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677027

22
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33
all docs

33
docs citations

33
times ranked

528
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Is the PTW 60019 microDiamond a suitable candidate for small field reference dosimetry?. <i>Physics in Medicine and Biology</i> , 2017, 62, 7036-7055.	1.6	46
3	CyberKnife beam output factor measurements: A multi-site and multi-detector study. <i>Physica Medica</i> , 2016, 32, 1637-1643.	0.4	35
4	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
5	Estimating dose delivery accuracy in stereotactic body radiation therapy: A review of in-vivo measurement methods. <i>Radiotherapy and Oncology</i> , 2020, 149, 158-167.	0.3	34
6	Multicenter evaluation of a synthetic single-crystal diamond detector for CyberKnife small field size output factors. <i>Physica Medica</i> , 2016, 32, 575-581.	0.4	30
7	Small field output factors evaluation with a microDiamond detector over 30 Italian centers. <i>Physica Medica</i> , 2016, 32, 1644-1650.	0.4	25
8	Frontiers in planning optimization for lung SBRT. <i>Physica Medica</i> , 2017, 44, 163-170.	0.4	25
9	Plan quality improvement by DVH sharing and planner's experience: Results of a SBRT multicentric planning study on prostate. <i>Physica Medica</i> , 2019, 62, 73-82.	0.4	25
10	SBRT planning for spinal metastasis: indications from a large multicentric study. <i>Strahlentherapie Und Onkologie</i> , 2019, 195, 226-235.	1.0	25
11	Dosimetric Multicenter Planning Comparison Studies for Stereotactic Body Radiation Therapy: Methodology and Future Perspectives. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 106, 403-412.	0.4	21
12	Clinical implementation of 3D in vivo dosimetry for abdominal and pelvic stereotactic treatments. <i>Radiotherapy and Oncology</i> , 2021, 154, 14-20.	0.3	16
13	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
14	Does deep inspiration breath hold reduce plan complexity? Multicentric experience of left breast cancer radiotherapy with volumetric modulated arc therapy. <i>Physica Medica</i> , 2019, 59, 79-85.	0.4	15
15	Dosimetric characterization of small fields using a plastic scintillator detector: A large multicenter study. <i>Physica Medica</i> , 2017, 41, 33-38.	0.4	14
16	Characterization of EPID software for VMAT transit dosimetry. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2018, 41, 1021-1027.	1.4	14
17	Stereotactic Interstitial Radiosurgery with a Miniature X-Ray Device in the Minimally Invasive Treatment of Selected Tumors in the Thalamus and the Basal Ganglia. <i>Stereotactic and Functional Neurosurgery</i> , 2002, 79, 202-213.	0.8	12
18	Accuracy evaluation of image registration and segmentation tools used in conformal treatment planning of prostate cancer. <i>Computerized Medical Imaging and Graphics</i> , 2006, 30, 1-7.	3.5	12

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19	A multi-center output factor intercomparison to uncover systematic inaccuracies in small field dosimetry. <i>Physics and Imaging in Radiation Oncology</i> , 2018, 5, 93-96.	1.2	10
20	A national survey on technology and quality assurance for stereotactic body radiation therapy. <i>Physica Medica</i> , 2019, 65, 6-14.	0.4	10
21	Acute tolerance of Moderna mRNA-1273 vaccine against COVID-19 in patients with cancer treated with radiotherapy. <i>Lancet Oncology</i> , The, 2021, 22, 1212-1214.	5.1	9
22	Community approach for reducing small field measurement errors: Experience over 24 centres. <i>Radiotherapy and Oncology</i> , 2019, 132, 218-222.	0.3	8
23	Applications of artificial intelligence in stereotactic body radiation therapy. <i>Physics in Medicine and Biology</i> , 2022, 67, 16TR01.	1.6	7
24	Multi-site evaluation of the Razor stereotactic diode for CyberKnife small field relative dosimetry. <i>Physica Medica</i> , 2019, 65, 40-45.	0.4	6
25	Geometric contour variation in clinical target volume of axillary lymph nodes in breast cancer radiotherapy: an AIRO multi-institutional study. <i>British Journal of Radiology</i> , 2021, 94, 20201177.	1.0	6
26	Lean Thinking to manage a national working group on physics aspects of Stereotactic Body Radiation Therapy. <i>Medical Physics</i> , 2021, 48, 2050-2056.	1.6	5
27	A Validation Method for EPID In Vivo Dosimetry Algorithms. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10715.	1.3	4
28	SBRT for pancreatic cancer: In regard of Bohoudi et al.. <i>Radiotherapy and Oncology</i> , 2018, 127, 509-510.	0.3	2
29	The influence of basic plan parameters on calculated small field output factors – A multicenter study. <i>Physica Medica</i> , 2021, 88, 98-103.	0.4	2
30	The influence of small field output factors simulated uncertainties on the calculated dose in VMAT plans for brain metastases: a multicentre study. <i>British Journal of Radiology</i> , 2021, 94, 20201354.	1.0	1
31	Clarifications on our review on estimating dose delivery accuracy in stereotactic body radiation therapy: A review of in-vivo measurement methods: In response to the letter of Kos. <i>Radiotherapy and Oncology</i> , 2020, 153, 320-321.	0.3	0
32	Dosimetric Characterization of Small Radiotherapy Electron Beams Collimated by Circular Applicators with the New Microsilicon Detector. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 600.	1.3	0