

Jatinder Palta

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

930
citations

686830

13
h-index

476904

29
g-index

35
all docs

35
docs citations

35
times ranked

906
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementing IMRT in clinical practice: a joint document of the American Society for Therapeutic Radiology and Oncology and the American Association of Physicists in Medicine. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 58, 1616-1634.	0.4	211
2	American Association of Physicists in Medicine Task Group 263: Standardizing Nomenclatures in Radiation Oncology. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 100, 1057-1066.	0.4	140
3	Evaluation of surface and build-up region dose for intensity-modulated radiation therapy in head and neck cancer. <i>Medical Physics</i> , 2005, 32, 2682-2689.	1.6	81
4	Leaf sequencing algorithms for segmented multileaf collimation. <i>Physics in Medicine and Biology</i> , 2003, 48, 307-324.	1.6	72
5	American Society of Radiation Oncology Recommendations for Documenting Intensity-Modulated Radiation Therapy Treatments. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 74, 1311-1318.	0.4	61
6	Dose variations with varying calculation grid size in head and neck IMRT. <i>Physics in Medicine and Biology</i> , 2006, 51, 4841-4856.	1.6	55
7	<i>In vivo</i> verification of proton beam path by using post-treatment PET/CT imaging. <i>Medical Physics</i> , 2009, 36, 4136-4146.	1.6	48
8	A Survey on Recent Named Entity Recognition and Relationship Extraction Techniques on Clinical Texts. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8319.	1.3	34
9	Optimal leaf sequencing with elimination of tongue-and-groove underdosage. <i>Physics in Medicine and Biology</i> , 2004, 49, N7-N19.	1.6	32
10	A generalized <i>a priori</i> dose uncertainty model of IMRT delivery. <i>Medical Physics</i> , 2008, 35, 982-996.	1.6	25
11	Optimal field splitting for large intensity-modulated fields. <i>Medical Physics</i> , 2004, 31, 3314-3323.	1.6	19
12	Integrating the Healthcare Enterprise in Radiation Oncology Plug and Play – The Future of Radiation Oncology?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, 333-336.	0.4	19
13	A novel dose uncertainty model and its application for dose verification. <i>Medical Physics</i> , 2005, 32, 1747-1756.	1.6	17
14	Integrated Natural Language Processing and Machine Learning Models for Standardizing Radiotherapy Structure Names. <i>Healthcare (Switzerland)</i> , 2020, 8, 120.	1.0	17
15	Dosimetric uncertainty in prostate cancer proton radiotherapy. <i>Medical Physics</i> , 2008, 35, 4800-4807.	1.6	12
16	Automatic Incident Triage in Radiation Oncology Incident Learning System. <i>Healthcare (Switzerland)</i> , 2020, 8, 272.	1.0	11
17	Addressing connectivity issues: The Integrating the Healthcare Enterprise-Radiation Oncology (IHE-RO) initiative. <i>Practical Radiation Oncology</i> , 2011, 1, 226-231.	1.1	10
18	Knowledge-Based Statistical Inference Method for Plan Quality Quantification. <i>Technology in Cancer Research and Treatment</i> , 2019, 18, 153303381985775.	0.8	10

#	ARTICLE	IF	CITATIONS
19	A retrospective 4D ⁺ MRI based on 2D diaphragm profiles for lung cancer patients. Journal of Medical Imaging and Radiation Oncology, 2019, 63, 360-369.	0.9	10
20	A Machine Learning method for relabeling arbitrary DICOM structure sets to TG-263 defined labels. Journal of Biomedical Informatics, 2020, 109, 103527.	2.5	10
21	Generalized field-splitting algorithms for optimal IMRT delivery efficiency. Physics in Medicine and Biology, 2007, 52, 5483-5496.	1.6	8
22	PARTITIONING 3D PHANTOMS INTO HOMOGENEOUS CUBOIDS. International Journal of Foundations of Computer Science, 2003, 14, 905-931.	0.8	4
23	Multi-View Data Integration Methods for Radiotherapy Structure Name Standardization. Cancers, 2021, 13, 1796.	1.7	4
24	Deep neural network models to automate incident triage in the radiation oncology incident learning system. , 2021, , .		4
25	Precision and Uncertainties in Proton Therapy for Nonmoving Targets. Series in Medical Physics and Biomedical Engineering, 2011, , 413-434.	0.1	4
26	Is Dosimetric Effect of Leaf Width of MLC Clinically Significant in IMRT. , 2007, , 1766-1769.		3
27	Machine-Learning Models for Multicenter Prostate Cancer Treatment Plans. Journal of Computational Biology, 2021, 28, 166-184.	0.8	3
28	An efficient planning technique for low dose whole lung radiation therapy for covid-19 pandemic patients. Physics and Imaging in Radiation Oncology, 2020, 16, 85-88.	1.2	2
29	Low complexity (e.g., ⁶⁰ Co teletherapy) is the appropriate level of radiotherapy for use in low-income countries. Medical Physics, 2020, 47, 4671-4674.	1.6	2
30	Optimization of parameters for fitting linear accelerator photon beams using a modified CBEAM model. Medical Physics, 1989, 16, 896-901.	1.6	1
31	Treatment Practice Analysis of Intermediate or High Risk Localized Prostate Cancer: A Multi-center Study with Veterans Health Administration Data. Lecture Notes in Computer Science, 2020, , 134-146.	1.0	1
32	A Systematic Analysis of IMRT QA Results. , 2007, , 1815-1818.		0
33	IMRT dose verification using the dose uncertainty prediction model. , 2007, , 1819-1822.		0
34	A new paradigm of IMRT plan evaluation with uncertainty volume histogram. , 2007, , 1941-1944.		0