

Carlo Cavedon

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,387
citations

430442

18
h-index

329751

37
g-index

42
all docs

42
docs citations

42
times ranked

1730
citing authors

#	ARTICLE	IF	CITATIONS
1	Report of AAPM TG 135: Quality assurance for robotic radiosurgery. <i>Medical Physics</i> , 2011, 38, 2914-2936.	1.6	196
2	First human Cerenkography. <i>Journal of Biomedical Optics</i> , 2013, 18, 020502.	1.4	139
3	Total scatter factors of small beams: A multidetector and Monte Carlo study. <i>Medical Physics</i> , 2008, 35, 504-513.	1.6	121
4	CYBERKNIFE RADIOSURGERY FOR BENIGN MENINGIOMAS. <i>Neurosurgery</i> , 2009, 64, A7-A13.	0.6	98
5	Use of a new type of radiochromic film, a new parallel-plate micro-chamber, MOSFETs, and TLD 800 microcubes in the dosimetry of small beams. <i>Medical Physics</i> , 1998, 25, 503-511.	1.6	95
6	Texture analysis of 3D dose distributions for predictive modelling of toxicity rates in radiotherapy. <i>Radiotherapy and Oncology</i> , 2018, 129, 548-553.	0.3	89
7	Cone Beam CT Image Guidance for Intracranial Stereotactic Treatments: Comparison With a Frame Guided Set-Up. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 926-933.	0.4	74
8	Early results of CyberKnife radiosurgery for arteriovenous malformations. <i>Journal of Neurosurgery</i> , 2009, 111, 807-819.	0.9	61
9	Photon dose calculation of a three-dimensional treatment planning system compared to the Monte Carlo code BEAM. <i>Medical Physics</i> , 2000, 27, 1579-1587.	1.6	56
10	Three-dimensional angiography for radiosurgical treatment planning for arteriovenous malformations. <i>Journal of Neurosurgery</i> , 2003, 98, 536-543.	0.9	44
11	Is there a correlation between 3T multiparametric MRI and molecular subtypes of breast cancer?. <i>European Journal of Radiology</i> , 2018, 108, 120-127.	1.2	34
12	Clinical Breast MR Using MRS or DWI: Who Is the Winner?. <i>Frontiers in Oncology</i> , 2016, 6, 217.	1.3	30
13	BOLD fMRI integration into radiosurgery treatment planning of cerebral vascular malformations. <i>Medical Physics</i> , 2007, 34, 1176-1184.	1.6	29
14	Application of a Monte Carlo based method for total scatter factors of small beams to new solid state micro detectors. <i>Journal of Applied Clinical Medical Physics</i> , 2009, 10, 147-152.	0.8	28
15	Development and validation of a CT-3D rotational angiography registration method for AVM radiosurgery. <i>Medical Physics</i> , 2004, 31, 1363-1371.	1.6	25
16	Accelerated Partial Breast Irradiation Using Only Intraoperative Electron Radiation Therapy in Early Stage Breast Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, e145-e152.	0.4	23
17	Low voltage CTPA for patients with suspected pulmonary embolism. <i>European Journal of Radiology</i> , 2012, 81, e580-e584.	1.2	20
18	Single-energy low-voltage arterial phase MDCT scanning increases conspicuity of adenocarcinoma of the pancreas. <i>European Journal of Radiology</i> , 2014, 83, e113-e117.	1.2	20

#	ARTICLE	IF	CITATIONS
19	CT radiomic models to distinguish COVID-19 pneumonia from other interstitial pneumonias. <i>Radiologia Medica</i> , 2021, 126, 1037-1043.	4.7	18
20	1H-MR spectroscopy of suspicious breast mass lesions at 3T: a clinical experience. <i>Radiologia Medica</i> , 2017, 122, 161-170.	4.7	17
21	18F-FDG PET/CT Metrics Are Correlated to the Pathological Response in Esophageal Cancer Patients Treated With Induction Chemotherapy Followed by Neoadjuvant Chemo-Radiotherapy. <i>Frontiers in Oncology</i> , 2020, 10, 599907.	1.3	16
22	Stereotactic body radiation therapy for a new lung cancer arising after pneumonectomy: dosimetric evaluation and pulmonary toxicity. <i>British Journal of Radiology</i> , 2015, 88, 20150228.	1.0	15
23	Relevance of Biologically Equivalent Dose Values in Outcome Evaluation of Stereotactic Radiotherapy for Lung Nodules. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 145-151.	0.4	13
24	Dosimetric characterization and behaviour in small X-ray fields of a microchamber and a plastic scintillator detector. <i>British Journal of Radiology</i> , 2017, 90, 20160596.	1.0	13
25	Real-time control of respiratory motion: Beyond radiation therapy. <i>Physica Medica</i> , 2019, 66, 104-112.	0.4	13
26	Dosimetric Feasibility Study of Dose Escalated Stereotactic Body Radiation Therapy (SBRT) in Locally Advanced Pancreatic Cancer (LAPC) Patients: It Is Time to Raise the Bar. <i>Frontiers in Oncology</i> , 2020, 10, 600940.	1.3	13
27	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
28	Direct tumor in vivo dosimetry in highly-conformal radiotherapy: A feasibility study of implantable MOSFETs for hypofractionated extracranial treatments using the Cyberknife® system. <i>Medical Physics</i> , 2010, 37, 1413-1423.	1.6	11
29	High-field MR spectroscopy in the multiparametric MRI evaluation of breast lesions. <i>Physica Medica</i> , 2016, 32, 1707-1711.	0.4	10
30	A simple method to verify in vivo the accuracy of target coordinates in linear accelerator radiosurgery. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998, 41, 951-954.	0.4	8
31	Optimized PET Imaging for 4D Treatment Planning in Radiotherapy: the Virtual 4D PET Strategy. <i>Technology in Cancer Research and Treatment</i> , 2015, 14, 99-110.	0.8	8
32	Risk Adapted Ablative Radiotherapy After Intensive Chemotherapy for Locally Advanced Pancreatic Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 662205.	1.3	7
33	A Dirichlet process mixture model for automatic ¹⁸ F-FDG PET image segmentation: Validation study on phantoms and on lung and esophageal lesions. <i>Medical Physics</i> , 2016, 43, 2491-2507.	1.6	6
34	Three-dimensional rotational angiography (3DRA) adds substantial information to radiosurgery treatment planning of AVM'S compared to angio-CT and angio-MR. <i>Medical Physics</i> , 2004, 31, 2181-2183.	1.6	5
35	Computed tomography-based radiomic to predict resectability in locally advanced pancreatic cancer treated with chemotherapy and radiotherapy. <i>World Journal of Gastrointestinal Oncology</i> , 2022, 14, 703-715.	0.8	4
36	Molecular Guidance for Planning External Beam Radiation Therapy. , 2019, , 977-1006.		3

#	ARTICLE	IF	CITATIONS
37	A phase II trial proposal of total neoadjuvant treatment with primary chemotherapy, stereotactic body radiation therapy, and intraoperative radiation therapy in borderline resectable pancreatic adenocarcinoma. BMC Cancer, 2021, 21, 165.	1.1	2
38	Arteriovenous Malformation Radiosurgery: Evolution of the Technique. , 2006, 6, 1-11.		1
39	Performance of a Motion Tracking System During Cyberknife Robotic Radiosurgery. , 2009, , .		1
40	Long-Term Outcomes Using Electron IOERT APBI for Early Stage Breast Cancer: The Verona University Hospital Experience. Clinical Breast Cancer, 2021, , .	1.1	0