

# Paolo Francescon

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,753  
citations

279487

23  
h-index

414034

32  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1567  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Linear Accelerator Radiosurgery of Cerebral Arteriovenous Malformations. <i>Neurosurgery</i> , 1994, 34, 14-21.   | 0.6 | 246       |
| 2  | Unresectable Locally Advanced Pancreatic Cancer: A Multimodal Treatment Using Neoadjuvant Chemoradiotherapy (Gemcitabine Plus Stereotactic Radiosurgery) and Subsequent Surgical Exploration. <i>Annals of Surgical Oncology</i> , 2010, 17, 2092-2101. | 0.7 | 154       |
| 3  | Calculation of for several small detectors and for two linear accelerators using Monte Carlo simulations. <i>Medical Physics</i> , 2011, 38, 6513-6527.   | 1.6 | 141       |
| 4  | Total scatter factors of small beams: A multidetector and Monte Carlo study. <i>Medical Physics</i> , 2008, 35, 504-513.  | 1.6 | 121       |
| 5  | CYBERKNIFE RADIOSURGERY FOR BENIGN MENINGIOMAS. <i>Neurosurgery</i> , 2009, 64, A7-A13.   | 0.6 | 98        |
| 6  | 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        |
| 7  | Chemoradiation treatment with gemcitabine plus stereotactic body radiotherapy for unresectable, non-metastatic, locally advanced hilar cholangiocarcinoma. Results of a five year experience. <i>Radiotherapy and Oncology</i> , 2011, 99, 120-123.     | 0.3 | 79        |
| 8  | Variation of $k_{Q,clin}$ , $Q_{msr,clin}$ , $f_{msr}$ for the small field dosimetric parameters percentage depth dose, tissue $\epsilon_{max}$ ratio, and off $\epsilon_{axis}$ ratio. <i>Medical Physics</i> , 2014, 41, 101708.                      | 1.6 | 73        |
| 9  | Quality assurance of volumetric modulated arc therapy: Evaluation and comparison of different dosimetric systems. <i>Medical Physics</i> , 2011, 38, 612-621.   | 1.6 | 71        |
| 10 | Image-guided robotic stereotactic radiosurgery for unresectable liver metastases: preliminary results. <i>Anticancer Research</i> , 2009, 29, 3381-4.   | 0.5 | 69        |
| 11 | Early results of CyberKnife radiosurgery for arteriovenous malformations. <i>Journal of Neurosurgery</i> , 2009, 111, 807-819.  | 0.9 | 61        |
| 12 | 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        |
| 13 | Report of AAPM Task Group 155: Megavoltage photon beam dosimetry in small fields and non $\epsilon_{equilibrium}$ conditions. <i>Medical Physics</i> , 2021, 48, e886-e921.   | 1.6 | 50        |
| 14 | Use of motion tracking in stereotactic body radiotherapy: Evaluation of uncertainty in off-target dose distribution and optimization strategies. <i>Acta Oncologica</i> , 2006, 45, 943-947.  | 0.8 | 49        |
| 15 | Dose verification of an IMRT treatment planning system with the BEAM EGS4-based Monte Carlo code. <i>Medical Physics</i> , 2003, 30, 144-157.   | 1.6 | 45        |
| 16 | Three-dimensional angiography for radiosurgical treatment planning for arteriovenous malformations. <i>Journal of Neurosurgery</i> , 2003, 98, 536-543.   | 0.9 | 44        |
| 17 | Characterization of a new MOSFET detector configuration for in vivo skin dosimetry. <i>Medical Physics</i> , 2005, 32, 1571-1578.   | 1.6 | 44        |
| 18 | Body surface maps in left bundle branch block uncomplicated or complicated by myocardial infarction, left ventricular hypertrophy or myocardial ischemia. <i>Journal of Electrocardiology</i> , 1987, 20, 1-20.   | 0.4 | 36        |

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|----|---|-----|-----------|
| 19 | CyberKnife beam output factor measurements: A multi-site and multi-detector study. <i>Physica Medica</i> , 2016, 32, 1637-1643.   | 0.4 | 35        |
| 20 | 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        |
| 21 | BOLD FMRI integration into radiosurgery treatment planning of cerebral vascular malformations. <i>Medical Physics</i> , 2007, 34, 1176-1184.  | 1.6 | 29        |
| 22 | Application of a Monte Carlo based method for total scatter factors of small beams to new solid state microdetectors. <i>Journal of Applied Clinical Medical Physics</i> , 2009, 10, 147-152.   | 0.8 | 28        |
| 23 | 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        |
| 24 | Small field dosimetry: What have we learnt?. <i>AIP Conference Proceedings</i> , 2016, , .  | 0.3 | 18        |
| 25 | 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        |
| 26 | 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        |
| 27 | Severity of arrhythmias and extent of hypertrophy in hypertrophic cardiomyopathy. <i>American Heart Journal</i> , 1989, 118, 734-738.   | 1.2 | 8         |
| 28 | 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         |
| 29 | Electrocardiographic Abnormalities in Hypertrophic Cardiomyopathy: Its Relation to the Extent of Myocardial Hypertrophy. <i>American Journal of Noninvasive Cardiology</i> , 1988, 2, 199-204.  | 0.1 | 5         |
| 30 | Diagnostic features of body surface potential maps in patients with myocardial ischemia and normal resting 12-lead electrocardiograms. <i>American Journal of Cardiology</i> , 1990, 65, 973-979.                                       | 0.7 | 3         |
| 31 | Arteriovenous Malformation Radiosurgery: Evolution of the Technique. , 2006, 6, 1-11.   |     | 1         |
| 32 | Performance of a Motion Tracking System During Cyberknife Robotic Radiosurgery. , 2009, , .   |     | 1         |