

# Michael Barnes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7624097/publications.pdf>

Version: 2024-02-01

11  
papers

103  
citations

1684188

5  
h-index

1372567

10  
g-index

11  
all docs

11  
docs citations

11  
times ranked

94  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of the electronic portal imaging device pixelâ€sensitivityâ€map for quality assurance applications. Part 1: Comparison of methods. Journal of Applied Clinical Medical Physics, 2022, , e13603.	1.9	2
2	Determination of the electronic portal imaging device pixelâ€sensitivityâ€map for quality assurance applications. Part 2: Photon beam dependence. Journal of Applied Clinical Medical Physics, 2022, , e13602.	1.9	1
3	Theoretical evaluation of a novel method for producing fluorine-18 for Positron-emission-tomography (PET) applications utilizing the $3\text{He}(d,p)4\text{He}$ reaction. Physical and Engineering Sciences in Medicine, 2021, 44, 843-853.	2.4	1
4	The effect of the horizontal metallic drive on reference dosimetry in the SNC 3D scanner water tank. Journal of Applied Clinical Medical Physics, 2020, 21, 95-101.	1.9	0
5	Evaluation of the truebeam machine performance check (MPC): OBI X-ray tube alignment procedure. Journal of Applied Clinical Medical Physics, 2018, 19, 68-78.	1.9	9
6	A proposed method for linear accelerator photon beam steering using EPID. Journal of Applied Clinical Medical Physics, 2018, 19, 591-597.	1.9	5
7	Evaluation of the truebeam machine performance check (<sc>MPC</sc>) geometric checks for daily <sc>IGRT</sc> geometric accuracy quality assurance. Journal of Applied Clinical Medical Physics, 2017, 18, 200-206.	1.9	26
8	Evaluation of the truebeam machine performance check (<sc>MPC</sc>): mechanical and collimation checks. Journal of Applied Clinical Medical Physics, 2017, 18, 56-66.	1.9	20
9	Timeâ€resolved beam symmetry measurement for VMAT commissioning and quality assurance. Journal of Applied Clinical Medical Physics, 2016, 17, 220-230.	1.9	2
10	VMAT linear accelerator commissioning and quality assurance: dose control and gantry speed tests. Journal of Applied Clinical Medical Physics, 2016, 17, 246-261.	1.9	5
11	An EPID-based method for comprehensive verification of gantry, EPID and the MLC carriage positional accuracy in Varian linacs during arc treatments. Radiation Oncology, 2014, 9, 249.	2.7	32