Alexandre M CaraÃ§a Santos

List of Publications by Year
in descending order

19 papers	169 citations	1306789 7 h-index	1125271 13 g-index
21 all docs	21 docs citations	21 times ranked	162 citing authors

#	Article	IF	Citations
1	A dosimetric comparison of CT- and photogrammetry- generated 3D printed HDR brachytherapy surface applicators. Physical and Engineering Sciences in Medicine, 2022, 45, 125-134.	1.3	4
2	Radiation dose calculation in 3D heterogeneous media using artificial neural networks. Medical Physics, 2021, 48, 2637-2645.	1.6	5
3	Evaluation of camera settings for photogrammetric reconstruction of humanoid phantoms for EBRT bolus and HDR surface brachytherapy applications. Physical and Engineering Sciences in Medicine, 2021, 44, 457-471.	1.3	6
4	Lightweight Bismuth Titanate (Bi₄Ti₃O₁₂) Nanoparticle-Epoxy Composite for Advanced Lead-Free X-ray Radiation Shielding. ACS Applied Nano Materials, 2021, 4, 7471-7478.	2.4	28
5	Estimating the second primary cancer risk due to proton therapy compared to hybrid IMRT for left sided breast cancer. Acta OncolÃ³gica, 2021, 60, 300-304.	0.8	6
6	Deconvolution analysis improves real-time OSL of BeO ceramic. Radiation Measurements, 2021, 149, 106680.	0.7	1
7	Design and verification of an external radiobiological beam port on a 16.5 MeV GE PETtrace proton cyclotron. Medical Physics, 2020, 47, 393-403.	1.6	0
8	Will COVID-19 change the way we teach medical physics post pandemic?. Physical and Engineering Sciences in Medicine, 2020, 43, 735-738.	1.3	5
9	Temporal modelling of beryllium oxide ceramicsâ€™ real-time OSL for dosimetry with a superficial 140ÂkVp X-ray beam. Physica Medica, 2020, 80, 17-22.	0.4	1
10	Application of optical photogrammetry in radiation oncology: HDR surface mold brachytherapy. Brachytherapy, 2019, 18, 689-700.	0.2	11
11	Evaluation of a real-time optically stimulated luminescence beryllium oxide (BeO) fibre-coupled dosimetry system with a superficial 140â€¯kVp X-ray beam. Physica Medica, 2019, 65, 167-171.	0.4	4
12	An affordable custom phantom for measurement of linac time delay in gated treatments with irregular breathing. Australasian Physical and Engineering Sciences in Medicine, 2019, 42, 863-869.	1.4	2
13	Evaluation of silica and PMMA optical fibre response when irradiated with 16.5â€¯MeV protons. Physica Medica, 2019, 65, 15-20.	0.4	5
14	Risk estimation of second primary cancers after breast radiotherapy. Acta OncolÃ³gica, 2016, 55, 1331-1337.	0.8	27
15	Evaluation of a realâ€time BeO ceramic fiberâ€coupled luminescence dosimetry system for dose verification of high dose rate brachytherapy. Medical Physics, 2015, 42, 6349-6356.	1.6	11
16	Energy dependency of a water-equivalent fibre-coupled beryllium oxide (BeO) dosimetry system. Radiation Measurements, 2015, 73, 1-6.	0.7	14
17	Investigation of a fibre-coupled beryllium oxide (BeO) ceramic luminescence dosimetry system. Radiation Measurements, 2014, 70, 52-58.	0.7	14
18	Characterisation of a real-time fibre-coupled beryllium oxide (BeO) luminescence dosimeter in X-ray beams. Radiation Measurements, 2013, 53-54, 1-7.	0.7	25

#	Article	IF	Citations
19	Optimal light collection in BeO fiber optic dosimetry. , 2011, , .		0