

# Mahdi Ghorbani

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

260  
citations

1040056

9  
h-index

1058476

14  
g-index

36  
all docs

36  
docs citations

36  
times ranked

261  
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of various amounts of fabricating components on the response of PASSAG polymer gel dosimeter: An optimization study. Radiation Physics and Chemistry, 2022, 190, 109804.	2.8	4
2	Dosimetric evaluation of neutron contamination caused by dental restorations during photon radiotherapy with a 15ÅMVÅSiemens Primus linear accelerator. Radiation Physics and Chemistry, 2020, 174, 108961.	2.8	3
3	Assessment of skin dose in breast cancer radiotherapy: on-phantom measurement and Monte Carlo simulation. Reports of Practical Oncology and Radiotherapy, 2020, 25, 456-461.	0.6	5
4	Effect of computed tomography number-relative electron density conversion curve on the calculation of radiotherapy dose and evaluation of Monaco radiotherapy treatment planning system. Australasian Physical and Engineering Sciences in Medicine, 2019, 42, 489-502.	1.3	2
5	Experimental study of the influence of dental restorations on thermal and fast photo-neutron production in radiotherapy with a high-energy photon beam. Applied Radiation and Isotopes, 2019, 147, 113-120.	1.5	1
6	Detailed analysis of dose difference in using water as tissue-equivalent material in 252Cf brachytherapy. Reports of Practical Oncology and Radiotherapy, 2019, 24, 660-666.	0.6	2
7	Dosimetric evaluation of scattered and attenuated radiation due to dental restorations in head and neck radiotherapy. Journal of Radiation Research and Applied Sciences, 2018, 11, 23-28.	1.2	5
8	Physical, dosimetric and clinical aspects and delivery systems in neutron capture therapy. Reports of Practical Oncology and Radiotherapy, 2018, 23, 462-473.	0.6	23
9	Evaluation of dose rate and photon energy dependence of PASSAG polymer gel dosimeter. Journal of Radioanalytical and Nuclear Chemistry, 2018, 317, 1041-1050.	1.5	15
10	Assessment of dose uniformity around high dose rate 192Ir and 60Co stepping sources. Radiological Physics and Technology, 2017, 10, 454-463.	1.9	3
11	Effects of Siemens TT-D carbon fiber table top on beam attenuation, and build up region of 6 MV photon beam. Reports of Practical Oncology and Radiotherapy, 2017, 22, 19-28.	0.6	5
12	Assessment the accuracy of dose calculation in build-up region for two radiotherapy treatment planning systems. Journal of Cancer Research and Therapeutics, 2017, 13, 968-973.	0.9	4
13	Evaluation of the accuracy of various dose calculation algorithms of a commercial treatment planning system in the presence of hip prosthesis and comparison with Monte Carlo. Journal of Cancer Research and Therapeutics, 2017, 13, 501-509.	0.9	11
14	Evaluation of the effect of soft tissue composition on the characteristics of spread-out Bragg peak in proton therapy. Journal of Cancer Research and Therapeutics, 2017, 13, 974-980.	0.9	3
15	Effect of various dental restorations on dose distribution of 6 MV photon beam. Journal of Cancer Research and Therapeutics, 2017, 13, 538-543.	0.9	1
16	A comparison study on various low energy sources in interstitial prostate brachytherapy. Journal of Contemporary Brachytherapy, 2016, 1, 74-81.	0.9	6
17	In vivo skin dose measurement in breast conformal radiotherapy. Wspolczesna Onkologia, 2016, 2, 137-140.	1.4	9
18	Evaluating the effect of various intracavitary applicators on dosimetric parameters of 192Ir, 137Cs, and 60Co sources. Australasian Physical and Engineering Sciences in Medicine, 2016, 39, 477-491.	1.3	2

#	ARTICLE	IF	CITATIONS
19	Evaluation of the effect of tooth and dental restoration material on electron dose distribution and production of photon contamination in electron beam radiotherapy. Australasian Physical and Engineering Sciences in Medicine, 2016, 39, 113-122.	1.3	4
20	Tissue composition effect on dose distribution in neutron brachytherapy/neutron capture therapy. Reports of Practical Oncology and Radiotherapy, 2016, 21, 8-16.	0.6	10
21	Evaluation of hypothetical <sup>153</sup> Gd source for use in brachytherapy. Reports of Practical Oncology and Radiotherapy, 2016, 21, 17-24.	0.6	3
22	Effect of photon energy spectrum on dosimetric parameters of brachytherapy sources. Radiology and Oncology, 2016, 50, 238-246.	1.7	3
23	A Monte Carlo study on dose distribution evaluation of Flexisource 192 Ir brachytherapy source. Reports of Practical Oncology and Radiotherapy, 2015, 20, 204-209.	0.6	7
24	Effect of tissue composition on dose distribution in brachytherapy with various photon emitting sources. Journal of Contemporary Brachytherapy, 2014, 1, 54-67.	0.9	15
25	Effect of diameter of nanoparticles and capture cross-section library on macroscopic dose enhancement in boron neutron capture therapy. Journal of Contemporary Brachytherapy, 2014, 4, 377-385.	0.9	3
26	A Monte Carlo evaluation of dose enhancement by cisplatin and titanocene dichloride chemotherapy drugs in brachytherapy with photon emitting sources. Australasian Physical and Engineering Sciences in Medicine, 2014, 37, 327-336.	1.3	3
27	Neutron capture therapy: a comparison between dose enhancement of various agents, nanoparticles and chemotherapy drugs. Australasian Physical and Engineering Sciences in Medicine, 2014, 37, 541-549.	1.3	4
28	A Monte Carlo study on dose distribution validation of GZP6 <sup>60</sup> Co stepping source. Reports of Practical Oncology and Radiotherapy, 2013, 18, 112-116.	0.6	5
29	Dose enhancement by various nanoparticles in prostate brachytherapy. Australasian Physical and Engineering Sciences in Medicine, 2013, 36, 431-440.	1.3	15
30	A Monte Carlo study on electron and neutron contamination caused by the presence of hip prosthesis in photon mode of a 15 MV Siemens PRIMUS linac. Journal of Applied Clinical Medical Physics, 2013, 14, 52-67.	1.9	15
31	Dose distribution verification for GZP6 sources: A comparison of Monte Carlo, radiochromic film, and GZP6 treatment planning system. Archive of Oncology, 2012, 20, 3-7.	0.2	1
32	Dosimetric characterizations of GZP6 <sup>60</sup> Co high dose rate brachytherapy sources: application of superimposition method. Radiology and Oncology, 2012, 46, 170-8.	1.7	7
33	A Monte Carlo study on tissue dose enhancement in brachytherapy: a comparison between gadolinium and gold nanoparticles. Australasian Physical and Engineering Sciences in Medicine, 2012, 35, 177-185.	1.3	40
34	A retrospective analysis of rectal and bladder dose for gynecological brachytherapy treatments with GZP6 HDR afterloading system. Reports of Practical Oncology and Radiotherapy, 2012, 17, 352-357.	0.6	4
35	Application of a color scanner for <sup>60</sup> Co high dose rate brachytherapy dosimetry with ebt radiochromic film. Radiology and Oncology, 2012, 46, 363-9.	1.7	3
36	Air kerma strength characterization of a GZP6 Cobalt-60 brachytherapy source. Reports of Practical Oncology and Radiotherapy, 2010, 15, 190-194.	0.6	14