

# Francisco J Reynoso

## List of Publications by Year in descending order

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32  
papers

651  
citations

758635

12  
h-index

580395

25  
g-index

32  
all docs

32  
docs citations

32  
times ranked

973  
citing authors

#	ARTICLE	IF	CITATIONS
1	Technical Report: Development and Implementation of an Open Source Template Interpretation Class Library for Automated Treatment Planning. Practical Radiation Oncology, 2022, 12, e153-e160.	1.1	3
2	A reconstruction approach for proton computed tomography by modeling the integral depth dose of the scanning proton pencil beam. Medical Physics, 2022, , .	1.6	0
3	Radiation oncology physics coverage during the COVID-19 pandemic: Successes and lessons learned. Journal of Applied Clinical Medical Physics, 2021, 22, 4-7.	0.8	5
4	Application programming interface guided QA plan generation and analysis automation. Journal of Applied Clinical Medical Physics, 2021, 22, 26-34.	0.8	4
5	Spatially fractionated stereotactic body radiation therapy (Lattice) for large tumors. Advances in Radiation Oncology, 2021, 6, 100639.	0.6	21
6	Spread-out Bragg peak proton FLASH irradiation using a clinical synchrocyclotron: Proof of concept and ion chamber characterization. Medical Physics, 2021, 48, 4472-4484.	1.6	36
7	Quantification of gold nanoparticle photon radiosensitization from direct and indirect effects using a complete human genome single cell model based on Geant4. Medical Physics, 2021, , .	1.6	2
8	A novel design of proton computed tomography detected by multiple-layer ionization chamber with strip chambers: A feasibility study with Monte Carlo simulation. Medical Physics, 2020, 47, 614-625.	1.6	3
9	Lateral head flexion as a noncoplanar solution for ring gantry stereotactic radiosurgery. Medical Physics, 2020, 47, 1181-1188.	1.6	1
10	Automated and robust beam data validation of a preconfigured ring gantry linear accelerator using a 1D tank with synchronized beam delivery and couch motions. Journal of Applied Clinical Medical Physics, 2020, 21, 200-207.	0.8	2
11	A Monte Carlo-based analytic model of neutron dose equivalent for a mevion gantry-mounted passively scattered proton system for craniospinal irradiation. Medical Physics, 2020, 47, 4509-4521.	1.6	6
12	Influence of 0.35 T magnetic field on the response of EBT3 and EBT-XD radiochromic films. Medical Physics, 2020, 47, 4543-4552.	1.6	7
13	Sensitivity analysis of Monte Carlo model of a gantry-mounted passively scattered proton system. Journal of Applied Clinical Medical Physics, 2020, 21, 26-37.	0.8	4
14	Intracranial Stereotactic Radiation Therapy With a Jawless Ring Gantry Linear Accelerator Equipped With New Dual Layer Multileaf Collimator. Advances in Radiation Oncology, 2020, 5, 482-489.	0.6	13
15	A Monte Carlo based analytic model of the in-room neutron ambient dose equivalent for a Mevion gantry-mounted passively scattered proton system. Journal of Radiological Protection, 2020, 40, 980-996.	0.6	3
16	Modeling double-strand breaks from direct and indirect action in a complete human genome single cell Geant4 model. Biomedical Physics and Engineering Express, 2020, 6, 065010.	0.6	4
17	Development of computational model for cell dose and DNA damage quantification of multicellular system. International Journal of Radiation Biology, 2019, 95, 1484-1497.	1.0	7
18	Modeling gold nanoparticle radiosensitization using a clustering algorithm to quantitate DNA double-strand breaks with mixed-physics Monte Carlo simulation. Medical Physics, 2019, 46, 5314-5325.	1.6	15

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19	Radiation Therapy Workflow and Dosimetric Analysis from a Phase 1/2 Trial of Noninvasive Cardiac Radioablation for Ventricular Tachycardia. International Journal of Radiation Oncology Biology Physics, 2019, 104, 1114-1123.	0.4	47
20	Standardization and automation of quality assurance for high-dose-rate brachytherapy planning with application programming interface. Brachytherapy, 2019, 18, 108-114.e1.	0.2	10
21	High-sensitivity imaging and quantification of intratumoral distributions of gold nanoparticles using a benchtop x-ray fluorescence imaging system. Optics Letters, 2019, 44, 5314.	1.7	7
22	Technical Note: A benchtop cone-beam x-ray fluorescence computed tomography (XFCT) system with a high-power x-ray source and transmission CT imaging capability. Medical Physics, 2018, 45, 4652-4659.	1.6	20
23	Technical Note: Monte Carlo calculations of the AAPM TG43 brachytherapy dosimetry parameters for a new titanium-encapsulated Yb-169 source. Journal of Applied Clinical Medical Physics, 2017, 18, 193-199.	0.8	11
24	Radiosensitization of Prostate Cancers In Vitro and In Vivo to Erbium-filtered Orthovoltage X-rays Using Actively Targeted Gold Nanoparticles. Scientific Reports, 2017, 7, 18044.	1.6	38
25	Quantitative imaging of gold nanoparticle distribution in a tumor-bearing mouse using benchtop x-ray fluorescence computed tomography. Scientific Reports, 2016, 6, 22079.	1.6	117
26	Technical Note: Magnetic field effects on Gafchromic film response in MRIGRT. Medical Physics, 2016, 43, 6552-6556.	1.6	38
27	Comparison of filtered x-ray spectra and depth doses derived from a hybrid Monte Carlo model of an orthovoltage x-ray unit with experimental measurements. Biomedical Physics and Engineering Express, 2016, 2, 045011.	0.6	5
28	Design of an Yb-169 source optimized for gold nanoparticle-aided radiation therapy. Medical Physics, 2014, 41, 101709.	1.6	11
29	Implementation of a multisource model for gold nanoparticle-mediated plasmonic heating with near-infrared laser by the finite element method. Medical Physics, 2013, 40, 073301.	1.6	15
30	Experimental demonstration of direct shell x-ray fluorescence imaging of gold nanoparticles using a benchtop x-ray source. Medical Physics, 2013, 40, 080702.	1.6	38
31	Experimental demonstration of benchtop x-ray fluorescence computed tomography (XFCT) of gold nanoparticle-loaded objects using lead- and tin-filtered polychromatic cone-beams. Physics in Medicine and Biology, 2012, 57, N457-N467.	1.6	116
32	Monitoring of magnetic targeting to tumor vasculature through MRI and biodistribution. Nanomedicine, 2010, 5, 1173-1182.	1.7	42