

Francisco J Reynoso

List of Publications by Year in descending order

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Version: 2024-02-01

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	Quantitative imaging of gold nanoparticle distribution in a tumor-bearing mouse using benchtop x-ray fluorescence computed tomography. <i>Scientific Reports</i> , 2016, 6, 22079.	1.6	117
2	Experimental demonstration of benchtop x-ray fluorescence computed tomography (XFCT) of gold nanoparticle-loaded objects using lead- and tin-filtered polychromatic cone-beams. <i>Physics in Medicine and Biology</i> , 2012, 57, N457-N467.	1.6	116
3	Radiation Therapy Workflow and Dosimetric Analysis from a Phase 1/2 Trial of Noninvasive Cardiac Radioablation for Ventricular Tachycardia. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 104, 1114-1123.	0.4	47
4	Monitoring of magnetic targeting to tumor vasculature through MRI and biodistribution. <i>Nanomedicine</i> , 2010, 5, 1173-1182.	1.7	42
5	Experimental demonstration of direct <i>in-shell</i> x-ray fluorescence imaging of gold nanoparticles using a benchtop x-ray source. <i>Medical Physics</i> , 2013, 40, 080702.	1.6	38
6	Technical Note: Magnetic field effects on Gafchromic film response in MRIGRT. <i>Medical Physics</i> , 2016, 43, 6552-6556.	1.6	38
7	Radiosensitization of Prostate Cancers In Vitro and In Vivo to Erbium-filtered Orthovoltage X-rays Using Actively Targeted Gold Nanoparticles. <i>Scientific Reports</i> , 2017, 7, 18044.	1.6	38
8	Spread-out Bragg peak proton FLASH irradiation using a clinical synchrocyclotron: Proof of concept and ion chamber characterization. <i>Medical Physics</i> , 2021, 48, 4472-4484.	1.6	36
9	Spatially fractionated stereotactic body radiation therapy (Lattice) for large tumors. <i>Advances in Radiation Oncology</i> , 2021, 6, 100639.	0.6	21
10	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. <i>Medical Physics</i> , 2018, 45, 4652-4659.	1.6	20
11	Implementation of a multisource model for gold nanoparticle-mediated plasmonic heating with near-infrared laser by the finite element method. <i>Medical Physics</i> , 2013, 40, 073301.	1.6	15
12	Modeling gold nanoparticle radiosensitization using a clustering algorithm to quantitate DNA double-strand breaks with mixed-physics Monte Carlo simulation. <i>Medical Physics</i> , 2019, 46, 5314-5325.	1.6	15
13	Intracranial Stereotactic Radiation Therapy With a Jawless Ring Gantry Linear Accelerator Equipped With New Dual Layer Multileaf Collimator. <i>Advances in Radiation Oncology</i> , 2020, 5, 482-489.	0.6	13
14	Design of an Yb-169 source optimized for gold nanoparticle-aided radiation therapy. <i>Medical Physics</i> , 2014, 41, 101709.	1.6	11
15	Technical Note: Monte Carlo calculations of the AAPM TG43 brachytherapy dosimetry parameters for a new titanium-encapsulated Yb-169 source. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 193-199.	0.8	11
16	Standardization and automation of quality assurance for high-dose-rate brachytherapy planning with application programming interface. <i>Brachytherapy</i> , 2019, 18, 108-114.e1.	0.2	10
17	Development of computational model for cell dose and DNA damage quantification of multicellular system. <i>International Journal of Radiation Biology</i> , 2019, 95, 1484-1497.	1.0	7
18	Influence of 0.35 T magnetic field on the response of EBT3 and EBT-XD radiochromic films. <i>Medical Physics</i> , 2020, 47, 4543-4552.	1.6	7

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19	High-sensitivity imaging and quantification of intratumoral distributions of gold nanoparticles using a benchtop x-ray fluorescence imaging system. <i>Optics Letters</i> , 2019, 44, 5314.	1.7	7
20	A Monte Carlo-based analytic model of neutron dose equivalent for a meVion gantry-mounted passively scattered proton system for craniospinal irradiation. <i>Medical Physics</i> , 2020, 47, 4509-4521.	1.6	6
21	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. <i>Biomedical Physics and Engineering Express</i> , 2016, 2, 045011.	0.6	5
22	Radiation oncology physics coverage during the COVID-19 pandemic: Successes and lessons learned. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 4-7.	0.8	5
23	Sensitivity analysis of Monte Carlo model of a gantry-mounted passively scattered proton system. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 26-37.	0.8	4
24	Application programming interface guided QA plan generation and analysis automation. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 26-34.	0.8	4
25	Modeling double-strand breaks from direct and indirect action in a complete human genome single cell Geant4 model. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 065010.	0.6	4
26	A novel design of proton computed tomography detected by multiple-layer ionization chamber with strip chambers: A feasibility study with Monte Carlo simulation. <i>Medical Physics</i> , 2020, 47, 614-625.	1.6	3
27	A Monte Carlo based analytic model of the in-room neutron ambient dose equivalent for a MeVion gantry-mounted passively scattered proton system. <i>Journal of Radiological Protection</i> , 2020, 40, 980-996.	0.6	3
28	Technical Report: Development and Implementation of an Open Source Template Interpretation Class Library for Automated Treatment Planning. <i>Practical Radiation Oncology</i> , 2022, 12, e153-e160.	1.1	3
29	Automated and robust beam data validation of a preconfigured ring gantry linear accelerator using a 1D tank with synchronized beam delivery and couch motions. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 200-207.	0.8	2
30	Quantification of gold nanoparticle photon radiosensitization from direct and indirect effects using a complete human genome single cell model based on Geant4. <i>Medical Physics</i> , 2021, , .	1.6	2
31	Lateral head flexion as a noncoplanar solution for ring gantry stereotactic radiosurgery. <i>Medical Physics</i> , 2020, 47, 1181-1188.	1.6	1
32	A reconstruction approach for proton computed tomography by modeling the integral depth dose of the scanning proton pencil beam. <i>Medical Physics</i> , 2022, , .	1.6	0