

Elizabeth L Covington

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

484
citations

840776

11
h-index

713466

21
g-index

34
all docs

34
docs citations

34
times ranked

642
citing authors

#	ARTICLE	IF	CITATIONS
1	American Association of Physicists in Medicine Task Group 263: Standardizing Nomenclatures in Radiation Oncology. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 100, 1057-1066.	0.8	140
2	Improving treatment plan evaluation with automation. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 16-31.	1.9	55
3	Optical surface guidance for submillimeter monitoring of patient position during frameless stereotactic radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 91-98.	1.9	33
4	SafetyNet: streamlining and automating QA in radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 387-395.	1.9	26
5	Stereotactic radiosurgery with MLC-defined arcs: Verification of dosimetry, spatial accuracy, and end-to-end tests. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 84-98.	1.9	26
6	Characterization of Dense Arrays of Chemiresistor Vapor Sensors with Submicrometer Features and Patterned Nanoparticle Interface Layers. <i>Analytical Chemistry</i> , 2011, 83, 3687-3695.	6.5	24
7	Revisiting fetal dose during radiation therapy: evaluating treatment techniques and a custom shield. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 34-46.	1.9	21
8	The state of gender diversity in medical physics. <i>Medical Physics</i> , 2020, 47, 2038-2043.	3.0	19
9	Transition From Manual to Automated Planning and Delivery of Volumetric Modulated Arc Therapy Stereotactic Radiosurgery: Clinical, Dosimetric, and Quality Assurance Results. <i>Practical Radiation Oncology</i> , 2021, 11, e163-e171.	2.1	18
10	Surface guided imaging during stereotactic radiosurgery with automated delivery. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 90-95.	1.9	17
11	CMOS Monolithic Nanoparticle-Coated Chemiresistor Array for Micro-Scale Gas Chromatography. <i>IEEE Sensors Journal</i> , 2012, 12, 2444-2452.	4.7	15
12	Technical Note: An open source solution for improving TG263 compliance. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 163-165.	1.9	9
13	Accuracy of dose-volume metric calculation for small-volume radiosurgery targets. <i>Medical Physics</i> , 2021, 48, 1461-1468.	3.0	9
14	Assessing the feasibility of single target radiosurgery quality assurance with portal dosimetry. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 135-140.	1.9	8
15	Characterization of room temperature metal microbolometers near the metal-insulator transition regime for scanning thermal microscopy. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	7
16	Improving patient safety and workflow efficiency with standardized pretreatment radiation therapist chart reviews. <i>Practical Radiation Oncology</i> , 2017, 7, 339-345.	2.1	7
17	Evaluation of a two-dimensional diode array for patient-specific quality assurance of HyperArc. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 203-210.	1.9	7
18	Multi-institutional evaluation of end-to-end protocol for IMRT/VMAT treatment chains utilizing conventional linacs. <i>Medical Dosimetry</i> , 2019, 44, 61-66.	0.9	6

#	ARTICLE	IF	CITATIONS
19	Use of a plastic scintillator detector for patient-specific quality assurance of VMAT SRS. Journal of Applied Clinical Medical Physics, 2019, 20, 143-148.	1.9	5
20	A Low-Cost Method to Assess the Performance of Surface Guidance Imaging Systems at Non-Zero Couch Angles. Cureus, 2021, 13, e14278.	0.5	5
21	Analysis of a surface imaging system using a six degree-of-freedom couch. Journal of Applied Clinical Medical Physics, 2022, 23, .	1.9	5
22	Using a whiteboard web application for tracking treatment workflow metrics for dosimetrists and physicians. Medical Dosimetry, 2020, 45, 73-76.	0.9	4
23	Electrical noise in gold nanoparticle chemiresistors. , 2008, , .		3
24	Code Wisely: Risk assessment and mitigation for custom clinical software. Journal of Applied Clinical Medical Physics, 2021, 22, 273-279.	1.9	3
25	Adaptable chip-level microfluidic packaging for a micro-scale gas chromatograph. , 2012, , .		2
26	Hot-spot detection and calibration of a scanning thermal probe with a noise thermometry gold wire sample. Journal of Applied Physics, 2013, 113, 074304.	2.5	2
27	Technical Note: Use of automation to eliminate shift errors. Journal of Applied Clinical Medical Physics, 2020, 21, 192-195.	1.9	2
28	Interprofessional Image Verification Workshop for Physician and Physics Residents: A Multi-Institutional Experience. International Journal of Radiation Oncology Biology Physics, 2021, 111, 1058-1065.	0.8	2
29	Application-Specific Micro Gas Chromatographs. ECS Transactions, 2009, 19, 315-325.	0.5	1
30	A Holographic Augmented Reality Guidance System for Patient Alignment: A Feasibility Study. Cureus, 2021, 13, e14695.	0.5	1
31	Single-Isocenter, Multiple Metastasis Treatment Planning. , 2020, , 249-280.		1
32	CMOS monolithic chemiresistor array with microfluidic channel for micro gas chromatograph. , 2012, , .		0
33	Incorporating Treatment Time into Butterfly Optimization to Reduce Total Treatment Time for Vaginal Cylinder Brachytherapy. Cureus, 2022, 14, e23893.	0.5	0