

# Ernest K Osei

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

470  
citations

1039406

9  
h-index

713013

21  
g-index

45  
all docs

45  
docs citations

45  
times ranked

594  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer nanocomposite-based shielding against diagnostic X-rays. <i>Journal of Applied Polymer Science</i> , 2013, 127, 4939-4946.	1.3	135
2	Synthesis of curcumin-functionalized gold nanoparticles and cytotoxicity studies in human prostate cancer cell line. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 347-357.	1.6	44
3	Interactions of platelets with circulating tumor cells contribute to cancer metastasis. <i>Scientific Reports</i> , 2021, 11, 15477.	1.6	41
4	Biodistribution and Physiologically-Based Pharmacokinetic Modeling of Gold Nanoparticles in Mice with Interspecies Extrapolation. <i>Pharmaceutics</i> , 2019, 11, 179.	2.0	35
5	A Survey of Organ Equivalent and Effective Doses from Diagnostic Radiology Procedures. <i>ISRN Radiology</i> , 2013, 2013, 1-9.	1.2	35
6	Bismuth Sulfide Nanoflowers for Detection of X-rays in the Mammographic Energy Range. <i>Scientific Reports</i> , 2015, 5, 9440.	1.6	32
7	Bismuth oxide-based nanocomposite for high-energy electron radiation shielding. <i>Journal of Materials Science</i> , 2019, 54, 3023-3034.	1.7	24
8	Occupational Health and Safety Measures in Healthcare Settings during COVID-19: Strategies for Protecting Staff, Patients and Visitors. <i>Disaster Medicine and Public Health Preparedness</i> , 2023, 17, 1-9.	0.7	14
9	Foetal Radiation Dose and Risk from Diagnostic Radiology Procedures: A Multinational Study. <i>ISRN Radiology</i> , 2013, 2013, 1-7.	1.2	12
10	Software for the estimation of organ equivalent and effective doses from diagnostic radiology procedures. <i>Journal of Radiological Protection</i> , 2009, 29, 361-376.	0.6	9
11	The sensitivity of gamma index analysis to detect multileaf collimator (MLC) positioning errors using Varian TrueBeam EPID and ArcCHECK for patient-specific prostate volumetric-modulated arc therapy (VMAT) quality assurance. <i>Journal of Radiotherapy in Practice</i> , 2018, 17, 66-77.	0.2	9
12	Dosimetric evaluation of whole-breast radiation therapy: Clinical experience. <i>Medical Dosimetry</i> , 2015, 40, 355-365.	0.4	8
13	Evaluating small field dosimetry with the Acuros XB (AXB) and analytical anisotropic algorithm (AAA) dose calculation algorithms in the eclipse treatment planning system. <i>Journal of Radiotherapy in Practice</i> , 2019, 18, 353-364.	0.2	7
14	A review of ultrasound-mediated microbubbles technology for cancer therapy: a vehicle for chemotherapeutic drug delivery. <i>Journal of Radiotherapy in Practice</i> , 2020, 19, 291-298.	0.2	7
15	A review of predictive, prognostic and diagnostic biomarkers for brain tumours: towards personalised and targeted cancer therapy. <i>Journal of Radiotherapy in Practice</i> , 2021, 20, 83-98.	0.2	7
16	A review of radiation genomics: integrating patient radiation response with genomics for personalised and targeted radiation therapy. <i>Journal of Radiotherapy in Practice</i> , 2019, 18, 198-209.	0.2	6
17	ASSESSMENT OF OCCUPATIONAL RADIATION DOSES OF MEDICAL RADIATION WORKERS IN TWO COMMUNITY HOSPITALS. <i>Radiation Protection Dosimetry</i> , 2020, 192, 41-55.	0.4	6
18	Retrospective analysis of portal dosimetry pre-treatment quality assurance of prostate volumetric-modulated arc therapy (VMAT) plans. <i>Journal of Radiotherapy in Practice</i> , 2018, 17, 44-52.	0.2	5

#	ARTICLE	IF	CITATIONS
19	A review of applications of principles of quantum physics in oncology: do quantum physics principles have any role in oncology research and applications?. Journal of Radiotherapy in Practice, 2019, 18, 383-394.	0.2	5
20	Supporting cancer patients quit smoking: the initial evaluation of our tobacco cessation intervention program. Journal of Radiotherapy in Practice, 2020, 19, 163-172.	0.2	5
21	Retrospective dosimetric evaluation of VMAT plans for prostate cancer treatment. Journal of Radiotherapy in Practice, 2019, 18, 155-164.	0.2	4
22	A review of the effects of tobacco smoking on cancer treatment: smoking cessation intervention should be integrated into the cancer care continuum. Journal of Radiotherapy in Practice, 2020, 19, 84-92.	0.2	4
23	A review of predictive, prognostic and diagnostic biomarkers for non-small-cell lung cancer: towards personalised and targeted cancer therapy. Journal of Radiotherapy in Practice, 2020, 19, 370-384.	0.2	3
24	Retrospective analysis of portal dosimetry pre-treatment quality assurance of hybrid IMRT breast treatment plans. Journal of Radiotherapy in Practice, 2021, 20, 22-29.	0.2	3
25	Impact of COVID-19 pandemic on the oncologic care continuum: urgent need to restore patients care to pre-COVID-19 era. Journal of Radiotherapy in Practice, 2023, 22, .	0.2	3
26	Retrospective analysis of portal dosimetry pre-treatment quality assurance of intracranial SRS/SRT VMAT treatment plans. Journal of Radiotherapy in Practice, 2022, 21, 540-552.	0.2	2
27	Dosimetric evaluation of 3 and/or 4 field radiation therapy of breast cancers: clinical experience. Journal of Radiotherapy in Practice, 2021, 20, 380-394.	0.2	1
28	Review of clinical and emerging biomarkers for early diagnosis and treatment management of pancreatic cancer: towards personalised medicine. Journal of Radiotherapy in Practice, 2022, 21, 421-433.	0.2	1
29	One layer at a time: the use of 3D printing in the fabrication of cadmium-free electron field shaping devices. Journal of Radiotherapy in Practice, 2022, 21, 222-227.	0.2	1
30	A review of current clinical biomarkers for prostate cancer: towards personalised and targeted therapy. Journal of Radiotherapy in Practice, 2022, 21, 277-286.	0.2	1
31	Dosimetric evaluation of SBRT treatment plans of non-central lung tumours: clinical experience. Journal of Radiotherapy in Practice, 2022, 21, 179-199.	0.2	1
32	Preclinical studies for implementing flattening filter-free beams in hypofractionated volumetric-modulated arc therapy (VMAT) for prostate cancer radiotherapy. Journal of Radiotherapy in Practice, 2017, 16, 286-302.	0.2	0
33	Photon beam attenuation characteristics of three commercial radiation therapy treatment couch-tops. Journal of Radiotherapy in Practice, 2018, 17, 377-383.	0.2	0
34	A review of clinical and emerging biomarkers for breast cancers: towards precision medicine for patients. Journal of Radiotherapy in Practice, 2020, , 1-14.	0.2	0
35	A review of radiation induced abscopal effect: combining radiotherapy and immunotherapy to treat the untreated distant metastatic tumours. Journal of Radiotherapy in Practice, 2020, , 1-8.	0.2	0
36	A review of the effects of tobacco smoking on the treatment of prostate cancer. Journal of Radiotherapy in Practice, 2022, 21, 109-116.	0.2	0

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37	Dosimetric evaluation of whole-pelvis radiation therapy of prostate cancers: clinical experience. Journal of Radiotherapy in Practice, 2021, 20, 433-447.	0.2	0
38	Liquid biomarkers for the management of paediatric neuroblastoma: an approach to personalised and targeted cancer therapy. Journal of Radiotherapy in Practice, 2021, 20, 217-229.	0.2	0
39	Review of novel tissue-based biomarkers for prostate cancer: towards personalised and targeted medicine. Journal of Radiotherapy in Practice, 0, , 1-10.	0.2	0
40	Review of novel liquid-based biomarkers for prostate cancer: towards personalised and targeted medicine. Journal of Radiotherapy in Practice, 0, , 1-9.	0.2	0
41	Poster - Thur Eve - 43: Monte Carlo Modeling of Flattening Filter Free Beams and Studies of Relative Output Factors. Medical Physics, 2014, 41, 16-16.	1.6	0
42	Poster - Thur Eve - 47: Monte Carlo Simulation of Scp, Sc and Sp. Medical Physics, 2014, 41, 16-17.	1.6	0
43	Poster - Thur Eve - 31: Dosimetric Effect of Respiratory Motion on RapidArc Lung SBRT Treatment Delivered by TrueBeam Linear Accelerator. Medical Physics, 2014, 41, 13-13.	1.6	0
44	Poster - Thur Eve - 63: Prostate IMRT: Product-Mixture model of a two-dimensional probability density function integrating the variability of the motion of the rectum and the rectal wall thickness. Medical Physics, 2014, 41, 19-20.	1.6	0
45	Sci-Sat AM: Stereo - 06: Dosimetric Comparison of 3D Conformai, Flattened and Flattening Filter-Free TrueBeam RapidArc Planning for Lung SBRT. Medical Physics, 2014, 41, 29-29.	1.6	0