

# Ernest K Osei

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

470  
citations

1040056

9  
h-index

713466

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. Journal of Applied Polymer Science, 2013, 127, 4939-4946.	2.6	135
2	Synthesis of curcumin-functionalized gold nanoparticles and cytotoxicity studies in human prostate cancer cell line. Applied Nanoscience (Switzerland), 2018, 8, 347-357.	3.1	44
3	Interactions of platelets with circulating tumor cells contribute to cancer metastasis. Scientific Reports, 2021, 11, 15477.	3.3	41
4	Biodistribution and Physiologically-Based Pharmacokinetic Modeling of Gold Nanoparticles in Mice with Interspecies Extrapolation. Pharmaceutics, 2019, 11, 179.	4.5	35
5	A Survey of Organ Equivalent and Effective Doses from Diagnostic Radiology Procedures. ISRN Radiology, 2013, 2013, 1-9.	1.2	35
6	Bismuth Sulfide Nanoflowers for Detection of X-rays in the Mammographic Energy Range. Scientific Reports, 2015, 5, 9440.	3.3	32
7	Bismuth oxide-based nanocomposite for high-energy electron radiation shielding. Journal of Materials Science, 2019, 54, 3023-3034.	3.7	24
8	Occupational Health and Safety Measures in Healthcare Settings during COVID-19: Strategies for Protecting Staff, Patients and Visitors. Disaster Medicine and Public Health Preparedness, 2023, 17, 1-9.	1.3	14
9	Foetal Radiation Dose and Risk from Diagnostic Radiology Procedures: A Multinational Study. ISRN Radiology, 2013, 2013, 1-7.	1.2	12
10	Software for the estimation of organ equivalent and effective doses from diagnostic radiology procedures. Journal of Radiological Protection, 2009, 29, 361-376.	1.1	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. Journal of Radiotherapy in Practice, 2018, 17, 66-77.	0.5	9
12	Dosimetric evaluation of whole-breast radiation therapy: Clinical experience. Medical Dosimetry, 2015, 40, 355-365.	0.9	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. Journal of Radiotherapy in Practice, 2019, 18, 353-364.	0.5	7
14	A review of ultrasound-mediated microbubbles technology for cancer therapy: a vehicle for chemotherapeutic drug delivery. Journal of Radiotherapy in Practice, 2020, 19, 291-298.	0.5	7
15	A review of predictive, prognostic and diagnostic biomarkers for brain tumours: towards personalised and targeted cancer therapy. Journal of Radiotherapy in Practice, 2021, 20, 83-98.	0.5	7
16	A review of radiation genomics: integrating patient radiation response with genomics for personalised and targeted radiation therapy. Journal of Radiotherapy in Practice, 2019, 18, 198-209.	0.5	6
17	ASSESSMENT OF OCCUPATIONAL RADIATION DOSES OF MEDICAL RADIATION WORKERS IN TWO COMMUNITY HOSPITALS. Radiation Protection Dosimetry, 2020, 192, 41-55.	0.8	6
18	Retrospective analysis of portal dosimetry pre-treatment quality assurance of prostate volumetric-modulated arc therapy (VMAT) plans. Journal of Radiotherapy in Practice, 2018, 17, 44-52.	0.5	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.	0.5	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.	0.5	5
21	Retrospective dosimetric evaluation of VMAT plans for prostate cancer treatment. Journal of Radiotherapy in Practice, 2019, 18, 155-164.	0.5	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.	0.5	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.	0.5	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.	0.5	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, .	0.5	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.	0.5	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.	0.5	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.	0.5	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.	0.5	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.	0.5	1
31	Dosimetric evaluation of SBRT treatment plans of non-central lung tumours: clinical experience. Journal of Radiotherapy in Practice, 2022, 21, 179-199.	0.5	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.	0.5	0
33	Photon beam attenuation characteristics of three commercial radiation therapy treatment couch-tops. Journal of Radiotherapy in Practice, 2018, 17, 377-383.	0.5	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.	0.5	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.	0.5	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.	0.5	0

#	ARTICLE	IF	CITATIONS
37	Dosimetric evaluation of whole-pelvis radiation therapy of prostate cancers: clinical experience. Journal of Radiotherapy in Practice, 2021, 20, 433-447.	0.5	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.	0.5	0
39	Review of novel tissue-based biomarkers for prostate cancer: towards personalised and targeted medicine. Journal of Radiotherapy in Practice, 0, , 1-10.	0.5	0
40	Review of novel liquid-based biomarkers for prostate cancer: towards personalised and targeted medicine. Journal of Radiotherapy in Practice, 0, , 1-9.	0.5	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.	3.0	0
42	Poster - Thur Eve - 47: Monte Carlo Simulation of Scp, Sc and Sp. Medical Physics, 2014, 41, 16-17.	3.0	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.	3.0	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.	3.0	0
45	Sci-Sat AM: Stereo - 06: Dosimetric Comparison of 3D Conformal, Flattened and Flattening Filter-Free TrueBeam RapidArc Planning for Lung SBRT. Medical Physics, 2014, 41, 29-29.	3.0	0