

Dong Wook Kim

List of Publications by Year in descending order

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docs citations

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times ranked

1623
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of radiation safety management status of medical linear accelerator facilities in Korea. Nuclear Engineering and Technology, 2022, 54, 449-455.	2.3	2
2	Current status of disposal and measurement analysis of radioactive components in linear accelerators in Korea. Nuclear Engineering and Technology, 2022, 54, 507-513.	2.3	7
3	Feasibility of a 64-Channel Scintillation Fiber System for Real-Time Monitoring of Dwell Positions and Dwell Times of High-Dose-Rate Brachytherapy Sources. IEEE Access, 2022, 10, 730-740.	4.2	0
4	A pilot study of a novel method to visualize three-dimensional dose distribution on skin surface images to evaluate radiation dermatitis. Scientific Reports, 2022, 12, 2729.	3.3	3
5	Dosimetric outcomes of preoperative treatment planning with intraoperative optimization using stranded seeds in prostate brachytherapy. PLoS ONE, 2022, 17, e0265143.	2.5	0
6	Monitoring beam-quality constancy considering uncertainties associated with ionization chambers in Daily QA3 device. PLoS ONE, 2021, 16, e0246845.	2.5	0
7	TomoEQA: Dose verification for patient-specific quality assurance in helical tomotherapy using an exit detector. Physica Medica, 2021, 82, 1-6.	0.7	7
8	Development and Performance Evaluation of Wearable Respiratory Self-Training System Using Patch Type Magnetic Sensor. Frontiers in Oncology, 2021, 11, 680147.	2.8	1
9	Efficacy of 0.4µg tamsulosin monotherapy in patients with moderate-to-severe lower urinary tract symptoms. SAGE Open Medicine, 2021, 9, 205031212110473.	1.8	0
10	Integration of rotatable tandem applicator to conventional ovoid applicator toward complete framework of intensity modulated brachytherapy (IMBT) for cervical cancer. Physica Medica, 2021, 91, 131-139.	0.7	1
11	Measurements of Neutron Activation and Dose Rate Induced by High-Energy Medical Linear Accelerator. Progress in Medical Physics, 2021, 32, 145-152.	0.3	3
12	Status of Domestic and International Recommendations for Protection Design and Evaluation of Medical Linear Accelerator Facilities. Progress in Medical Physics, 2021, 32, 83-91.	0.3	0
13	Commissioning and clinical implementation of Mobius3D and MobiusFX: Experience on multiple linear accelerators. Physica Medica, 2020, 80, 1-9.	0.7	4
14	Assessment of dosimetric leaf gap correction factor in Mobius3D commissioning affected by couch top. Physical and Engineering Sciences in Medicine, 2020, 43, 1069-1075.	2.4	2
15	A Retrospective Dosimetric Analysis of the New ESTRO-ACROP Target Volume Delineation Guidelines for Postmastectomy Volumetric Modulated Arc Therapy After Implant-Based Immediate Breast Reconstruction. Frontiers in Oncology, 2020, 10, 578921.	2.8	10
16	Statistical Analysis of Treatment Planning Parameters for Prediction of Delivery Quality Assurance Failure for Helical Tomotherapy. Technology in Cancer Research and Treatment, 2020, 19, 153303382097969.	1.9	1
17	Detailed evaluation of Mobius3D dose calculation accuracy for volumetric-modulated arc therapy. Physica Medica, 2020, 74, 125-132.	0.7	17
18	Dosimetric Comparison of Four Commercial Patient-Specific Quality Assurance Devices for Helical Tomotherapy. Journal of the Korean Physical Society, 2020, 76, 257-263.	0.7	3

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19	TomoMQA: Automated analysis program for MVCT quality assurance of helical tomotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 151-157.	1.9	1
20	Trend Analysis on Korean and International Management for Activated Material Waste from Medical Linear Accelerator. <i>Progress in Medical Physics</i> , 2020, 31, 194-204.	0.3	6
21	Sensitivity of radio-photoluminescence glass dosimeters to accumulated doses. <i>PLoS ONE</i> , 2020, 15, e0234829.	2.5	0
22	History of the Photon Beam Dose Calculation Algorithm in Radiation Treatment Planning System. <i>Progress in Medical Physics</i> , 2020, 31, 54-62.	0.3	4
23	Incidence of Capillary Leak Syndrome as an Adverse Effect of Drugs in Cancer Patients: A Systematic Review and Meta-Analysis. <i>Journal of Clinical Medicine</i> , 2019, 8, 143.	2.4	40
24	Dosimetric Comparisons of Intensity-Modulated Radiotherapy, Volumetric Modulated Arc Therapy, Tomotherapy, Stereotactic Radiosurgery, and Proton Therapy for Treatment of Patients with a Vestibular Schwannoma. <i>Journal of the Korean Physical Society</i> , 2019, 74, 389-398.	0.7	2
25	A preliminary study on a real-time dose monitoring system based on scintillating fibers for brachytherapy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 929, 50-56.	1.6	4
26	In-Vivo Dosimetry for Small Animal Irradiation: A Preliminary Study. <i>Journal of the Korean Physical Society</i> , 2019, 74, 399-404.	0.7	2
27	Radiotherapy Risk Estimation Based on Expert Group Survey. <i>Frontiers in Physics</i> , 2019, 7, .	2.1	1
28	Feasibility of hybrid TomoHelical- and TomoDirect-based volumetric gradient matching technique for total body irradiation. <i>Radiation Oncology</i> , 2019, 14, 233.	2.7	7
29	Guideline on Acceptance Test and Commissioning of High-Precision External Radiation Therapy Equipment. <i>Progress in Medical Physics</i> , 2018, 29, 123.	0.3	1
30	Feasibility Assessment of Physical Factors of Rectal Cancer Short-Course Chemoradiotherapy with Delayed Surgery. <i>Progress in Medical Physics</i> , 2018, 29, 143.	0.3	0
31	Systemic Capillary Leak Syndrome (Clarkson Syndrome) in Cancer Patients: A Systematic Review. <i>Journal of Clinical Medicine</i> , 2018, 7, 418.	2.4	18
32	Clinical Implementation of an In vivo Dose Verification System Based on a Transit Dose Calculation Tool for 3D-CRT. <i>Journal of the Korean Physical Society</i> , 2018, 73, 1571-1576.	0.7	0
33	Applicability of Glass Dosimeters for In-vivo Dosimetry in Brachytherapy. <i>Journal of the Korean Physical Society</i> , 2018, 72, 1320-1325.	0.7	0
34	Kilovoltage radiotherapy for companion animals: dosimetric comparison of 300 kV, 450 kV, and 6 MV X-ray beams. <i>Journal of Veterinary Science</i> , 2018, 19, 550.	1.3	5
35	The Propionyl Ester of Lovastatin Decreases the Levels of Very Long Chain Fatty Acids in Fibroblasts Derived from Patients with X-linked Adrenoleukodystrophy. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 1023-1024.	1.9	0
36	Design and Evaluation of a MEMS Magnetic Field Sensor-Based Respiratory Monitoring and Training System for Radiotherapy. <i>Sensors</i> , 2018, 18, 2742.	3.8	15

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37	Visceral fat thickness and its associations with pubertal and metabolic parameters among girls with precocious puberty. <i>Annals of Pediatric Endocrinology and Metabolism</i> , 2018, 23, 81-87.	2.3	1
38	Dosimetric comparison of four different external beams for breast irradiation. <i>Journal of the Korean Physical Society</i> , 2017, 70, 300-307.	0.7	1
39	Estimation of the risk of secondary malignancies following intraoral electron radiotherapy for tongue cancer patients. <i>Journal of Radiotherapy in Practice</i> , 2017, 16, 46-52.	0.5	0
40	Development of a patient dose verification method that uses the transit dose measured with a glass dosimeter. <i>Journal of the Korean Physical Society</i> , 2017, 70, 948-955.	0.7	2
41	Evaluation of the MEMS based portable respiratory training system with a tactile sensor for respiratory-gated radiotherapy. <i>Journal of the Korean Physical Society</i> , 2017, 71, 452-458.	0.7	0
42	Preoperative short- vs. long-course chemoradiotherapy with delayed surgery for locally advanced rectal cancer. <i>Oncotarget</i> , 2017, 8, 60479-60486.	1.8	17
43	Proposal on Guideline for Quality Assurance of Radiation Treatment Planning System. <i>Progress in Medical Physics</i> , 2017, 28, 197.	0.3	3
44	Radiotherapy for gastric mucosa-associated lymphoid tissue lymphoma: dosimetric comparison and risk assessment of solid secondary cancer. <i>Radiation Oncology Journal</i> , 2017, 35, 78-89.	1.5	8
45	Impact of Respiratory Motion on Breast Cancer Intensity-modulated Radiation Therapy. <i>Progress in Medical Physics</i> , 2016, 27, 93.	0.4	0
46	Estimation of the risk of secondary malignancy arising from whole-breast irradiation: comparison of five radiotherapy modalities, including TomoHDA. <i>Oncotarget</i> , 2016, 7, 22960-22969.	1.8	28
47	Comparative Analysis of Terminology and Classification Related to Risk Management of Radiotherapy. <i>Progress in Medical Physics</i> , 2016, 27, 131.	0.4	3
48	A Study of Institutional Status of Risk Management for Radiotherapy in Foreign Country. <i>Progress in Medical Physics</i> , 2016, 27, 139.	0.4	1
49	Feasibility Study of Source Position Verification in HDR Brachytherapy Using Scintillating Fiber. <i>Progress in Medical Physics</i> , 2016, 27, 213.	0.4	5
50	Feasibility study of patient-specific quality assurance system for high-dose-rate brachytherapy in patients with cervical cancer. <i>Journal of the Korean Physical Society</i> , 2016, 68, 1029-1036.	0.7	0
51	Incremental Prognostic Value of ADC Histogram Analysis over MGMT Promoter Methylation Status in Patients with Glioblastoma. <i>Radiology</i> , 2016, 281, 175-184.	7.3	51
52	Comparison of the extent of hippocampal sparing according to the tilt of a patient's head during WBRT using linear accelerator-based IMRT and VMAT. <i>Physica Medica</i> , 2016, 32, 657-663.	0.7	10
53	A Lymph Node Staging System for Gastric Cancer: A Hybrid Type Based on Topographic and Numeric Systems. <i>PLoS ONE</i> , 2016, 11, e0149555.	2.5	24
54	Preliminary study of the dosimetric characteristics of 3D-printed materials with megavoltage photons. <i>Journal of the Korean Physical Society</i> , 2015, 67, 189-194.	0.7	6

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55	Suggestion for Comprehensive Quality Assurance of Medical Linear Accelerator in Korea. Progress in Medical Physics, 2015, 26, 294.	0.4	5
56	Examination of a micro-electro-mechanical system based on a portable respiratory monitoring system. Journal of the Korean Physical Society, 2015, 67, 752-756.	0.7	2
57	Comparison of Dosimetric Parameters of Patient with Large and Pendulous Breast Receiving Breast Radiotherapy in the Prone versus Supine Position. Progress in Medical Physics, 2015, 26, 234.	0.4	2
58	Short-Term Outcomes of Laparoscopic Total Gastrectomy Performed by a Single Surgeon Experienced in Open Gastrectomy: Review of Initial Experience. Journal of Gastric Cancer, 2015, 15, 159.	2.5	18
59	Retrospective estimate of the quality of intensity-modulated radiotherapy plans for lung cancer. Journal of the Korean Physical Society, 2015, 67, 136-141.	0.7	2
60	Meaning of ureter dilatation during ultrasonography in infants for evaluating vesicoureteral reflux. European Journal of Radiology, 2015, 84, 307-311.	2.6	9
61	A Novel Mathematical Model to Predict the Severity of Postoperative Functional Reduction before Partial Nephrectomy: The Importance of Calculating Resected and Ischemic Volume. Journal of Urology, 2015, 193, 423-429.	0.4	25
62	Do All Patients Require Prophylactic Drainage After Gastrectomy for Gastric Cancer? The Experience of a High-Volume Center. Annals of Surgical Oncology, 2015, 22, 3929-3937.	1.5	20
63	Single Hepatocellular Carcinoma: Preoperative MR Imaging to Predict Early Recurrence after Curative Resection. Radiology, 2015, 276, 433-443.	7.3	154
64	Feasibility Study for Development of Transit Dosimetry Based Patient Dose Verification System Using the Glass Dosimeter. Progress in Medical Physics, 2015, 26, 241.	0.4	0
65	The Relationship between BMI and Glycated Albumin to Glycated Hemoglobin (GA/A1c) Ratio According to Glucose Tolerance Status. PLoS ONE, 2014, 9, e89478.	2.5	29
66	Optimal Proteinuria Target for Renoprotection in Patients with IgA Nephropathy. PLoS ONE, 2014, 9, e101935.	2.5	21
67	Radiotherapy Incidents Analysis Based on ROSIS: Tendency and Frequency. Progress in Medical Physics, 2014, 25, 298.	0.4	1
68	Subchronic oral toxicity of herbal formula PM012 in Beagle dogs. Molecular and Cellular Toxicology, 2014, 10, 329-337.	1.7	0
69	Estimate of the shielding effect on secondary cancer risk due to cone-beam CT in image-guided radiotherapy. Journal of the Korean Physical Society, 2014, 65, 757-762.	0.7	1
70	Risk of a second cancer from scattered radiation in acoustic neuroma treatment. Journal of the Korean Physical Society, 2014, 64, 1919-1927.	0.7	3
71	Clinical safety of endoscopic submucosal dissection compared with surgery in elderly patients with early gastric cancer: a propensity-matched analysis. Gastrointestinal Endoscopy, 2014, 80, 599-609.	1.0	86
72	Secondary neutron dose measurement for proton eye treatment using an eye snout with a borated neutron absorber. Radiation Oncology, 2013, 8, 182.	2.7	11

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73	Risk of second cancer from scattered radiation of intensity-modulated radiotherapies with lung cancer. <i>Radiation Oncology</i> , 2013, 8, 47.	2.7	20
74	Estimate of the secondary cancer risk from megavoltage CT in tomotherapy. <i>Journal of the Korean Physical Society</i> , 2013, 62, 1199-1203.	0.7	3
75	Characteristic study of a radio-photoluminescence glass rod detector for clinical usages: Skin and inner body in-vivo verification. <i>Journal of the Korean Physical Society</i> , 2013, 62, 670-676.	0.7	10
76	Nucleophilic substitution reactions promoted by oligoethylene glycols: a mechanistic study of ion-pair S _N 2 processes facilitated by Lewis base. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 9-14.	1.9	11
77	Imaging Doses and Secondary Cancer Risk From Kilovoltage Cone-beam CT in Radiation Therapy. <i>Health Physics</i> , 2013, 104, 499-503.	0.5	39
78	Study of the Respiratory Monitoring System by Using the MEMS Acceleration Sensor. <i>Progress in Medical Physics</i> , 2013, 24, 61.	0.4	2
79	Evaluation of the Accuracy for Respiratory-gated RapidArc. <i>Progress in Medical Physics</i> , 2013, 24, 127.	0.4	2
80	Estimation of Secondary Scattered Dose from Intensity-modulated Radiotherapy for Liver Cancer Cases. <i>Progress in Medical Physics</i> , 2013, 24, 295.	0.4	3
81	Dose response of commercially available optically stimulated luminescent detector, AL2O3:C for megavoltage photons and electrons. <i>Radiation Protection Dosimetry</i> , 2012, 149, 101-108.	0.8	30
82	Efficient Induction of Dopaminergic Neurons from Embryonic Stem Cells for Application to Parkinson's Disease. <i>Yonsei Medical Journal</i> , 2004, 45, S23.	2.2	17