

Dong Wook Kim

List of Publications by Year in descending order

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papers

854
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516710

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526287

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86
times ranked

1623
citing authors

#	ARTICLE	IF	CITATIONS
1	Single Hepatocellular Carcinoma: Preoperative MR Imaging to Predict Early Recurrence after Curative Resection. <i>Radiology</i> , 2015, 276, 433-443.	7.3	154
2	Clinical safety of endoscopic submucosal dissection compared with surgery in elderly patients with early gastric cancer: a propensity-matched analysis. <i>Gastrointestinal Endoscopy</i> , 2014, 80, 599-609.	1.0	86
3	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
4	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
5	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
6	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
7	The Relationship between BMI and Glycated Albumin to Glycated Hemoglobin (GA/A1c) Ratio According to Glucose Tolerance Status. <i>PLoS ONE</i> , 2014, 9, e89478.	2.5	29
8	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
9	A Novel Mathematical Model to Predict the Severity of Postoperative Functional Reduction before Partial Nephrectomy: The Importance of Calculating Resected and Ischemic Volume. <i>Journal of Urology</i> , 2015, 193, 423-429.	0.4	25
10	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
11	Optimal Proteinuria Target for Renoprotection in Patients with IgA Nephropathy. <i>PLoS ONE</i> , 2014, 9, e101935.	2.5	21
12	Risk of second cancer from scattered radiation of intensity-modulated radiotherapies with lung cancer. <i>Radiation Oncology</i> , 2013, 8, 47.	2.7	20
13	Do All Patients Require Prophylactic Drainage After Gastrectomy for Gastric Cancer? The Experience of a High-Volume Center. <i>Annals of Surgical Oncology</i> , 2015, 22, 3929-3937.	1.5	20
14	Short-Term Outcomes of Laparoscopic Total Gastrectomy Performed by a Single Surgeon Experienced in Open Gastrectomy: Review of Initial Experience. <i>Journal of Gastric Cancer</i> , 2015, 15, 159.	2.5	18
15	Systemic Capillary Leak Syndrome (Clarkson Syndrome) in Cancer Patients: A Systematic Review. <i>Journal of Clinical Medicine</i> , 2018, 7, 418.	2.4	18
16	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
17	Preoperative short- vs. long-course chemoradiotherapy with delayed surgery for locally advanced rectal cancer. <i>Oncotarget</i> , 2017, 8, 60479-60486.	1.8	17
18	Detailed evaluation of Mobius3D dose calculation accuracy for volumetric-modulated arc therapy. <i>Physica Medica</i> , 2020, 74, 125-132.	0.7	17

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19	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
20	Secondary neutron dose measurement for proton eye treatment using an eye snout with a borated neutron absorber. <i>Radiation Oncology</i> , 2013, 8, 182.	2.7	11
21	Nucleophilic substitution reactions promoted by oligoethylene glycols: a mechanistic study of ion-pair S_N2 processes facilitated by Lewis base. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 9-14.	1.9	11
22	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
23	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
24	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. <i>Frontiers in Oncology</i> , 2020, 10, 578921.	2.8	10
25	Meaning of ureter dilatation during ultrasonography in infants for evaluating vesicoureteral reflux. <i>European Journal of Radiology</i> , 2015, 84, 307-311.	2.6	9
26	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
27	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
28	TomoEQA: Dose verification for patient-specific quality assurance in helical tomotherapy using an exit detector. <i>Physica Medica</i> , 2021, 82, 1-6.	0.7	7
29	Current status of disposal and measurement analysis of radioactive components in linear accelerators in Korea. <i>Nuclear Engineering and Technology</i> , 2022, 54, 507-513.	2.3	7
30	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
31	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
32	Suggestion for Comprehensive Quality Assurance of Medical Linear Accelerator in Korea. <i>Progress in Medical Physics</i> , 2015, 26, 294.	0.4	5
33	Feasibility Study of Source Position Verification in HDR Brachytherapy Using Scintillating Fiber. <i>Progress in Medical Physics</i> , 2016, 27, 213.	0.4	5
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	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
36	Commissioning and clinical implementation of Mobius3D and MobiusFX: Experience on multiple linear accelerators. <i>Physica Medica</i> , 2020, 80, 1-9.	0.7	4

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37	History of the Photon Beam Dose Calculation Algorithm in Radiation Treatment Planning System. Progress in Medical Physics, 2020, 31, 54-62.	0.3	4
38	Estimate of the secondary cancer risk from megavoltage CT in tomotherapy. Journal of the Korean Physical Society, 2013, 62, 1199-1203.	0.7	3
39	Estimation of Secondary Scattered Dose from Intensity-modulated Radiotherapy for Liver Cancer Cases. Progress in Medical Physics, 2013, 24, 295.	0.4	3
40	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
41	Comparative Analysis of Terminology and Classification Related to Risk Management of Radiotherapy. Progress in Medical Physics, 2016, 27, 131.	0.4	3
42	Proposal on Guideline for Quality Assurance of Radiation Treatment Planning System. Progress in Medical Physics, 2017, 28, 197.	0.3	3
43	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
44	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
45	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
46	Study of the Respiratory Monitoring System by Using the MEMS Acceleration Sensor. Progress in Medical Physics, 2013, 24, 61.	0.4	2
47	Evaluation of the Accuracy for Respiratory-gated RapidArc. Progress in Medical Physics, 2013, 24, 127.	0.4	2
48	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
49	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
50	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
51	Development of a patient dose verification method that uses the transit dose measured with a glass dosimeter. Journal of the Korean Physical Society, 2017, 70, 948-955.	0.7	2
52	Dosimetric Comparisons of Intensity-Modulated Radiotherapy, Volumetric Modulated Arc Therapy, Tomotherapy, Stereotactic Radiosurgery, and Proton Therapy for Treatment of Patients with a Vestibular Schwannoma. Journal of the Korean Physical Society, 2019, 74, 389-398.	0.7	2
53	In-Vivo Dosimetry for Small Animal Irradiation: A Preliminary Study. Journal of the Korean Physical Society, 2019, 74, 399-404.	0.7	2
54	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

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55	Analysis of radiation safety management status of medical linear accelerator facilities in Korea. Nuclear Engineering and Technology, 2022, 54, 449-455.	2.3	2
56	Radiotherapy Incidents Analysis Based on ROSIS: Tendency and Frequency. Progress in Medical Physics, 2014, 25, 298.	0.4	1
57	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
58	A Study of Institutional Status of Risk Management for Radiotherapy in Foreign Country. Progress in Medical Physics, 2016, 27, 139.	0.4	1
59	Dosimetric comparison of four different external beams for breast irradiation. Journal of the Korean Physical Society, 2017, 70, 300-307.	0.7	1
60	Guideline on Acceptance Test and Commissioning of High-Precision External Radiation Therapy Equipment. Progress in Medical Physics, 2018, 29, 123.	0.3	1
61	Radiotherapy Risk Estimation Based on Expert Group Survey. Frontiers in Physics, 2019, 7, .	2.1	1
62	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
63	TomoMQA: Automated analysis program for MVCT quality assurance of helical tomotherapy. Journal of Applied Clinical Medical Physics, 2020, 21, 151-157.	1.9	1
64	Development and Performance Evaluation of Wearable Respiratory Self-Training System Using Patch Type Magnetic Sensor. Frontiers in Oncology, 2021, 11, 680147.	2.8	1
65	Visceral fat thickness and its associations with pubertal and metabolic parameters among girls with precocious puberty. Annals of Pediatric Endocrinology and Metabolism, 2018, 23, 81-87.	2.3	1
66	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
67	Subchronic oral toxicity of herbal formula PM012 in Beagle dogs. Molecular and Cellular Toxicology, 2014, 10, 329-337.	1.7	0
68	Impact of Respiratory Motion on Breast Cancer Intensity-modulated Radiation Therapy. Progress in Medical Physics, 2016, 27, 93.	0.4	0
69	Feasibility study of patient-specific quality assurance system for high-dose-rate brachytherapy in patients with cervical cancer. Journal of the Korean Physical Society, 2016, 68, 1029-1036.	0.7	0
70	Estimation of the risk of secondary malignancies following intraoral electron radiotherapy for tongue cancer patients. Journal of Radiotherapy in Practice, 2017, 16, 46-52.	0.5	0
71	Evaluation of the MEMS based portable respiratory training system with a tactile sensor for respiratory-gated radiotherapy. Journal of the Korean Physical Society, 2017, 71, 452-458.	0.7	0
72	Feasibility Assessment of Physical Factors of Rectal Cancer Short-Course Chemoradiotherapy with Delayed Surgery. Progress in Medical Physics, 2018, 29, 143.	0.3	0

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73	Clinical Implementation of an In vivo Dose Verification System Based on a Transit Dose Calculation Tool for 3D-CRT. Journal of the Korean Physical Society, 2018, 73, 1571-1576.	0.7	0
74	Applicability of Glass Dosimeters for In-vivo Dosimetry in Brachytherapy. Journal of the Korean Physical Society, 2018, 72, 1320-1325.	0.7	0
75	The Propionyl Ester of Lovastatin Decreases the Levels of Very Long Chain Fatty Acids in Fibroblasts Derived from Patients with X-linked Adrenoleukodystrophy. Bulletin of the Korean Chemical Society, 2018, 39, 1023-1024.	1.9	0
76	Monitoring beam-quality constancy considering uncertainties associated with ionization chambers in Daily QA3 device. PLoS ONE, 2021, 16, e0246845.	2.5	0
77	Efficacy of 0.4mg tamsulosin monotherapy in patients with moderate-to-severe lower urinary tract symptoms. SAGE Open Medicine, 2021, 9, 205031212110473.	1.8	0
78	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
79	Sensitivity of radio-photoluminescence glass dosimeters to accumulated doses. PLoS ONE, 2020, 15, e0234829.	2.5	0
80	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
81	Dosimetric outcomes of preoperative treatment planning with intraoperative optimization using stranded seeds in prostate brachytherapy. PLoS ONE, 2022, 17, e0265143.	2.5	0
82	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