Sung-Joon Ye

List of Publications by Year
in descending order

48	540	687363 13	713466 21
papers	citations	h-index	g-index

48	48	48	614
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dual-Particle Imaging Performance of a Cs₂LiYCl₆:Ce (CLYC)-Based Rotational Modulation Collimator (RMC) System. IEEE Transactions on Nuclear Science, 2022, 69, 1389-1396.	2.0	3
2	Optimization of bromine-based radical initiators using leucomalachite green and solvents in PRESAGEÂ® dosimeter. Radiation Physics and Chemistry, 2022, 194, 109985.	2.8	4
3	Examination of radiation effects on Cs2LiYCl6:Ce3+ scintillators using a 100ÂMeV proton beam. Journal of the Korean Physical Society, 2022, 80, 382-387.	0.7	2
4	Deep Radiomicsâ€“based Approach to the Diagnosis of Osteoporosis Using Hip Radiographs. Radiology: Artificial Intelligence, 2022, 4, .	5.8	3
5	Development of Electron Paramagnetic Resonance Magnet System for In Vivo Tooth Dosimetry. Concepts in Magnetic Resonance Part B, 2022, 2022, 1-10.	0.7	1
6	Radiosensitization by Auâ€nanofilm at micrometer level using confocal Raman spectroscopy. Medical Physics, 2021, 48, 796-804.	3.0	0
7	Design and Fabrication of CLYC-Based Rotational Modulation Collimator (RMC) System for Gamma-Ray/Neutron Dual-Particle Imager. Journal of Radiation Protection and Research, 2021, 46, 112-119.	0.6	3
8	A Study on the Performance of a Silicon Photodiode Sensor for a Particle Dosimeter and Spectrometer. Sensors, 2021, 21, 8029.	3.8	2
9	Dynamic In Vivo X-ray Fluorescence Imaging of Gold in Living Mice Exposed to Gold Nanoparticles. IEEE Transactions on Medical Imaging, 2020, 39, 526-533.	8.9	20
10	Europium-Diethylenetriaminepentaacetic Acid Loaded Radioluminescence Liposome Nanoplatform for Effective Radioisotope-Mediated Photodynamic Therapy. ACS Nano, 2020, 14, 13004-13015.	14.6	41
11	Artifact-free CT images for electron beam therapy using a patient-specific non metallic shield. Physica Medica, 2020, 75, 92-99.	0.7	0
12	Reduced-dose whole-brain radiotherapy with tumor bed boost after upfront high-dose methotrexate for primary central nervous system lymphoma. Radiation Oncology Journal, 2020, 38, 35-43.	1.5	15
13	Compton Background Elimination for in Vivo X-Ray Fluorescence Imaging of Gold Nanoparticles Using Convolutional Neural Network. IEEE Transactions on Nuclear Science, 2020, 67, 2311-2320.	2.0	6
14	Deep-Learning-Based Label-Free Segmentation of Cell Nuclei in Time-Lapse Refractive Index Tomograms. IEEE Access, 2019, 7, 83449-83460.	4.2	38
15	Characterization of a new tissue equivalent proportional counter for dosimetry of neutron and photon fields: comparison of measurements and Monte Carlo simulations. Physics in Medicine and Biology, 2019, 64, 17NT02.	3.0	5
16	Dose perturbation and inhomogeneity of multi-arrays of 125I seed-loaded stent for treatment of portal vein tumor thrombosis. Physica Medica, 2019, 66, 1-7.	0.7	2
17	Measuring radioenhancement by gold nanofilms: Comparison with analytical calculations. Physica Medica, 2019, 68, 1-9.	0.7	7
18	Development of the Hemispherical Rotational Modulation Collimator Imaging System. IEEE Transactions on Nuclear Science, 2019, 66, 2114-2122.	2.0	5

#	Article	IF	Citations
19	Optimization of the collimator mask for the rotational modulation collimator-based gamma-ray/neutron dual-particle imager. Current Applied Physics, 2019, 19, 856-865.	2.4	6
20	A Monte Carlo simulation study for the gamma-ray/neutron dual-particle imager using rotational modulation collimator (RMC). Journal of Radiological Protection, 2018, 38, 299-309.	1.1	7
21	MCNP6.1 simulations for low-energy atomic relaxation: Code-to-code comparison with GATEv7.2, PENELOPE2014, and EGSnrc. Nuclear Instruments & Methods in Physics Research B, 2018, 415, 117-126.	1.4	10
22	Fano cavity test for electron Monte Carlo transport algorithms in magnetic fields: comparison between EGSnrc, PENELOPE, MCNP6 and Geant4. Physics in Medicine and Biology, 2018, 63, 195013.	3.0	22
23	Low-energy electron dose-point kernels and radial dose distributions around gold nanoparticles: Comparison between MCNP6.1, PENELOPE2014 and Geant4-DNA. Nuclear Instruments & Methods in Physics Research B, 2018, 430, 18-22.	1.4	8
24	Dependence of gold nanoparticle radiosensitization on cell geometry. Nanoscale, 2017, 9, 5843-5853.	5.6	61
25	Pinhole X-ray fluorescence imaging of gadolinium and gold nanoparticles using polychromatic X-rays: a Monte Carlo study. International Journal of Nanomedicine, 2017, Volume 12, 5805-5817.	6.7	15
26	Monte Carlo simulation for scanning technique with scattering foil free electron beam: A proof of concept study. PLoS ONE, 2017, 12, e0177380.	2.5	3
27	Characterization of a CLYC Detector and Validation of the Monte Carlo Simulation by Measurement Experiments. Journal of Radiation Protection and Research, 2017, 42, 48-55.	0.6	12
28	Design and evaluation of electron beam energy degraders for breast boost irradiation. Radiation Oncology, 2016, 11, 112.	2.7	4
29	Evaluation of the microscopic dose enhancement for nanoparticle-enhanced Auger therapy. Physics in Medicine and Biology, 2016, 61, 7522-7535.	3.0	22
30	Radiation imaging with a rotational modulation collimator (RMC) coupled to a Cs2LiYCl6:Ce (CLYC) detector. Journal of the Korean Physical Society, 2016, 69, 1644-1650.	0.7	11
31	Use of radiochromic film as a high-spatial resolution dosimeter by Raman spectroscopy. Medical Physics, 2016, 43, 4520-4528.	3.0	19
32	Performance of the irregular surface compensator compared with four-field box and intensity modulated radiation therapy for gynecologic cancer. Physica Medica, 2016, 32, 1537-1542.	0.7	3
33	AUTOMATIC C-ARM REPOSITIONING USING A TWO-BAR LINK SYSTEM FOR REDUCING RADIATION EXPOSURE. Journal of Mechanics in Medicine and Biology, 2015, 15, 1540054.	0.7	0
34	Monte Carlo simulation of rotational modulation collimator (RMC) patterns for the gamma-ray/neutron dual-particle imager. , 2015, , .		4
35	The effect of beam interruption during VMAT delivery on the delivered dose distribution. Physica Medica, 2015, 31, 297-300.	0.7	5
36	Gamma-index method sensitivity for gauging plan delivery accuracy of volumetric modulated arc therapy. Physica Medica, 2015, 31, 1118-1122.	0.7	13

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37	Textural feature calculated from segmental fluences as a modulation index for VMAT. Physica Medica, 2015, 31, 981-990.	0.7	7
38	Texture analysis on the edge-enhanced fluence of VMAT. Radiation Oncology, 2015, 10, 74.	2.7	17
39	Surface coating for prevention of metallic seed migration in tissues. Medical Physics, 2015, 42, 2805-2812.	3.0	3
40	SUâ€Dâ€207â€05: Realâ€Time Intrafractional Motion Tracking During VMAT Delivery Using a Conventional Elekta CBCT System. Medical Physics, 2015, 42, 3219-3219.	3.0	0
41	Texture analysis on the fluence map to evaluate the degree of modulation for volumetric modulated arc therapy. Medical Physics, 2014, 41, 111718.	3.0	26
42	Dosimetric effect of CT contrast agent in CyberKnife treatment plans. Radiation Oncology, 2013, 8, 244.	2.7	10
43	SU-E-J-99: Utilizing CT Dual DFOV in Treatment Planning System. Medical Physics, 2013, 40, 173-173.	3.0	0
44	External Auditing on Absorbed Dose Using a Solid Water Phantom for Domestic Radiotherapy Facilities. The Journal of the Korean Society for Therapeutic Radiology and Oncology, 2010, 28, 50.	0.1	4
45	DOPPLER BROADENING EFFECT ON LOW-ENERGY PHOTON DOSE CALCULATIONS USING MCNP5 AND PENELOPE. Health Physics, 2006, 91, 361-366.	0.5	3
46	Attenuation of intracavitary applicators in 192Ir-HDR brachytherapy. Medical Physics, 2004, 31, 2097-2106.	3.0	10
47	Dose errors due to inhomogeneities in balloon catheter brachytherapy for breast cancer. International Journal of Radiation Oncology Biology Physics, 2004, 60, 672-677.	0.8	22
48	Benchmark of PENELOPE code for low-energy photon transport: dose comparisons with MCNP4 and EGS4. Physics in Medicine and Biology, 2004, 49, 387-397.	3.0	56