

Naoki Hayashi

List of Publications by Year in descending order

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papers

437
citations

949033

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docs citations

59
times ranked

509
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#	ARTICLE	IF	CITATIONS
1	Improvement of patient localization repeatability using a light-section based optical surface guidance system in a pre-positioning procedure. <i>Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique</i> , 2022, 26, 547-556.	0.6	1
2	Mutation screening of the DNAJC7 gene in Japanese patients with sporadic amyotrophic lateral sclerosis. <i>Neurobiology of Aging</i> , 2022, 113, 131-136.	1.5	6
3	Dosimetric effects of quality assurance-related setup errors in passive proton therapy for prostate cancer with and without a hydrogel spacer. <i>Radiological Physics and Technology</i> , 2021, 14, 328-335.	1.0	0
4	Evaluation of radiophotoluminescent glass dosimeter response for therapeutic spot scanning proton beam: suggestion of linear energy transfer-based correction. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 265-272.	0.8	3
5	Dosimetric response of a glass dosimeter in proton beams: LET-dependence and correction factor. <i>Physica Medica</i> , 2021, 81, 147-154.	0.4	5
6	Evaluating the usefulness of the direct density reconstruction algorithm for intensity modulated and passively scattered proton therapy: Validation using an anthropomorphic phantom. <i>Physica Medica</i> , 2021, 92, 95-101.	0.4	3
7	Evaluation of differences and dosimetric influences of beam models using golden and multi-institutional measured beam datasets in radiation treatment planning systems. <i>Medical Physics</i> , 2020, 47, 5852-5871.	1.6	3
8	Effect of protective glasses on radiation dose to eye lenses during whole breast irradiation. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 272-277.	0.8	1
9	A quality assurance for respiratory gated proton irradiation with range modulation wheel. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 258-264.	0.8	1
10	Dosimetric verification of IMPT using a commercial heterogeneous phantom. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 114-120.	0.8	9
11	Evaluation of dosimetric advantages of using patient-specific aperture system with intensity-modulated proton therapy for the shallow depth tumor. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 132-137.	0.8	25
12	Quantifying the performance of two different types of commercial software programs for 3D patient dose reconstruction for prostate cancer patients: Machine log files vs. machine log files with EPID images. <i>Physica Medica</i> , 2018, 45, 170-176.	0.4	17
13	Multi-institutional comparison of secondary check of treatment planning using computer-based independent dose calculation for non-C-arm linear accelerators. <i>Physica Medica</i> , 2018, 56, 58-65.	0.4	1
14	Characterization of stochastic noise and post-irradiation density growth for reflective-type radiochromic film in therapeutic photon beam dosimetry. <i>Physica Medica</i> , 2016, 32, 1314-1320.	0.4	11
15	SU-F-T-255: Accuracy and Precision of Dynamic Tracking Irradiation with VERO-4DRT System. <i>Medical Physics</i> , 2016, 43, 3521-3521.	1.6	0
16	SU-G-TeP2-03: Comparison of Standard Dosimetry Protocol in Japan and AAPM TG-51 Addendum in Order to Establish Optimal Dosimetry for FFF Beam. <i>Medical Physics</i> , 2016, 43, 3663-3663.	1.6	0
17	Nodular fasciitis arising from the breast—A case report—. <i>The Journal of the Japanese Society of Clinical Cytology</i> , 2015, 54, 396-397.	0.0	0
18	SU-E-E-743: The Simple Monitor Unit Calculation for Irregular Field in Passive Proton Beam. <i>Medical Physics</i> , 2015, 42, 3507-3508.	1.6	0

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19	Dosimetric verification for intensity-modulated arc therapy plans by use of 2D diode array, radiochromic film and radiosensitive polymer gel. Journal of Radiation Research, 2014, 55, 541-552.	0.8	12
20	Prediction of back-scatter radiations to a beam monitor chamber of medical linear accelerators by use of the digitized target-current-pulse analysis method. Radiological Physics and Technology, 2013, 6, 142-150.	1.0	1
21	SU-E-T-12: Clinical Implementation of the Dedicated Program for MU Calculation in Proton Beam Therapy. Medical Physics, 2013, 40, 205-205.	1.6	0
22	Evaluation of triple channel correction acquisition method for radiochromic film dosimetry. Journal of Radiation Research, 2012, 53, 930-935.	0.8	17
23	Errors introduced by dose scaling for relative dosimetry. Journal of Applied Clinical Medical Physics, 2012, 13, 269-281.	0.8	6
24	SU-E-T-128: Dosimetric Characteristics of Gafchromic EBT3 Films for Megavoltage Photon and Proton Beams. Medical Physics, 2012, 39, 3732-3732.	1.6	0
25	SU-E-T-196: Commissioning for Volumetric Modulated Radiation Therapy on Varian Clinac 21EX. Medical Physics, 2012, 39, 3748-3748.	1.6	0
26	SU-E-T-364: Verification of MLC Motion Error during IMRT/VMAT Delivery by Using an In-House Program. Medical Physics, 2012, 39, 3788-3788.	1.6	0
27	SU-E-T-76: Dose Verification of IMRT Using Radiochromic Film with Triple Channel Correction Method. Medical Physics, 2012, 39, 3720-3720.	1.6	0
28	Hybrid CAD scheme for lung nodule detection in PET/CT images. Proceedings of SPIE, 2011, , .	0.8	2
29	SU-E-T-469: Retrospective Multicenter Study of IMRT Absorbed Dose Verification in Japan. Medical Physics, 2011, 38, 3596-3597.	1.6	0
30	SU-E-T-175: 3D Dose Verification of Varian RapidArc Treatment Plans by BANG Polymer Gel Dosimetry. Medical Physics, 2011, 38, 3526-3526.	1.6	0
31	SU-E-T-767: Improvement of Dose Conformity and Homogeneity of the Dose Distribution on Irregular-Surface-Compensator Based Breast Irradiation. Medical Physics, 2011, 38, 3667-3667.	1.6	0
32	SU-E-T-184: Usefulness of Triple Channel Correction for Gafchromic EBT2 Film on Patient Specific Quality Assurance of IMRT and IMAT. Medical Physics, 2011, 38, 3528-3528.	1.6	0
33	Stereotactic radiotherapy using Novalis for craniopharyngioma adjacent to optic pathways. Journal of Neuro-Oncology, 2010, 98, 239-247.	1.4	24
34	Megavoltage Photon Beam Attenuation by Carbon Fiber Couch Tops and its Prediction Using Correction Factors. Journal of Radiation Research, 2010, 51, 455-463.	0.8	7
35	Hypofractionated Stereotactic Body Radiotherapy for Primary and Metastatic Liver Tumors Using the Novalis Image-Guided System: Preliminary Results regarding Efficacy and Toxicity. Technology in Cancer Research and Treatment, 2010, 9, 619-627.	0.8	29
36	Preliminary Results of Stereotactic Radiotherapy for Spinal Lesions using the Novalis System. Radiosurgery, 2010, , 378-383.	0.1	1

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37	SU-GG-T-204: Feasibility Study of On-Site IMRT Audit in Japan. Medical Physics, 2010, 37, 3231-3232.	1.6	0
38	SU-GG-T-350: Beam Quality Correction of Radiophotoluminescence Glass Dosimeter in Accordance with Burlin Cavity Theory. Medical Physics, 2010, 37, 3266-3266.	1.6	0
39	SU-GG-T-370: Absorption Spectra of a New Radiochromic Film for Various Energies of Therapeutic Photon and Electron Beams. Medical Physics, 2010, 37, 3271-3271.	1.6	0
40	Assessment of Spatial Uncertainties in the Radiotherapy Process With the Novalis System. International Journal of Radiation Oncology Biology Physics, 2009, 75, 549-557.	0.4	38
41	New Treatment Strategy for Craniopharyngioma using Gamma Knife Radiosurgery. , 2006, 6, 152-163.		2
42	Stereotactic Imaging for Radiosurgery: Localization Accuracy of Magnetic Resonance Imaging and Positron Emission Tomography Compared with Computed Tomography. Stereotactic and Functional Neurosurgery, 2006, 84, 142-146.	0.8	11
43	The binding of myristoylated N-terminal nonapeptide from neuron-specific protein CAP23/NAP22 to calmodulin does not induce the globular structure observed for the calmodulin-nonmyristoylated peptide complex. Protein Science, 2000, 9, 1905-1913.	3.1	25
44	An Expression System of Rat Calmodulin Using T7 Phage Promoter in Escherichia coli. Protein Expression and Purification, 1998, 12, 25-28.	0.6	138
45	Circular Dichroism and ¹ H Nuclear Magnetic Resonance Studies on the Solution and Membrane Structures of GAP-43 Calmodulin-binding Domain. Journal of Biological Chemistry, 1997, 272, 7639-7645.	1.6	29