Mohammad R Salehpour

List of Publications by Year
in descending order

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60 papers	3,328 citations	156536 32 h-index	162838 57 g-index
60 all docs	60 docs citations	60 times ranked	2961 citing authors

#	Article	IF	Citations
1	Our Experience Leading a Large Medical Physics Practice During the COVID-19 Pandemic. Advances in Radiation Oncology, 2021, 6, 100683.	0.6	4
2	Analysis of a novel X-ray lens for converging beam radiotherapy. Scientific Reports, 2021, 11, 19180.	1.6	2
3	Material matters: Analysis of density uncertainty in 3D printing and its consequences for radiation oncology. Medical Physics, 2018, 45, 1614-1621.	1.6	55
4	Design, fabrication, and validation of patient-specific electron tissue compensators for postmastectomy radiation therapy. Physics and Imaging in Radiation Oncology, 2018, 8, 38-43.	1.2	5
5	Lung tumor segmentation methods: Impact on the uncertainty of radiomics features for non-small cell lung cancer. PLoS ONE, 2018, 13, e0205003.	1.1	63
6	Comparison of Dose Distributions With TG-43 and Collapsed Cone Convolution Algorithms Applied to Accelerated Partial Breast Irradiation Patient Plans. International Journal of Radiation Oncology Biology Physics, 2016, 95, 1520-1526.	0.4	10
7	Dosimetric advantages of a â€œbutterflyâ€•technique for intensity-modulated radiation therapy for young female patients with mediastinal Hodgkinâ€™s lymphoma. Radiation Oncology, 2014, 9, 94.	1.2	90
8	Hematologic Toxicity in RTOG 0418: A Phase 2 Study of Postoperative IMRT for Gynecologic Cancer. International Journal of Radiation Oncology Biology Physics, 2013, 86, 83-90.	0.4	182
9	Dosimetric impact of Acuros XB deterministic radiation transport algorithm for heterogeneous dose calculation in lung cancer. Medical Physics, 2013, 40, 051710.	1.6	67
10	Vaginal Motion and Bladder and Rectal Volumes During Pelvic Intensity-Modulated Radiation Therapy After Hysterectomy. International Journal of Radiation Oncology Biology Physics, 2012, 82, 256-262.	0.4	67
11	Cardiac Motion During Deep-Inspiration Breath-Hold: Implications for Breast Cancer Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2012, 82, 708-714.	0.4	47
12	A Phase II Study of Intensity Modulated Radiation Therapy to the Pelvis for Postoperative Patients With Endometrial Carcinoma: Radiation Therapy Oncology Group Trial 0418. International Journal of Radiation Oncology Biology Physics, 2012, 84, e23-e28.	0.4	83
13	Current clinical coverage of Radiation Therapy Oncology Group-defined target volumes for postmastectomy radiation therapy. Practical Radiation Oncology, 2012, 2, 201-209.	1.1	30
14	Involved field radiation for Hodgkin's lymphoma: The actual dose to breasts in close proximity. Medical Dosimetry, 2012, 37, 374-382.	0.4	6
15	Modification of an Implantable MOSFET Dosimeter to Act as a Fiducial Marker. IEEE Sensors Journal, 2011, 11, 2591-2597.	2.4	0
16	Automating RTOG-defined target volumes for postmastectomy radiation therapy. Practical Radiation Oncology, 2011, 1, 97-104.	1.1	4
17	Dosimetric comparison of Acuros XB deterministic radiation transport method with Monte Carlo and model-based convolution methods in heterogeneous media. Medical Physics, 2011, 38, 2651-2664.	1.6	178
18	Radiation for Hodgkin's Lymphoma in Young Female Patients: A New Technique to Avoid the Breasts and Decrease the Dose to the Heart. International Journal of Radiation Oncology Biology Physics, 2011, 79, 503-507.	0.4	36

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19	External-Beam Accelerated Partial Breast Irradiation Using Multiple Proton Beam Configurations. International Journal of Radiation Oncology Biology Physics, 2011, 80, 1464-1472.	0.4	43
20	Consolidative Radiation Therapy for Stage III Hodgkin Lymphoma in Patients Who Achieve Complete Response After ABVD Chemotherapy. American Journal of Clinical Oncology: Cancer Clinical Trials, 2011, 34, 499-505.	0.6	9
21	Use of a matchline dosimetry analysis tool (MDAT) to quantify dose homogeneity in the region between abutting tangential and supraclavicular radiation fields. Journal of Applied Clinical Medical Physics, 2010, 11, 206-221.	0.8	2
22	Calibration of indium response functions in an Au-In-BSE system up to 800 MeV. Radiation Protection Dosimetry, 2010, 139, 565-573.	0.4	5
23	Validation of a new grid-based Boltzmann equation solver for dose calculation in radiotherapy with photon beams. Physics in Medicine and Biology, 2010, 55, 581-598.	1.6	266
24	Successful treatment of a free-moving abdominal mass with radiation therapy guided by cone-beam computed tomography: a case report. Journal of Medical Case Reports, 2010, 4, 329.	0.4	5
25	Investigation into the use of a MOSFET dosimeter as an implantable fiducial marker. Journal of Applied Clinical Medical Physics, 2009, 10, 22-32.	0.8	7
26	Clinical implementation of electron energy changes of Varian linear accelerators. Journal of Applied Clinical Medical Physics, 2009, 10, 177-187.	0.8	9
27	Quantifying tumor-selective radiation dose enhancements using gold nanoparticles: a monte carlo simulation study. Biomedical Microdevices, 2009, 11, 925-933.	1.4	99
28	Cervix Regression and Motion During the Course of External Beam Chemoradiation for Cervical Cancer. International Journal of Radiation Oncology Biology Physics, 2009, 73, 235-241.	0.4	124
29	Effects of Variable Placement of Superior Tangential/Supraclavicular Match Line on Dosimetric Coverage of Level III Axilla/Axillary Apex in Patients Treated With Breast and Supraclavicular Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2009, 73, 370-374.	0.4	14
30	Breast Cancer Regional Radiation Fields for Supraclavicular and Axillary Lymph Node Treatment: Is a Posterior Axillary Boost Field Technique Optimal?. International Journal of Radiation Oncology Biology Physics, 2009, 74, 86-91.	0.4	19
31	Neutron spectra and dose equivalents calculated in tissue for highâ€energy radiation therapy. Medical Physics, 2009, 36, 1244-1250.	1.6	50
32	Monte Carlo study shows no significant difference in second cancer risk between 6- and 18-MV intensity-modulated radiation therapy. Radiotherapy and Oncology, 2009, 91, 132-137.	0.3	43
33	Measurement of High-Energy Neutron Spectra with a Bonner Sphere Extension System. Nuclear Technology, 2009, 168, 333-339.	0.7	10
34	Characterization of a Gold-and-Indium Dual-Activation-Foil-Based Bonner Sphere System. Nuclear Technology, 2009, 168, 603-609.	0.7	5
35	Comparison of Unfolding Methods for Determining Neutron Spectrum and Ambient Dose Equivalent. Nuclear Technology, 2009, 168, 610-614.	0.7	6
36	Energy spectra, sources, and shielding considerations for neutrons generated by a flattening filterâ€free Clinac. Medical Physics, 2008, 35, 1906-1911.	1.6	49

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37	The Radiation Exposure From Portal Images During the Course of Breast Radiotherapy. American Journal of Clinical Oncology: Cancer Clinical Trials, 2008, 31, 345-351.	0.6	1
38	Evaluation of the accuracy of fetal dose estimates using TG-36 data. Medical Physics, 2007, 34, 1193-1197.	1.6	18
39	The use of LiF (TLDâ€100) as an outâ€ofâ€field dosimeter. Journal of Applied Clinical Medical Physics, 2007, 8, 169-175.	0.8	41
40	Multileaf field-in-field forward-planned intensity-modulated dose compensation for whole-breast irradiation is associated with reduced contralateral breast dose: A phantom model comparison. Radiotherapy and Oncology, 2007, 82, 324-328.	0.3	54
41	Reduced Neutron Production Through Use of a Flattening-Filterâ€“Free Accelerator. International Journal of Radiation Oncology Biology Physics, 2007, 68, 1260-1264.	0.4	73
42	Uncertainty of Calculated Risk Estimates for Secondary Malignancies After Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2007, 68, 1265-1271.	0.4	70
43	Treatment-Planning Study of Prostate Cancer Intensity-Modulated Radiotherapy With a Varian Clinac Operated Without a Flattening Filter. International Journal of Radiation Oncology Biology Physics, 2007, 68, 1567-1571.	0.4	50
44	A Monte Carlo model for calculating out-of-field dose from a Varian 6MV beam. Medical Physics, 2006, 33, 4405-4413.	1.6	93
45	In response to Dr. Schneider. International Journal of Radiation Oncology Biology Physics, 2006, 64, 1290-1291.	0.4	2
46	Feasibility of dose escalation using intensity-modulated radiotherapy in posthysterectomy cervical carcinoma. International Journal of Radiation Oncology Biology Physics, 2005, 61, 1062-1070.	0.4	34
47	Intensity-modulated radiation therapy after hysterectomy: Comparison with conventional treatment and sensitivity of the normal-tissueâ€“sparing effect to margin size. International Journal of Radiation Oncology Biology Physics, 2005, 62, 1117-1124.	0.4	124
48	Out-of-field photon and neutron dose equivalents from step-and-shoot intensity-modulated radiation therapy. International Journal of Radiation Oncology Biology Physics, 2005, 62, 1204-1216.	0.4	227
49	The calculated risk of fatal secondary malignancies from intensity-modulated radiation therapy. International Journal of Radiation Oncology Biology Physics, 2005, 62, 1195-1203.	0.4	382
50	Intensity-modulated radiation therapy (IMRT) of cancers of the head and neck: Comparison of split-field and whole-field techniques. International Journal of Radiation Oncology Biology Physics, 2005, 63, 1000-1005.	0.4	76
51	Retrospective analysis of 2D patient-specific IMRT verifications. Medical Physics, 2005, 32, 838-850.	1.6	34
52	Dosimetric accuracy of Kodak EDR2 film for IMRT verifications. Medical Physics, 2005, 32, 539-548.	1.6	61
53	Detection of IMRT delivery errors using a quantitative 2D dosimetric verification system. Medical Physics, 2004, 32, 153-162.	1.6	20
54	Advances in Radiation Treatments of Breast Cancer. Clinical Breast Cancer, 2004, 4, 401-406.	1.1	5

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55	Patient-specific point dose measurement for IMRT monitor unit verification. International Journal of Radiation Oncology Biology Physics, 2003, 56, 867-877.	0.4	100
56	Intensity-modulated radiotherapy following extrapleural pneumonectomy for the treatment of malignant mesothelioma: clinical implementation. International Journal of Radiation Oncology Biology Physics, 2003, 55, 606-616.	0.4	110
57	Preoperative Chemotherapy and Radiation for Advanced Esophageal Carcinoma. American Journal of Clinical Oncology: Cancer Clinical Trials, 2002, 25, 358-364.	0.6	5
58	Combined Preoperative Chemotherapy and Radiation for Locally Advanced Rectal Carcinoma. American Journal of Clinical Oncology: Cancer Clinical Trials, 2000, 23, 442-448.	0.6	9
59	Micronuclei in lymphocytes of prostate cancer patients undergoing radiation therapy. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 469, 63-70.	0.9	30
60	Comparison of CT-Based Treatment Planning and Retrograde Urethrography in Determining the Prostatic Apex at Simulation. Medical Dosimetry, 1993, 18, 21-28.	0.4	15