

Arthur J Olch

List of Publications by Year in descending order

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41
papers

1,434
citations

686830

13
h-index

329751

37
g-index

42
all docs

42
docs citations

42
times ranked

1546
citing authors

#	ARTICLE	IF	CITATIONS
1	Acute and Late Pulmonary Effects After Radiation Therapy in Childhood Cancer Survivors: A PENTEC Comprehensive Review. International Journal of Radiation Oncology Biology Physics, 2022, , .	0.4	5
2	How low can you go? A CBCT dose reduction study. Journal of Applied Clinical Medical Physics, 2021, 22, 85-89.	0.8	11
3	Pediatric Normal Tissue Effects in the Clinic (PENTEC): An International Collaboration to Assess Normal Tissue Radiation Dose-Volume-Response Relationships for Children With Cancer. International Journal of Radiation Oncology Biology Physics, 2021, , .	0.4	10
4	Impact of using volumetric dosimetry to screen childhood cancer survivors for radiation-related late effects.. Journal of Clinical Oncology, 2021, 39, 12066-12066.	0.8	0
5	AAPM MEDICAL PHYSICS PRACTICE GUIDELINE 2.b.: Commissioning and quality assurance of X-ray-based image-guided radiotherapy systems. Journal of Applied Clinical Medical Physics, 2021, 22, 73-81.	0.8	10
6	Practice Patterns of Pediatric Total Body Irradiation Techniques: A Children's Oncology Group Survey. International Journal of Radiation Oncology Biology Physics, 2021, 111, 1155-1164.	0.4	11
7	Hearing Loss Risk in Pediatric Patients Treated with Cranial Irradiation and Cisplatin-Based Chemotherapy. International Journal of Radiation Oncology Biology Physics, 2021, 110, 1488-1495.	0.4	7
8	Surveillance for radiation-related late effects in childhood cancer survivors: The impact of using volumetric dosimetry. Cancer Medicine, 2021, 10, 905-913.	1.3	3
9	Scalp and Cranium Radiation Therapy Using Modulation (SCRUM) and Bolus. Advances in Radiation Oncology, 2020, 5, 936-942.	0.6	2
10	Creating a treatment plan report should be mandated as a minimum standard practice for patient care and QA documentation. Journal of Applied Clinical Medical Physics, 2020, 21, 6-9.	0.8	0
11	Practice patterns and recommendations for pediatric image-guided radiotherapy: A Children's Oncology Group report. Pediatric Blood and Cancer, 2020, 67, e28629.	0.8	11
12	Volumetric modulated craniospinal irradiation workflow optimization through quantitative analytics: a single-institution case study comparing pediatric and adult settings. Journal of Radiation Oncology, 2020, 9, 113-121.	0.7	0
13	A practical method for the reuse of nanoDot OSLDs and predicting sensitivities up to at least 7000ÂcGy. Medical Physics, 2020, 47, 1481-1488.	1.6	5
14	First Report of the Clinical Use of a Commercial Automated System for Daily Patient QA Using EPID Exit Images. Advances in Radiation Oncology, 2019, 4, 722-728.	0.6	11
15	The relationship between ventricular volume and whole-brain irradiation dose in central nervous system germ cell tumors. Pediatric Blood and Cancer, 2019, 66, e28005.	0.8	2
16	Collision Risk Mitigation of Varian TrueBeam Linear Accelerator With Supplemental Live-View Cameras. Practical Radiation Oncology, 2019, 9, e103-e109.	1.1	9
17	Eliminating Daily Shifts, Tattoos, and Skin Marks: Streamlining Isocenter Localization With Treatment Plan Embedded Couch Values for External Beam Radiation Therapy. Practical Radiation Oncology, 2019, 9, e110-e117.	1.1	13
18	Dose Sculpting Intensity Modulated Radiation Therapy for Vertebral Body Sparing in Children With Neuroblastoma. International Journal of Radiation Oncology Biology Physics, 2018, 101, 550-557.	0.4	9

#	ARTICLE	IF	CITATIONS
19	Acute toxicity of craniospinal irradiation with volumetricâ€modulated arc therapy in children with solid tumors. <i>Pediatric Blood and Cancer</i> , 2018, 65, e27050.	0.8	18
20	Tolerance limits and methodologies for <scp>IMRT</scp> measurementâ€based verification <scp>QA</scp>: Recommendations of <scp>AAPM</scp> Task Group No. 218</i>. <i>Medical Physics</i> , 2018, 45, e53-e83.	1.6	600
21	The Children's Oncology Group Radiation Oncology Discipline: 15ÂYears of Contributions to the Treatment of Childhood Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 860-874.	0.4	34
22	Sensitivity study of an automated system for daily patient <scp>QA</scp> using <scp>EPID</scp> exit dose images. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 114-124.	0.8	33
23	Executive summary of AAPM Report Task Group 113: Guidance for the physics aspects of clinical trials. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 335-346.	0.8	15
24	Radiotherapy after highâ€dose chemotherapy with autologous hematopoietic cell rescue: Quality assessment of Head Start III. <i>Pediatric Blood and Cancer</i> , 2017, 64, e26529.	0.8	2
25	Palliative radiation therapy for superior vena cava syndrome in metastatic Wilms tumor using 10XFFF and 3D surface imaging to avoid anesthesia in a pediatric patientâ€a teaching case. <i>Advances in Radiation Oncology</i> , 2017, 2, 101-104.	0.6	5
26	Adaptation of vacuum-assisted mouthpiece head immobilization system for precision infant brain radiation therapy. <i>Practical Radiation Oncology</i> , 2016, 6, 425-428.	1.1	2
27	Comment on â€œMonte Carlo evaluations of the absorbed dose and quality dependence of Al₂O₃ in radiotherapy photon beamsâ€[<i>Med. Phys.</i> 36(10), 4421â€4424 (2009)]. <i>Medical Physics</i> , 2015, 42, 2648-2649.	1.6	1
28	Correlation of pulmonary function abnormalities with dose volume histograms in children treated with lung irradiation. <i>Pediatric Pulmonology</i> , 2015, 50, 596-603.	1.0	8
29	Dosimetric effects caused by couch tops and immobilization devices: Report of AAPM Task Group 176. <i>Medical Physics</i> , 2014, 41, 061501.	1.6	114
30	Validation of OSLD and a treatment planning system for surface dose determination in IMRT treatments. <i>Medical Physics</i> , 2014, 41, 081720.	1.6	35
31	Correlation of long-term pulmonary injury with radiation dose distribution in childhood cancer survivors. <i>Practical Radiation Oncology</i> , 2012, 2, 237-240.	1.1	1
32	Evaluation of the accuracy of 3DVH software estimates of dose to virtual ion chamber and film in composite IMRT QA. <i>Medical Physics</i> , 2011, 39, 81-86.	1.6	78
33	Validation of a treatment plan-based calibration method for 2D detectors used for treatment delivery quality assurance. <i>Medical Physics</i> , 2010, 37, 4485-4494.	1.6	4
34	Treatment of primary CNS germinomatous germ cell tumors with chemotherapy prior to reduced dose whole ventricular and local boost irradiation. <i>Pediatric Blood and Cancer</i> , 2010, 55, 42-46.	0.8	95
35	TGâ€69: Radiographic film for megavoltage beam dosimetry. <i>Medical Physics</i> , 2007, 34, 2228-2258.	1.6	108
36	Portal imaging practice patterns of childrenâ€™s oncology group institutions: Dosimetric assessment and recommendations for minimizing unnecessary exposure. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 67, 594-600.	0.4	10

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37	Evaluation of a computed radiography system for megavoltage photon beam dosimetry. Medical Physics, 2005, 32, 2987-2999.	1.6	34
38	Dosimetric accuracy of the ITPâ„¢ inverse treatment planning system. Medical Physics, 2002, 29, 2484-2488.	1.6	9
39	Reproducibility and treatment planning advantages of a carbon fiber relocatable head fixation system. Radiotherapy and Oncology, 2002, 65, 165-168.	0.3	23
40	Dosimetric performance of an enhanced dose range radiographic film for intensity-modulated radiation therapy quality assurance. Medical Physics, 2002, 29, 2159-2168.	1.6	86
41	Potential therapeutic misadministration due to inappropriate electron beam field shaping. Journal of Applied Clinical Medical Physics, 2000, 1, 95-99.	0.8	0