

Arthur J Olch

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2784763/publications.pdf>

Version: 2024-02-01

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	Tolerance limits and methodologies for <sc>IMRT</sc> measurement-based verification <sc>QA</sc>: <i>Recommendations of <sc>AAPM</sc> Task Group No. 218</i>. Medical Physics, 2018, 45, e53-e83.	1.6	600
2	Dosimetric effects caused by couch tops and immobilization devices: Report of AAPM Task Group 176. Medical Physics, 2014, 41, 061501.	1.6	114
3	TC-69: Radiographic film for megavoltage beam dosimetry. Medical Physics, 2007, 34, 2228-2258.	1.6	108
4	Treatment of primary CNS germinomatous germ cell tumors with chemotherapy prior to reduced dose whole ventricular and local boost irradiation. Pediatric Blood and Cancer, 2010, 55, 42-46.	0.8	95
5	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
6	Evaluation of the accuracy of 3DVH software estimates of dose to virtual ion chamber and film in composite IMRT QA. Medical Physics, 2011, 39, 81-86.	1.6	78
7	Validation of OSLD and a treatment planning system for surface dose determination in IMRT treatments. Medical Physics, 2014, 41, 081720.	1.6	35
8	Evaluation of a computed radiography system for megavoltage photon beam dosimetry. Medical Physics, 2005, 32, 2987-2999.	1.6	34
9	The Children's Oncology Group Radiation Oncology Discipline: 15 Years of Contributions to the Treatment of Childhood Cancer. International Journal of Radiation Oncology Biology Physics, 2018, 101, 860-874.	0.4	34
10	Sensitivity study of an automated system for daily patient <sc>QA</sc> using <sc>EPID</sc> exit dose images. Journal of Applied Clinical Medical Physics, 2018, 19, 114-124.	0.8	33
11	Reproducibility and treatment planning advantages of a carbon fiber relocatable head fixation system. Radiotherapy and Oncology, 2002, 65, 165-168.	0.3	23
12	Acute toxicity of craniospinal irradiation with volumetrically modulated arc therapy in children with solid tumors. Pediatric Blood and Cancer, 2018, 65, e27050.	0.8	18
13	Executive summary of AAPM Report Task Group 113: Guidance for the physics aspects of clinical trials. Journal of Applied Clinical Medical Physics, 2018, 19, 335-346.	0.8	15
14	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
15	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
16	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
17	How low can you go? A CBCT dose reduction study. Journal of Applied Clinical Medical Physics, 2021, 22, 85-89.	0.8	11
18	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

#	ARTICLE	IF	CITATIONS
19	Portal imaging practice patterns of children's oncology group institutions: Dosimetric assessment and recommendations for minimizing unnecessary exposure. International Journal of Radiation Oncology Biology Physics, 2007, 67, 594-600.	0.4	10
20	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
21	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
22	Dosimetric accuracy of the ITP's inverse treatment planning system. Medical Physics, 2002, 29, 2484-2488.	1.6	9
23	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
24	Collision Risk Mitigation of Varian TrueBeam Linear Accelerator With Supplemental Live-View Cameras. Practical Radiation Oncology, 2019, 9, e103-e109.	1.1	9
25	Correlation of pulmonary function abnormalities with dose volume histograms in children treated with lung irradiation. Pediatric Pulmonology, 2015, 50, 596-603.	1.0	8
26	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
27	Palliative radiation therapy for superior vena cava syndrome in metastatic Wilms tumor using 10XFFF and 3D surface imaging to avoid anesthesia in a pediatric patient—a teaching case. Advances in Radiation Oncology, 2017, 2, 101-104.	0.6	5
28	A practical method for the reuse of nanoDot OSLDs and predicting sensitivities up to at least 7000 Gy. Medical Physics, 2020, 47, 1481-1488.	1.6	5
29	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
30	Validation of a treatment plan-based calibration method for 2D detectors used for treatment delivery quality assurance. Medical Physics, 2010, 37, 4485-4494.	1.6	4
31	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
32	Adaptation of vacuum-assisted mouthpiece head immobilization system for precision infant brain radiation therapy. Practical Radiation Oncology, 2016, 6, 425-428.	1.1	2
33	Radiotherapy after high-dose chemotherapy with autologous hematopoietic cell rescue: Quality assessment of Head Start III. Pediatric Blood and Cancer, 2017, 64, e26529.	0.8	2
34	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
35	Scalp and Cranium Radiation Therapy Using Modulation (SCRUM) and Bolus. Advances in Radiation Oncology, 2020, 5, 936-942.	0.6	2
36	Correlation of long-term pulmonary injury with radiation dose distribution in childhood cancer survivors. Practical Radiation Oncology, 2012, 2, 237-240.	1.1	1

#	ARTICLE	IF	CITATIONS
37	Comment on "Monte Carlo evaluations of the absorbed dose and quality dependence of Al ₂ O ₃ in radiotherapy photon beams" [Med. Phys. 36(10), 4421-4424 (2009)]. Medical Physics, 2015, 42, 2648-2649.	1.6	1
38	Potential therapeutic misadministration due to inappropriate electron beam field shaping. Journal of Applied Clinical Medical Physics, 2000, 1, 95-99.	0.8	0
39	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
40	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
41	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