

# David D Parsons

## List of Publications by Year in descending order

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19  
papers

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1163117  
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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	A Monte Carlo investigation of low-Z target image quality generated in a linear accelerator using	3.0	34
2	Low-Z target switching to increase tumor endothelial cell dose enhancement during gold nanoparticle-aided radiation therapy. Medical Physics, 2015, 43, 436-442.	3.0	20
3	Beam generation and planar imaging at energies below 2.40 MeV with carbon and aluminum linear accelerator targets. Medical Physics, 2012, 39, 4568-4578.	3.0	19
4	An investigation of kV CBCT image quality and dose reduction for volume-of-interest imaging using dynamic collimation. Medical Physics, 2015, 42, 5258-5269.	3.0	16
5	4D liver tumor localization using cone-beam projections and a biomechanical model. Radiotherapy and Oncology, 2019, 133, 183-192.	0.6	16
6	Volumetric Modulated Arc Therapy Enabled Total Body Irradiation (VMAT-TBI): Six-year Clinical Experience and Treatment Outcomes. Transplantation and Cellular Therapy, 2022, 28, 113.e1-113.e8.	1.2	15
7	Low-cost 3D print-based phantom fabrication to facilitate interstitial prostate brachytherapy training program. Brachytherapy, 2020, 19, 800-811.	0.5	14
8	Flattening filter free in intensity-modulated radiotherapy (IMRT) – Theoretical modeling with delivery efficiency analysis. Medical Physics, 2019, 46, 34-44.	3.0	11
9	Volume-of-interest cone-beam CT using a 2.35 MV beam generated with a carbon target. Medical Physics, 2012, 39, 4209-4218.	3.0	8
10	Volume of interest CBCT and tube current modulation for image guidance using dynamic kV collimation. Medical Physics, 2016, 43, 1808-1817.	3.0	6
11	Electron modulated arc therapy (EMAT) using photon MLC for postmastectomy chest wall treatment I: Monte Carlo-based dosimetric characterizations. Physica Medica, 2019, 67, 1-8.	0.7	6
12	The effect of copper conversion plates on low-Z target image quality. Medical Physics, 2012, 39, 5362-5371.	3.0	4
13	Toward a pre-clinical irradiator using clinical infrastructure. Physica Medica, 2019, 58, 21-31.	0.7	4
14	Prototype volumetric ultrasound tomography image guidance system for prone stereotactic partial breast irradiation: proof-of-concept. Physics in Medicine and Biology, 2018, 63, 055004.	3.0	3
15	Current modulated volume-of-interest imaging for kilovoltage intrafraction monitoring of the prostate. Medical Physics, 2017, 44, 1479-1493.	3.0	2
16	POD-DOSI: A dedicated dosimetry system for GammaPod commissioning and quality assurance. Medical Physics, 2020, 47, 3647-3657.	3.0	2
17	Investigating the impacts of intrafraction motion on dosimetric outcomes when treating small targets with virtual cones. Journal of Applied Clinical Medical Physics, 2021, 22, 60-71.	1.9	2
18	A How-To Compendium for GammaPod Treatments, Clinical Workflow, and Clinical Program at an Early Adopting Institution. Practical Radiation Oncology, 2022, 12, e177-e182.	2.1	1

#	ARTICLE	IF	CITATIONS
19	Technical Note: Evaluation of kV CBCT enhancement using a liver-specific contrast agent for stereotactic body radiation therapy image guidance. Medical Physics, 2019, 46, 1175-1181.	3.0	0