

# Zhifei Wen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1823675/publications.pdf>

Version: 2024-02-01

38  
papers

2,130  
citations

393982

19  
h-index

360668

35  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2473  
citing authors

#	ARTICLE	IF	CITATIONS
1	MRIGRT head and neck anthropomorphic QA phantom: Design, development, reproducibility, and feasibility study. <i>Medical Physics</i> , 2020, 47, 604-613.	1.6	13
2	Validation of PTV margin for Gamma Knife Icon frameless treatment using a PseudoPatient <sup>®</sup> Prime anthropomorphic phantom. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 278-285.	0.8	7
3	A modular phantom and software to characterize 3D geometric distortion in MRI. <i>Physics in Medicine and Biology</i> , 2020, 65, 195008.	1.6	8
4	Use of uniform shots for robust planning of mask-based treatment in Gamma Knife Icon. <i>Physica Medica</i> , 2020, 73, 135-157.	0.4	2
5	MRIGRT dynamic lung motion thorax anthropomorphic QA phantom: Design, development, reproducibility, and feasibility study. <i>Medical Physics</i> , 2019, 46, 5124-5133.	1.6	14
6	Investigation of TLD and EBT 3 performance under the presence of 1.5T, 0.35T, and 0T magnetic field strengths in MR / CT visible materials. <i>Medical Physics</i> , 2019, 46, 3217-3226.	1.6	14
7	IMRT planning parameter optimization for spine stereotactic radiosurgery. <i>Medical Dosimetry</i> , 2019, 44, 303-308.	0.4	6
8	Dosimetric validation of the Gamma Knife Icon plan adaptation and high-definition motion management system with a motorized anthropomorphic head phantom. <i>Journal of Radiosurgery and SBRT</i> , 2019, 6, 217-226.	0.2	1
9	A methodology to investigate the impact of image distortions on the radiation dose when using magnetic resonance images for planning. <i>Physics in Medicine and Biology</i> , 2018, 63, 085005.	1.6	17
10	Developing and characterizing MR/CT-visible materials used in QA phantoms for MR/gRT systems. <i>Medical Physics</i> , 2018, 45, 773-782.	1.6	27
11	Effect of magnetic field strength on plastic scintillation detector response. <i>Radiation Measurements</i> , 2018, 116, 10-13.	0.7	23
12	The future of image-guided radiotherapy will be MR guided. <i>British Journal of Radiology</i> , 2017, 90, 20160667.	1.0	147
13	4D MR imaging using robust internal respiratory signal. <i>Physics in Medicine and Biology</i> , 2016, 61, 3472-3487.	1.6	20
14	Biological responses of human solid tumor cells to X-ray irradiation within a 1.5-Tesla magnetic field generated by a magnetic resonance imaging linear accelerator. <i>Bioelectromagnetics</i> , 2016, 37, 471-480.	0.9	12
15	Exploratory Study of 4D versus 3D Robust Optimization in Intensity Modulated Proton Therapy for Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 523-533.	0.4	103
16	4D and multi-phase breath-hold CT imaging with synchronized intravenous contrast injection for liver tumor delineation. , 2013, , .		0
17	Effects of Atorvastatin on Cerebral Blood Flow in Middle-Aged Adults at Risk for Alzheimer's Disease: A Pilot Study. <i>Current Alzheimer Research</i> , 2012, 9, 990-997.	0.7	27
18	Development of a frameless stereotactic radiosurgery system based on real-time 6D position monitoring and adaptive head motion compensation. <i>Physics in Medicine and Biology</i> , 2010, 55, 389-401.	1.6	26

#	ARTICLE	IF	CITATIONS
19	SU-FF-T-529: A Feasibility Study On Frameless Gated Head Stereotactic Radiosurgery/Radiotherapy Via Real-Time Optical Position Monitoring and Adaptive Head Motion Compensation. <i>Medical Physics</i> , 2009, 36, 2645-2646.	1.6	0
20	Atorvastatin Therapy is Associated with Greater and Faster Cerebral Hemodynamic Response. <i>Brain Imaging and Behavior</i> , 2008, 2, 94-104.	1.1	5
21	Iterative projection reconstruction of time-resolved images using highly-constrained back-projection (HYPR). <i>Magnetic Resonance in Medicine</i> , 2008, 59, 132-139.	1.9	50
22	Design, Performance, and Applications of a Hybrid X-Ray/MR System for Interventional Guidance. <i>Proceedings of the IEEE</i> , 2008, 96, 468-480.	16.4	13
23	Shimming with permanent magnets for the x-ray detector in a hybrid x-ray/MR system. <i>Medical Physics</i> , 2008, 35, 3895-3902.	1.6	6
24	Noise considerations of three-point water-fat separation imaging methods. <i>Medical Physics</i> , 2008, 35, 3597-3606.	1.6	6
25	Investigation of electron trajectories of an x-ray tube in magnetic fields of MR scanners. <i>Medical Physics</i> , 2007, 34, 2048-2058.	1.6	19
26	Study of increased radiation when an x-ray tube is placed in a strong magnetic field. <i>Medical Physics</i> , 2007, 34, 408-418.	1.6	10
27	Compatibility of interventional x-ray and magnetic resonance imaging: Feasibility of a closed bore XMR (CBXMR) system. <i>Medical Physics</i> , 2006, 33, 3033-3045.	1.6	19
28	Cram�r-Rao bounds for three-point decomposition of water and fat. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 625-635.	1.9	194
29	Iterative decomposition of water and fat with echo asymmetry and least-squares estimation (IDEAL): Application with fast spin-echo imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 636-644.	1.9	615
30	Robust x-ray tubes for use within magnetic fields of MR scanners. <i>Medical Physics</i> , 2005, 32, 2327-2336.	1.6	14
31	Performance of a static-anode/flat-panel x-ray fluoroscopy system in a diagnostic strength magnetic field: A truly hybrid x-ray/MR imaging system. <i>Medical Physics</i> , 2005, 32, 1775-1784.	1.6	26
32	Truly Hybrid X-Ray/MR Imaging: Toward a Streamlined Clinical System1. <i>Academic Radiology</i> , 2005, 12, 1167-1177.	1.3	31
33	MR-guided Transjugular Intrahepatic Portosystemic Shunt Creation with Use of a Hybrid Radiography/MR System. <i>Journal of Vascular and Interventional Radiology</i> , 2005, 16, 227-234.	0.2	68
34	Multicoil Dixon chemical species separation with an iterative least-squares estimation method. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 35-45.	1.9	449
35	First use of a truly-hybrid X-ray/MR imaging system for guidance of brain biopsy. <i>Acta Neurochirurgica</i> , 2003, 145, 995-997.	0.9	23
36	X-ray tube in parallel magnetic fields. , 2003, 5030, 972.		5

#	ARTICLE	IF	CITATIONS
37	Truly Hybrid Interventional MR/X-Ray System. <i>Academic Radiology</i> , 2001, 8, 1200-1207.	1.3	42
38	A truly hybrid interventional MR/X-ray system: Feasibility demonstration. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 294-300.	1.9	68