

# B Gino Fallone

## List of Publications by Year in Descending Order

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**Version:** 2024-04-09

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59 papers	1,396 citations	16 h-index	36 g-index
62 ext. papers	1,586 ext. citations	3.6 avg, IF	4.91 L-index

#	Paper	IF	Citations
59	Findings of the AAPM Ad Hoc committee on magnetic resonance imaging in radiation therapy: Unmet needs, opportunities, and recommendations. <i>Medical Physics</i> , <b>2021</b> , 48, 4523-4531	4.4	3
58	How thin can you go? Performance of thin copper and aluminum RF coil conductors. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 2327-2333	4.4	2
57	Time domain principal component analysis for rapid, real-time 2D MRI reconstruction from undersampled data. <i>Medical Physics</i> , <b>2021</b> , 48, 6724-6739	4.4	
56	Clinical Outcomes of the CHIRP Trial: A Phase II Prospective Randomized Trial of Conventionally Fractionated Versus Moderately Hypofractionated Prostate and Pelvic Nodal Radiation Therapy in Patients With High-Risk Prostate Cancer. <i>Practical Radiation Oncology</i> , <b>2021</b> , 11, 384-393	2.8	1
55	Impact of a parallel magnetic field on radiation dose beneath thin copper and aluminum foils. <i>Biomedical Physics and Engineering Express</i> , <b>2020</b> , 6, 037002	1.5	2
54	Technical Note: Sensitive volume effects on ion chamber responses in longitudinal magnetic fields. <i>Medical Physics</i> , <b>2019</b> , 46, 3306-3310	4.4	
53	Single patient convolutional neural networks for real-time MR reconstruction: a proof of concept application in lung tumor segmentation for adaptive radiotherapy. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 195002	3.8	5
52	PRESS timings for resolving C -glutamate H signal at 9.4 T: Demonstration in rat with uniformly labelled C-glucose. <i>NMR in Biomedicine</i> , <b>2019</b> , 32, e4180	4.4	
51	Nomenclature for real-time magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 81, 1483-1484	4.4	12
50	Technical Note: EPID's response to 60MV photons in a strong, parallel magnetic field. <i>Medical Physics</i> , <b>2019</b> , 46, 340-344	4.4	1
49	Corrigendum to "Stability analysis of a deterministic dose calculation for MRI-guided radiotherapy". <i>Physics in Medicine and Biology</i> , <b>2018</b> ,	3.8	4
48	Evaluating performance of a user-trained MR lung tumor autocontouring algorithm in the context of intra- and interobserver variations. <i>Medical Physics</i> , <b>2018</b> , 45, 307-313	4.4	5
47	LyP-1 Conjugated Nanoparticles for Magnetic Resonance Imaging of Triple Negative Breast Cancer. <i>Molecular Imaging and Biology</i> , <b>2018</b> , 20, 428-435	3.8	8
46	Technical Note: Experimental verification of EGSnrc calculated depth dose within a parallel magnetic field in a lung phantom. <i>Medical Physics</i> , <b>2018</b> , 45, 5653-5658	4.4	1
45	Tracking tumor boundary using point correspondence for adaptive radio therapy. <i>Computer Methods and Programs in Biomedicine</i> , <b>2018</b> , 165, 187-195	6.9	2
44	Experimental verification of EGSnrc Monte Carlo calculated depth doses within a realistic parallel magnetic field in a polystyrene phantom. <i>Medical Physics</i> , <b>2017</b> , 44, 4804-4815	4.4	7
43	Real-time dynamic MR image reconstruction using compressed sensing and principal component analysis (CS-PCA): Demonstration in lung tumor tracking. <i>Medical Physics</i> , <b>2017</b> , 44, 3978-3989	4.4	9

42	A non-axial superconducting magnet design for optimized patient access and minimal SAD for use in a Linac-MR hybrid: proof of concept. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, N147-N160	3.8	3
41	Technical Note: Ion chamber angular dependence in a magnetic field. <i>Medical Physics</i> , <b>2017</b> , 44, 4322-4328	4.4	9
40	Design and simulation of a short, variable-energy 4 to 10 MV S-band linear accelerator waveguide. <i>Medical Physics</i> , <b>2017</b> , 44, 2124-2131	4.4	2
39	Role of serial multiparametric magnetic resonance imaging in prostate cancer active surveillance. <i>World Journal of Radiology</i> , <b>2016</b> , 8, 410-8	2.9	11
38	Optimized PRESS sequence timings for measuring glycine at 9.4 T: demonstration in vivo in rat brain. <i>Biomedical Physics and Engineering Express</i> , <b>2016</b> , 2, 027003	1.5	
37	Experimental verification of SNR and parallel imaging improvements using composite arrays. <i>NMR in Biomedicine</i> , <b>2015</b> , 28, 141-53	4.4	14
36	Effect of J coupling on 1.3-ppm lipid methylene signal acquired with localised proton MRS at 3 T. <i>NMR in Biomedicine</i> , <b>2015</b> , 28, 1324-31	4.4	7
35	Comparison of optimized long echo time STEAM and PRESS proton MR spectroscopy of lipid olefinic protons at 3 Tesla. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 41, 481-6	5.6	15
34	Clinical evaluation of normalized metal artifact reduction in kVCT using MVCT prior images (MVCT-NMAR) for radiation therapy treatment planning. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2014</b> , 89, 682-9	4	42
33	The rotating biplanar linac-magnetic resonance imaging system. <i>Seminars in Radiation Oncology</i> , <b>2014</b> , 24, 200-2	5.5	182
32	Spatial and temporal distribution of H2AX fluorescence in human cell cultures following synchrotron-generated X-ray microbeams: lack of correlation between persistent H2AX foci and apoptosis. <i>Journal of Synchrotron Radiation</i> , <b>2014</b> , 21, 801-10	2.4	10
31	A system for automated noise parameter measurements on MR preamplifiers and application to high B(0) fields. <i>NMR in Biomedicine</i> , <b>2014</b> , 27, 926-38	4.4	1
30	Stray Capacitance Between Magnetic Resonance Imaging Coil Elements: Models and Application to Array Decoupling. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 4667-4677	4.1	10
29	Long echo time proton magnetic resonance spectroscopy for estimating relative measures of lipid unsaturation at 3 T. <i>Journal of Magnetic Resonance Imaging</i> , <b>2013</b> , 37, 944-9	5.6	14
28	Design and Optimization of Superconducting MRI Magnet Systems With Magnetic Materials. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2012</b> , 22, 4400107-4400107	1.8	26
27	Evaluation of dose-volume metrics for microbeam radiation therapy dose distributions in head phantoms of various sizes using Monte Carlo simulations. <i>Physics in Medicine and Biology</i> , <b>2012</b> , 57, 3223-3248	3.8	9
26	Skin dose in longitudinal and transverse linac-MRIs using Monte Carlo and realistic 3D MRI field models. <i>Medical Physics</i> , <b>2012</b> , 39, 6509-21	4.4	47
25	Three-Dimensional Nonaxisymmetric Pole Piece Shape Optimization for Biplanar Permanent-Magnet MRI Systems. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 231-238	2	16

24	Effect of J-coupling on lipid composition determination with localized proton magnetic resonance spectroscopy at 9.4 T. <i>Journal of Magnetic Resonance Imaging</i> , <b>2011</b> , 34, 1388-96	5.6	16
23	Efficient multichannel coil data compression: A prospective study for distributed detection in wireless high-density arrays <b>2011</b> , 39B, 64-77		2
22	Lung dosimetry in a linac-MRI radiotherapy unit with a longitudinal magnetic field. <i>Medical Physics</i> , <b>2010</b> , 37, 4722-32	4.4	61
21	Monitoring T2 and ADC at 9.4 T following fractionated external beam radiation therapy in a mouse model. <i>Physics in Medicine and Biology</i> , <b>2010</b> , 55, 1381-93	3.8	12
20	Population TCP estimators in case of heterogeneous irradiation: a new discussion of an old problem. <i>Acta Oncologica</i> , <b>2010</b> , 49, 1293-303	3.2	4
19	ADC response to radiation therapy correlates with induced changes in radiosensitivity. <i>Medical Physics</i> , <b>2010</b> , 37, 3855-61	4.4	9
18	Investigation of a 3D system distortion correction method for MR images. <i>Journal of Applied Clinical Medical Physics</i> , <b>2010</b> , 11, 2961	2.3	42
17	Assessment of a commercially available automatic deformable registration system. <i>Journal of Applied Clinical Medical Physics</i> , <b>2010</b> , 11, 3175	2.3	23
16	Design and Optimization of a Novel Bored Biplanar Permanent-Magnet Assembly for Hybrid Magnetic Resonance Imaging Systems. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 4052-4058	2	40
15	T(2) determination of the J-coupled methyl protons of lipids: In vivo illustration with tibial bone marrow at 3 T. <i>Journal of Magnetic Resonance Imaging</i> , <b>2010</b> , 31, 1514-21	5.6	15
14	Comment on "Monte Carlo evaluation of the convolution/superposition algorithm of Hi-Art tomotherapy in heterogeneous phantoms and clinical cases" [Med. Phys. 36, 1566-1575 (2009)]. <i>Medical Physics</i> , <b>2009</b> , 36, 3856; author reply 3857	4.4	
13	Temporal and dose dependence of T2 and ADC at 9.4 T in a mouse model following single fraction radiation therapy. <i>Medical Physics</i> , <b>2009</b> , 36, 2948-54	4.4	15
12	Detection of glutamate and glutamine (Glx) by turbo spectroscopic imaging. <i>Journal of Magnetic Resonance</i> , <b>2009</b> , 196, 170-7	3	7
11	Probability dynamics of a repopulating tumor in case of fractionated external radiotherapy. <i>Physica Medica</i> , <b>2009</b> , 25, 181-91	2.7	5
10	First MR images obtained during megavoltage photon irradiation from a prototype integrated linac-MR system. <i>Medical Physics</i> , <b>2009</b> , 36, 2084-8	4.4	258
9	A two-step scheme for distortion rectification of magnetic resonance images. <i>Medical Physics</i> , <b>2009</b> , 36, 3917-26	4.4	73
8	Prostate positioning errors associated with two automatic registration based image guidance strategies. <i>Journal of Applied Clinical Medical Physics</i> , <b>2009</b> , 10, 165-176	2.3	3
7	Patient dosimetry for hybrid MRI-radiotherapy systems. <i>Medical Physics</i> , <b>2008</b> , 35, 1019-27	4.4	104

6	Exploiting the chemical shift displacement effect in the detection of glutamate and glutamine (Glx) with PRESS. <i>Journal of Magnetic Resonance</i> , <b>2008</b> , 191, 120-7	3	16
5	Analytic investigation into effect of population heterogeneity on parameter ratio estimates. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2007</b> , 69, 1323-30	4	8
4	Incorporating homonuclear polarization transfer into PRESS for proton spectral editing: illustration with lactate and glutathione. <i>Journal of Magnetic Resonance</i> , <b>2007</b> , 188, 111-21	3	5
3	Characterization, prediction, and correction of geometric distortion in 3 T MR images. <i>Medical Physics</i> , <b>2007</b> , 34, 388-99	4.4	142
2	Fundamental form of a population TCP model in the limit of large heterogeneity. <i>Medical Physics</i> , <b>2006</b> , 33, 1634-42	4.4	17
1	A TCP-NTCP estimation module using DVHs and known radiobiological models and parameter sets. <i>Journal of Applied Clinical Medical Physics</i> , <b>2004</b> , 5, 50-63	2.3	39