

# Elmar Laistler

## List of Publications by Year in descending order

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34  
papers

656  
citations

471477

17  
h-index

610883

24  
g-index

36  
all docs

36  
docs citations

36  
times ranked

944  
citing authors

#	ARTICLE	IF	CITATIONS
1	Technical note: A PET/MR coil with an integrated, orbiting 511 keV transmission source for PET/MR imaging validated in an animal study. <i>Medical Physics</i> , 2022, 49, 2366-2372.	3.0	3
2	Flexible Multi-Turn Multi-Gap Coaxial RF Coils: Design Concept and Implementation for Magnetic Resonance Imaging at 3 and 7 Tesla. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1267-1278.	8.9	19
3	Medical Physics and Imaging – A Timely Perspective. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	5
4	Multi-Loop Radio Frequency Coil Elements for Magnetic Resonance Imaging: Theory, Simulation, and Experimental Investigation. <i>Frontiers in Physics</i> , 2020, 7, .	2.1	12
5	Anatomically Adaptive Coils for MRI – A 6-Channel Array for Knee Imaging at 1.5 Tesla. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	12
6	Perspectives in Wireless Radio Frequency Coil Development for Magnetic Resonance Imaging. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	9
7	A Flexible Array for Cardiac <sup>31</sup> P MR Spectroscopy at 7 T. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	1
8	MR safety assessment of active implantable medical devices. <i>Der Radiologe</i> , 2019, 59, 40-45.	1.7	5
9	Design, Implementation, and Evaluation of a Head and Neck MRI RF Array Integrated with a 511 keV Transmission Source for Attenuation Correction in PET/MR. <i>Sensors</i> , 2019, 19, 3297.	3.8	5
10	Assessing spectral imaging of the human finger for detection of arthritis. <i>Biomedical Optics Express</i> , 2019, 10, 6555.	2.9	6
11	Dynamic multivoxel-localized <sup>31</sup> P MRS during plantar flexion exercise with variable knee angle. <i>NMR in Biomedicine</i> , 2018, 31, e3905.	2.8	13
12	Effects of 1,8-cineole and (E)-linalool on Functional Brain Activation in a Working Memory Task. <i>Flavour and Fragrance Journal</i> , 2018, 33, 235-244.	2.6	11
13	In vivo MRI of the human finger at 7 T. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 588-592.	3.0	23
14	A head coil system with an integrated orbiting transmission point source mechanism for attenuation correction in PET/MRI. <i>Physics in Medicine and Biology</i> , 2018, 63, 225014.	3.0	12
15	Flexible 23-channel coil array for high-resolution magnetic resonance imaging at 3 Tesla. <i>PLoS ONE</i> , 2018, 13, e0206963.	2.5	24
16	A flexible 12-channel transceiver array of transmission line resonators for 7 T MRI. <i>Journal of Magnetic Resonance</i> , 2018, 296, 47-59.	2.1	13
17	Proton-decoupled carbon magnetic resonance spectroscopy in human calf muscles at 7 T using a multi-channel radiofrequency coil. <i>Scientific Reports</i> , 2018, 8, 6211.	3.3	10
18	Handy magnetic resonance coils. <i>Nature Biomedical Engineering</i> , 2018, 2, 557-558.	22.5	8

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19	Selection of optimal multispectral imaging system parameters for small joint arthritis detection. , 2018, , .		0
20	High-sensitivity TMS/fMRI of the Human Motor Cortex Using a Dedicated Multichannel MR Coil. NeuroImage, 2017, 150, 262-269.	4.2	43
21	Ultra-High Field NMR and MRIâ€™The Role of Magnet Technology to Increase Sensitivity and Specificity. Frontiers in Physics, 2017, 5, .	2.1	62
22	Dynamic PCr and pH imaging of human calf muscles during exercise and recovery using <sup>31</sup> P gradientâ€™Echo MRI at 7 Tesla. Magnetic Resonance in Medicine, 2016, 75, 2324-2331.	3.0	31
23	Skeletal muscle ATP synthesis and cellular H+ handling measured by localized 31P-MRS during exercise and recovery. Scientific Reports, 2016, 6, 32037.	3.3	33
24	Multi-turn multi-gap transmission line resonators â€™ Concept, design and first implementation at 4.7 T and 7 T. Journal of Magnetic Resonance, 2016, 273, 65-72.	2.1	18
25	Novel inductive decoupling technique for flexible transceiver arrays of monolithic transmission line resonators. Magnetic Resonance in Medicine, 2015, 73, 1669-1681.	3.0	26
26	A formâ€™fitted three channel <sup>31</sup> P, two channel <sup>1</sup> H transceiver coil array for calf muscle studies at 7 T. Magnetic Resonance in Medicine, 2015, 73, 2376-2389.	3.0	40
27	Power balance and loss mechanism analysis in RF transmit coil arrays. Magnetic Resonance in Medicine, 2015, 74, 1165-1176.	3.0	33
28	Localized semi-LASER dynamic 31P magnetic resonance spectroscopy of the soleus during and following exercise at 7T. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2015, 28, 493-501.	2.0	23
29	In vivo MR imaging of the human skin at subnanoliter resolution using a superconducting surface coil at 1.5 tesla. Journal of Magnetic Resonance Imaging, 2015, 41, 496-504.	3.4	21
30	Dynamic ASL and T2* -weighted MRI in exercising calf muscle at 7 T: A feasibility study. Magnetic Resonance in Medicine, 2015, 73, 1190-1195.	3.0	39
31	New ultra-thin multichannel receive coil for concurrent TMS/fMRI experiments. Brain Stimulation, 2015, 8, 426-427.	1.6	0
32	A novel coil array for combined TMS/fMRI experiments at 3 T. Magnetic Resonance in Medicine, 2015, 74, 1492-1501.	3.0	46
33	Exercising calf muscle changes correlate with pH, PCr recovery and maximum oxidative phosphorylation. NMR in Biomedicine, 2014, 27, 553-560.	2.8	31
34	Magnetic resonance microimaging of human skin vasculature in vivo at 3 Tesla. Magnetic Resonance in Medicine, 2011, 65, 1718-1723.	3.0	19