

Oliver Kraff

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

2,363
citations

201385

27
h-index

223531

46
g-index

69
all docs

69
docs citations

69
times ranked

3002
citing authors

#	ARTICLE	IF	CITATIONS
1	A network of trans-cortical capillaries as mainstay for blood circulation in long bones. <i>Nature Metabolism</i> , 2019, 1, 236-250.	5.1	221
2	MRI at 7 tesla and above: Demonstrated and potential capabilities. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 13-33.	1.9	148
3	In Vivo Biochemical 7.0 Tesla Magnetic Resonance. <i>Investigative Radiology</i> , 2008, 43, 619-626.	3.5	130
4	Subjective acceptance of 7 Tesla MRI for human imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2008, 21, 63-72.	1.1	125
5	[18F]FDG PET/MRI vs. PET/CT for whole-body staging in patients with recurrent malignancies of the female pelvis: initial results. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 56-65.	3.3	115
6	7T: Physics, safety, and potential clinical applications. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1573-1589.	1.9	87
7	A large-scale study on subjective perception of discomfort during 7 and 1.5 T MRI examinations. <i>Bioelectromagnetics</i> , 2011, 32, 610-619.	0.9	85
8	Gadolinium-Based Magnetic Resonance Contrast Agents at 7 Tesla. <i>Investigative Radiology</i> , 2010, 45, 554-558.	3.5	84
9	7 tesla MRI of microbleeds and white matter lesions as seen in vascular dementia. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 782-791.	1.9	74
10	An Eight-Channel Phased Array RF Coil for Spine MR Imaging at 7 T. <i>Investigative Radiology</i> , 2009, 44, 734-740.	3.5	71
11	To TOF or not to TOF: strategies for non-contrast-enhanced intracranial MRA at 7 T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2008, 21, 159-167.	1.1	56
12	Imaging of adult astrocytic brain tumours with 7 T MRI: preliminary results. <i>European Radiology</i> , 2010, 20, 704-713.	2.3	53
13	Imaging of Patients with Hippocampal Sclerosis at 7 Tesla. <i>Academic Radiology</i> , 2010, 17, 421-426.	1.3	48
14	A 32-channel parallel transmit system add-on for 7T MRI. <i>PLoS ONE</i> , 2019, 14, e0222452.	1.1	48
15	Cerebral Cavernous Hemangiomas at 7 Tesla. <i>Academic Radiology</i> , 2010, 17, 3-6.	1.3	44
16	Assessing a Dysplastic Cerebellar Gangliocytoma (Lhermitte-Duclos Disease) with 7T MR Imaging. <i>Korean Journal of Radiology</i> , 2010, 11, 244.	1.5	40
17	Diffuse Axonal Injury at Ultra-High Field MRI. <i>PLoS ONE</i> , 2015, 10, e0122329.	1.1	40
18	Evaluation of Hardware-related Geometrical Distortion in Structural MRI at 7 Tesla for Image-guided Applications in Neurosurgery. <i>Academic Radiology</i> , 2011, 18, 910-916.	1.3	37

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19	Dynamic Contrast-Enhanced Renal MRI at 7 Tesla. <i>Investigative Radiology</i> , 2011, 46, 425-433.	3.5	37
20	Feasibility of T_2 -weighted turbo spin echo imaging of the human prostate at 7 tesla. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1711-1719.	1.9	36
21	Vestibular Effects of a 7 Tesla MRI Examination Compared to 1.5 T and 0 T in Healthy Volunteers. <i>PLoS ONE</i> , 2014, 9, e92104.	1.1	34
22	MR safety assessment of potential RF heating from cranial fixation plates at 7 T. <i>Medical Physics</i> , 2013, 40, 042302.	1.6	33
23	The traveling heads 2.0: Multicenter reproducibility of quantitative imaging methods at 7 Tesla. <i>NeuroImage</i> , 2021, 232, 117910.	2.1	31
24	Exposure to high-field MRI does not affect cognitive function. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 1061-1066.	1.9	30
25	Dynamic Contrast-Enhanced Breast MRI at 7 Tesla Utilizing a Single-loop Coil. <i>Academic Radiology</i> , 2010, 17, 1050-1056.	1.3	30
26	1.5 versus 3 versus 7 Tesla in abdominal MRI: A comparative study. <i>PLoS ONE</i> , 2017, 12, e0187528.	1.1	30
27	High-Resolution MRI of the Human Parotid Gland and Duct at 7 Tesla. <i>Investigative Radiology</i> , 2009, 44, 518-524.	3.5	29
28	Experience with magnetic resonance imaging of human subjects with passive implants and tattoos at 7 T: a retrospective study. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 577-590.	1.1	29
29	Renal imaging at 7 Tesla: preliminary results. <i>European Radiology</i> , 2011, 21, 841-849.	2.3	27
30	7 Tesla quantitative hip MRI: T1, T2 and T2* mapping of hip cartilage in healthy volunteers. <i>European Radiology</i> , 2016, 26, 1245-1253.	2.3	27
31	The traveling heads: multicenter brain imaging at 7 Tesla. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 399-415.	1.1	26
32	Towards real-time cardiovascular magnetic resonance-guided transarterial aortic valve implantation: In vitro evaluation and modification of existing devices. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010, 12, 58.	1.6	24
33	Contrast-enhanced ultra-high-field liver MRI: A feasibility trial. <i>European Journal of Radiology</i> , 2013, 82, 760-767.	1.2	22
34	Cranial fixation plates in cerebral magnetic resonance imaging: a 3 and 7 Tesla in vivo image quality study. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 389-398.	1.1	20
35	An 8/15-channel Tx/Rx head neck RF coil combination with region-specific B_1 + shimming for whole-brain MRI focused on the cerebellum at 7T. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1252-1265.	1.9	19
36	In vitro and in silico assessment of RF-induced heating around intracranial aneurysm clips at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 568-581.	1.9	19

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37	Cerebellar transcranial direct current stimulation modulates the fMRI signal in the cerebellar nuclei in a simple motor task. <i>Brain Stimulation</i> , 2019, 12, 1169-1176.	0.7	19
38	A Transmit/Receive Radiofrequency Array for Imaging the Carotid Arteries at 7 Tesla. <i>Investigative Radiology</i> , 2011, 46, 246-254.	3.5	18
39	Radiofrequency Coils for 7 Tesla MRI. <i>Topics in Magnetic Resonance Imaging</i> , 2019, 28, 145-158.	0.7	18
40	MRI of the lumbar spine at 7 Tesla in healthy volunteers and a patient with congenital malformations. <i>Skeletal Radiology</i> , 2012, 41, 509-514.	1.2	17
41	European Ultrahigh-Field Imaging Network for Neurodegenerative Diseases (EUFIND). <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 538-549.	1.2	17
42	Morphological and Quantitative 7 T MRI of Hip Cartilage Transplants in Comparison to 3 T Initial Experiences. <i>Investigative Radiology</i> , 2016, 51, 552-559.	3.5	16
43	Analysis of an Integrated 8-Channel Tx/Rx Body Array for Use as a Body Coil in 7-Tesla MRI. <i>Frontiers in Physics</i> , 2017, 5, .	1.0	16
44	Nigrosome 1 visibility at susceptibility weighted 7T MRI—A dependable diagnostic marker for Parkinson's disease or merely an inconsistent, age-dependent imaging finding?. <i>PLoS ONE</i> , 2017, 12, e0185489.	1.1	16
45	An eight-channel transmit/receive multipurpose coil for musculoskeletal MR imaging at 7 T. <i>Medical Physics</i> , 2010, 37, 6368-6376.	1.6	15
46	Design of a Modular Protein-Based MRI Contrast Agent for Targeted Application. <i>PLoS ONE</i> , 2013, 8, e65346.	1.1	13
47	3 Tesla high-resolution and delayed gadolinium enhanced MR imaging of cartilage (dGEMRIC) after autologous chondrocyte transplantation in the hip. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 624-633.	1.9	13
48	Morphological imaging and T2 and T2* mapping of hip cartilage at 7 Tesla MRI under the influence of intravenous gadolinium. <i>European Radiology</i> , 2016, 26, 3923-3931.	2.3	13
49	7 Tesla quantitative hip MRI: a comparison between TESS and CPMG for T2 mapping. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 503-512.	1.1	13
50	Seven-Tesla MRI of the female pelvis. <i>European Radiology</i> , 2013, 23, 2364-2373.	2.3	12
51	MR Safety Update 2015: Where Do the Risks Come From?. <i>Current Radiology Reports</i> , 2016, 4, 1.	0.4	12
52	Aspects of postoperative magnetic resonance imaging of patients with avascular necrosis of the femoral head, treated by advanced core decompression. <i>Skeletal Radiology</i> , 2015, 44, 1467-1475.	1.2	10
53	T1-Weighted Contrast-Enhanced Magnetic Resonance Imaging of the Small Bowel. <i>Investigative Radiology</i> , 2015, 50, 539-547.	3.5	9
54	Usefulness of metal artifact reduction with WARP technique at 1.5 and 3T MRI in imaging metal-on-metal hip resurfacings. <i>Skeletal Radiology</i> , 2015, 44, 941-951.	1.2	9

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55	An 8-channel transmitter 7-channel receiver RF coil setup for high SNR ultrahigh-field MRI of the shoulder at 7T. <i>Medical Physics</i> , 2017, 44, 6195-6208.	1.6	9
56	Radiofrequency induced heating around aneurysm clips using a generic birdcage head coil at 7 Tesla under consideration of the minimum distance to decouple multiple aneurysm clips. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1859-1875.	1.9	9
57	Higher sensitivity for traumatic cerebral microbleeds at 7 T ultra-high field MRI: is it clinically significant for the acute state of the patients and later quality of life?. <i>Therapeutic Advances in Neurological Disorders</i> , 2020, 13, 175628642091129.	1.5	9
58	Non-Enhanced T1-Weighted Liver Vessel Imaging at 7 Tesla. <i>PLoS ONE</i> , 2014, 9, e97465.	1.1	9
59	Non-enhanced magnetic resonance imaging of the small bowel at 7 Tesla in comparison to 1.5 Tesla: First steps towards clinical application. <i>Magnetic Resonance Imaging</i> , 2016, 34, 668-673.	1.0	8
60	Abdominopelvic 1.5-T and 3.0-T MR Imaging in Healthy Volunteers: Relationship to Formation of DNA Double-Strand Breaks. <i>Radiology</i> , 2018, 288, 529-535.	3.6	8
61	Adapted cabling of an EEG cap improves simultaneous measurement of EEG and fMRI at 7T. <i>Journal of Neuroscience Methods</i> , 2020, 331, 108518.	1.3	8
62	Ultrahigh-Field Imaging of the Biliary Tract at 7 T. <i>Investigative Radiology</i> , 2014, 49, 346-353.	3.5	7
63	Contrast enhanced renal MR angiography at 7 Tesla: How much gadolinium do we need?. <i>European Journal of Radiology</i> , 2017, 86, 76-82.	1.2	7
64	Non-enhanced versus low-dose contrast-enhanced renal magnetic resonance angiography at 7 T: a feasibility study. <i>Acta Radiologica</i> , 2018, 59, 296-304.	0.5	7
65	7-T clinical MRI of the shoulder in patients with suspected lesions of the rotator cuff. <i>European Radiology Experimental</i> , 2020, 4, 10.	1.7	7
66	Development and evaluation of a numerical simulation approach to predict metal artifacts from passive implants in MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 485-497.	1.1	6
67	Are Transversal MR Images Sufficient to Distinguish Persons with Mild Cognitive Impairment From Healthy Controls?. <i>Academic Radiology</i> , 2015, 22, 1172-1180.	1.3	4
68	In vivo MRI of the human torso at 7 Tesla using multi-channel transmit. , 2010, , .		0
69	A 4-channel RF coil based on a novel dipole-element with eigen-resonant shielding plate for 7-Tesla magnetic resonance imaging. , 2014, , .		0