Anna A Andreychenko

List of Publications by Year
in descending order

54	829	623574	580701
papers	citations	14	25
		h-index	g-index

57	57	57	1262
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	GABA and glutamate in schizophrenia: A 7ÂT 1H-MRS study. NeuroImage: Clinical, 2014, 6, 398-407.	1.4	129
2	Efficient spectral editing at 7 T: GABA detection with MEGAâ€sLASER. Magnetic Resonance in Medicine, 2012, 68, 1018-1025.	1.9	71
3	MosMedData: data set of 1110 chest CT scans performed during the COVID-19 epidemic. Digital Diagnostics, 2020, 1, 49-59.	0.3	66
4	Fiducial marker based intra-fraction motion assessment on cine-MR for MR-linac treatment of prostate cancer. Physics in Medicine and Biology, 2019, 64, 07NT02.	1.6	41
5	Improved efficiency on editing MRS of lactate and Î³â€aminobutyric acid by inclusion of frequency offset corrected inversion pulses at high fields. NMR in Biomedicine, 2013, 26, 1213-1219.	1.6	36
6	Highâ€resolution MRI of the carotid arteries using a leaky waveguide transmitter and a highâ€density receive array at 7 T. Magnetic Resonance in Medicine, 2013, 69, 1186-1193.	1.9	31
7	NMR at earthâ€™s magnetic field using para-hydrogen induced polarization. Journal of Magnetic Resonance, 2011, 212, 224-228.	1.2	29
8	Ceramic resonators for targeted clinical magnetic resonance imaging of the breast. Nature Communications, 2020, 11, 3840.	5.8	29
9	Soft-tissue prostate intrafraction motion tracking in 3D cine-MR for MR-guided radiotherapy. Physics in Medicine and Biology, 2019, 64, 235008.	1.6	26
10	*In vivo* GABA T_2 determination with *J*â€refocused echo time extension at 7 T. NMR in Biomedicine, 2013, 26, 1596-1601.	1.6	25
11	Coaxial waveguide for travelling wave MRI at ultrahigh fields. Magnetic Resonance in Medicine, 2013, 70, 875-884.	1.9	24
12	Thermal noise variance of a receive radiofrequency coil as a respiratory motion sensor. Magnetic Resonance in Medicine, 2017, 77, 221-228.	1.9	24
13	Improved RF performance of travelling wave MR with a high permittivity dielectric lining of the bore. Magnetic Resonance in Medicine, 2013, 70, 885-894.	1.9	16
14	Deep learningâ€based fully automatic segmentation of wrist cartilage in MR images. NMR in Biomedicine, 2020, 33, e4320.	1.6	16
15	Reference medical datasets (MosMedData) for independent external evaluation of algorithms based on artificial intelligence in diagnostics. Digital Diagnostics, 2021, 2, 49-66.	0.3	14
16	[19]â€‰F MRSI of capecitabine in the liver at 7â€‰T using broadband transmitâ€"receive antennas and dualâ€band RF pulses. NMR in Biomedicine, 2015, 28, 1433-1442.	1.6	13
17	Metamaterial inspired wireless coil for clinical breast imaging. Journal of Magnetic Resonance, 2021, 322, 106877.	1.2	13
18	Mobilizing the academic and practical potential of diagnostic radiology during the COVID-19 pandemic in Moscow. Digital Diagnostics, 2020, 1, 5-12.	0.3	10

#	ARTICLE	IF	CITATIONS
19	Improved steering of the RF field of traveling wave MR with a multimode, coaxial waveguide. Magnetic Resonance in Medicine, 2014, 71, 1641-1649.	1.9	9
20	Dielectric waveguides for ultrahigh field magnetic resonance imaging. Magnetic Resonance in Medicine, 2016, 76, 1314-1324.	1.9	8
21	The feasibility of semi-automatically generated red bone marrow segmentations based on MR-only for patients with gynecologic cancer. Radiotherapy and Oncology, 2017, 123, 164-168.	0.3	8
22	Coupled very-high permittivity dielectric resonators for clinical MRI. Applied Physics Letters, 2020, 117, .	1.5	8
23	Changes in software as a medical device based on artificial intelligence technologies. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 1969-1977.	1.7	8
24	The noise navigator: a surrogate for respiratory-correlated 4D-MRI for motion characterization in radiotherapy. Physics in Medicine and Biology, 2020, 65, 01NT02.	1.6	7
25	Prospective Respiration Detection in Magnetic Resonance Imaging by a Non-Interfering Noise Navigator. IEEE Transactions on Medical Imaging, 2018, 37, 1751-1760.	5.4	6
26	Respiratory motion model based on the noise covariance matrix of a receive array. Magnetic Resonance in Medicine, 2018, 79, 1730-1735.	1.9	6
27	How does artificial intelligence effect on the assessment of lung damage in COVID-19 on chest CT scan?. Digital Diagnostics, 2021, 2, 27-38.	0.3	6
28	Ultrahigh field magnetic resonance imaging: new frontiers and possibilities in human imaging. Physics-Uspekhi, 2019, 62, 1214-1232.	0.8	5
29	Volumetric wireless coil for wrist MRI at 1.5 T as a practical alternative to Tx/Rx extremity coil: a comparative study. Journal of Magnetic Resonance, 2022, 339, 107209.	1.2	5
30	An optimization framework to maximize signal‐to‐noise ratio in simultaneous multi‐slice body imaging. NMR in Biomedicine, 2016, 29, 275-283.	1.6	4
31	Understanding the physical relations governing the noise navigator. Magnetic Resonance in Medicine, 2019, 82, 2236-2247.	1.9	4
32	Facilitating standardized COVID-19 suspicion prediction based on computed tomography radiomics in a multi-demographic setting. European Radiology, 2022, 32, 6384-6396.	2.3	4
33	Comparative analysis of SINC-shaped and SLR pulses performance for contiguous multi-slice fast spin-echo imaging using metamaterial-based MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 929-938.	1.1	3
34	The role of mammography in breast cancer radiomics. Digital Diagnostics, 2021, 2, 185-199.	0.3	3
35	Magnetic Resonance Spectroscopy at 1.5 T with a Hybrid Metasurface. JETP Letters, 2018, 108, 423-427.	0.4	2
36	Volume metasolenoid-based coil for ^{23}Na MRI at 7 Tesla. Journal of Physics: Conference Series, 2020, 1461, 012056.	0.3	2

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37	Comparison of different wireless coils for 1.5 T bilateral breast MRI. Journal of Physics: Conference Series, 2021, 2015, 012116.	0.3	2
38	PO-0988: Automatic fiducial tracking on 4D cine-MRI for MR-guided prostate radiotherapy. Radiotherapy and Oncology, 2018, 127, S548-S549.	0.3	1
39	A Coaxial RF Applicator for Ultra-High Field Human MRI. IEEE Transactions on Biomedical Engineering, 2019, 66, 2848-2854.	2.5	1
40	The noise navigator for MRI-guided radiotherapy: an independent method to detect physiological motion. Physics in Medicine and Biology, 2020, 65, 12NT01.	1.6	1
41	Artificial Intelligence in Healthcare: Validating an AI Algorithm in Health Institutions in the COVID-19 Pandemic (a Use Case). Monitoring Obshchestvennogo Mneniya: Ekonomicheskie I Sotsial'nye Peremeny, 2021, , .	0.1	1
42	SU-E-J-07: A Functional MR Protocol for the Pancreatic Tumor Delineation. Medical Physics, 2014, 41, 155-156.	1.6	1
43	Benefits of a wireless metamaterial-based radiofrequency coil for clinical wrist MRI. AIP Conference Proceedings, 2020, , .	0.3	1
44	Feasibility of metasurface assisted magnetic resonance spectroscopy at 1.5 T. Journal of Physics: Conference Series, 2018, 1092, 012015.	0.3	0
45	Ceramic resonator as an alternative to the highly dense receive arrays in MRI. Journal of Physics: Conference Series, 2020, 1461, 012099.	0.3	0
46	Influence of the abdominal coil position in children magnetic resonance imaging. Journal of Physics: Conference Series, 2020, 1461, 012001.	0.3	0
47	High-amplitude radiofrequency pulses for metadevice-assisted MRI. Journal of Physics: Conference Series, 2020, 1461, 012019.	0.3	0
48	Surface coil based on a dielectric resonator tuned to the higher-order modes. Photonics and Nanostructures - Fundamentals and Applications, 2020, 41, 100803.	1.0	0
49	Polymer capsules modified with iron oxide nanoparticles as an effective platform for MRI visualization and drug delivery. Journal of Physics: Conference Series, 2020, 1461, 012037.	0.3	0
50	WE-G-18C-07: Accelerated Water/fat Separation in MRI for Radiotherapy Planning Using Multi-Band Imaging Techniques. Medical Physics, 2014, 41, 530-530.	1.6	0
51	MO-G-18C-08: Increasing Throughput of a Clinical MR Protocol for Prostate Cancer with a Factor of Two Using Multiband Imaging. Medical Physics, 2014, 41, 441-441.	1.6	0
52	Coupled ceramic resonators for clinical MRI applications. AIP Conference Proceedings, 2020, , .	0.3	0
53	Metamaterial inspired resonator for targeted breast MRI at 1.5 T.. AIP Conference Proceedings, 2020, , .	0.3	0
54	Reducing â€œslice cross-talkâ€•effect in metamaterial assisted fast spin-echo MRI. Journal of Physics: Conference Series, 2021, 2015, 012023.	0.3	0