

Anna A Andreychenko

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

829
citations

623188

14
h-index

580395

25
g-index

57
all docs

57
docs citations

57
times ranked

1262
citing authors

#	ARTICLE	IF	CITATIONS
1	Facilitating standardized COVID-19 suspicion prediction based on computed tomography radiomics in a multi-demographic setting. <i>European Radiology</i> , 2022, 32, 6384-6396.	2.3	4
2	Volumetric wireless coil for wrist MRI at 1.5 T as a practical alternative to Tx/Rx extremity coil: a comparative study. <i>Journal of Magnetic Resonance</i> , 2022, 339, 107209.	1.2	5
3	Changes in software as a medical device based on artificial intelligence technologies. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2022, 17, 1969-1977.	1.7	8
4	Metamaterial inspired wireless coil for clinical breast imaging. <i>Journal of Magnetic Resonance</i> , 2021, 322, 106877.	1.2	13
5	Artificial Intelligence in Healthcare: Validating an AI Algorithm in Health Institutions in the COVID-19 Pandemic (a Use Case). <i>Monitoring Obshchestvennogo Mneniya: Ekonomicheskie I Sotsial'nye Peremeny</i> , 2021, , .	0.1	1
6	How does artificial intelligence effect on the assessment of lung damage in COVID-19 on chest CT scan?. <i>Digital Diagnostics</i> , 2021, 2, 27-38.	0.3	6
7	Reference medical datasets (MosMedData) for independent external evaluation of algorithms based on artificial intelligence in diagnostics. <i>Digital Diagnostics</i> , 2021, 2, 49-66.	0.3	14
8	Comparative analysis of SINC-shaped and SLR pulses performance for contiguous multi-slice fast spin-echo imaging using metamaterial-based MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 929-938.	1.1	3
9	The role of mammography in breast cancer radiomics. <i>Digital Diagnostics</i> , 2021, 2, 185-199.	0.3	3
10	Comparison of different wireless coils for 1.5 T bilateral breast MRI. <i>Journal of Physics: Conference Series</i> , 2021, 2015, 012116.	0.3	2
11	Reducing "slice cross-talk" effect in metamaterial assisted fast spin-echo MRI. <i>Journal of Physics: Conference Series</i> , 2021, 2015, 012023.	0.3	0
12	The noise navigator: a surrogate for respiratory-correlated 4D-MRI for motion characterization in radiotherapy. <i>Physics in Medicine and Biology</i> , 2020, 65, 01NT02.	1.6	7
13	Volume metasolenoid-based coil for ²³ Na MRI at 7 Tesla. <i>Journal of Physics: Conference Series</i> , 2020, 1461, 012056.	0.3	2
14	Ceramic resonator as an alternative to the highly dense receive arrays in MRI. <i>Journal of Physics: Conference Series</i> , 2020, 1461, 012099.	0.3	0
15	Influence of the abdominal coil position in children magnetic resonance imaging. <i>Journal of Physics: Conference Series</i> , 2020, 1461, 012001.	0.3	0
16	High-amplitude radiofrequency pulses for metadvice-assisted MRI. <i>Journal of Physics: Conference Series</i> , 2020, 1461, 012019.	0.3	0
17	Coupled very-high permittivity dielectric resonators for clinical MRI. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	8
18	Ceramic resonators for targeted clinical magnetic resonance imaging of the breast. <i>Nature Communications</i> , 2020, 11, 3840.	5.8	29

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19	Deep learning-based fully automatic segmentation of wrist cartilage in MR images. NMR in Biomedicine, 2020, 33, e4320.	1.6	16
20	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
21	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
22	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
23	MosMedData: data set of 1110 chest CT scans performed during the COVID-19 epidemic. Digital Diagnostics, 2020, 1, 49-59.	0.3	66
24	Benefits of a wireless metamaterial-based radiofrequency coil for clinical wrist MRI. AIP Conference Proceedings, 2020, , .	0.3	1
25	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
26	Coupled ceramic resonators for clinical MRI applications. AIP Conference Proceedings, 2020, , .	0.3	0
27	Metamaterial inspired resonator for targeted breast MRI at 1.5 T.. AIP Conference Proceedings, 2020, , .	0.3	0
28	Understanding the physical relations governing the noise navigator. Magnetic Resonance in Medicine, 2019, 82, 2236-2247.	1.9	4
29	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
30	A Coaxial RF Applicator for Ultra-High Field Human MRI. IEEE Transactions on Biomedical Engineering, 2019, 66, 2848-2854.	2.5	1
31	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
32	Ultrahigh field magnetic resonance imaging: new frontiers and possibilities in human imaging. Physics-Uspexhi, 2019, 62, 1214-1232.	0.8	5
33	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
34	Respiratory motion model based on the noise covariance matrix of a receive array. Magnetic Resonance in Medicine, 2018, 79, 1730-1735.	1.9	6
35	Feasibility of metasurface assisted magnetic resonance spectroscopy at 1.5 T. Journal of Physics: Conference Series, 2018, 1092, 012015.	0.3	0
36	Magnetic Resonance Spectroscopy at 1.5 T with a Hybrid Metasurface. JETP Letters, 2018, 108, 423-427.	0.4	2

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37	PO-0988: Automatic fiducial tracking on 4D cine-MRI for MR-guided prostate radiotherapy. Radiotherapy and Oncology, 2018, 127, S548-S549.	0.3	1
38	Thermal noise variance of a receive radiofrequency coil as a respiratory motion sensor. Magnetic Resonance in Medicine, 2017, 77, 221-228.	1.9	24
39	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
40	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
41	Dielectric waveguides for ultrahigh field magnetic resonance imaging. Magnetic Resonance in Medicine, 2016, 76, 1314-1324.	1.9	8
42	¹⁹ F MRSI of capecitabine in the liver at 7T using broadband transmit-receive antennas and dual-band RF pulses. NMR in Biomedicine, 2015, 28, 1433-1442.	1.6	13
43	GABA and glutamate in schizophrenia: A 7T 1H-MRS study. NeuroImage: Clinical, 2014, 6, 398-407.	1.4	129
44	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
45	SU-EJ-07: A Functional MR Protocol for the Pancreatic Tumor Delineation. Medical Physics, 2014, 41, 155-156.	1.6	1
46	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
47	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
48	High-resolution MRI of the carotid arteries using a leaky waveguide transmitter and a high-density receive array at 7 T. Magnetic Resonance in Medicine, 2013, 69, 1186-1193.	1.9	31
49	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
50	Coaxial waveguide for travelling wave MRI at ultrahigh fields. Magnetic Resonance in Medicine, 2013, 70, 875-884.	1.9	24
51	Improved efficiency on editing MRS of lactate and ¹³ aminobutyric acid by inclusion of frequency offset corrected inversion pulses at high fields. NMR in Biomedicine, 2013, 26, 1213-1219.	1.6	36
52	<i>In vivo</i> GABA <i>T₂</i> determination with <i>J</i> -refocused echo time extension at 7 T. NMR in Biomedicine, 2013, 26, 1596-1601.	1.6	25
53	Efficient spectral editing at 7 T: GABA detection with MEGA-LASER. Magnetic Resonance in Medicine, 2012, 68, 1018-1025.	1.9	71
54	NMR at earth's magnetic field using para-hydrogen induced polarization. Journal of Magnetic Resonance, 2011, 212, 224-228.	1.2	29