

Andrea N Grant

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

3,663
citations

430874

18
h-index

434195

31
g-index

37
all docs

37
docs citations

37
times ranked

5298
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic field strength dependent SNR gain at the center of a spherical phantom and up to 11.7T. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 2131-2138.	3.0	21
2	Progress in Imaging the Human Torso at the Ultrahigh Fields of 7 and 10.5T. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2021, 29, e1-e19.	1.1	10
3	An 8-dipole transceive and 24-loop receive array for non-human primate head imaging at 10.5 T. <i>NMR in Biomedicine</i> , 2021, 34, e4472.	2.8	16
4	A self-decoupled 32-channel receive array for human brain MRI at 10.5 T. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1759-1772.	3.0	11
5	Comparison of 16-Channel Asymmetric Sleeve Antenna and Dipole Antenna Transceiver Arrays at 10.5 Tesla MRI. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1147-1156.	8.9	14
6	Electromagnetic Modeling of High-Channel Count Head Receiver Arrays for ultra-High Field MRI. , 2021, , .		0
7	In vivo human head MRI at 10.5T: A radiofrequency safety study and preliminary imaging results. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 484-496.	3.0	59
8	First in vivo human imaging at 10.5T: Imaging the body at 447 MHz. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 289-303.	3.0	53
9	10.5T MRI static field effects on human cognitive, vestibular, and physiological function. <i>Magnetic Resonance Imaging</i> , 2020, 73, 163-176.	1.8	23
10	Introduction of the snake antenna array: Geometry optimization of a sinusoidal dipole antenna for 10.5T body imaging with lower peak SAR. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2885-2896.	3.0	25
11	Functional Magnetic Resonance Imaging and Oculomotor Dysfunction in Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 1099-1105.	3.4	7
12	Evaluation of a 16-Channel Transmitter for Head Imaging at 10.5T. , 2019, , .		5
13	S83. IMPAIRED VISUAL CONTRAST PERCEPTION IN PSYCHOSIS. <i>Schizophrenia Bulletin</i> , 2019, 45, S339-S339.	4.3	0
14	Fragmented ambiguous objects: Stimuli with stable low-level features for object recognition tasks. <i>PLoS ONE</i> , 2019, 14, e0215306.	2.5	6
15	Brain imaging with improved acceleration and SNR at 7 Tesla obtained with 64-channel receive array. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 495-509.	3.0	53
16	A simple geometric analysis method for measuring and mitigating RF induced currents on Deep Brain Stimulation leads by multichannel transmission/reception. <i>NeuroImage</i> , 2019, 184, 658-668.	4.2	25
17	Altered macromolecular pattern and content in the aging human brain. <i>NMR in Biomedicine</i> , 2018, 31, e3865.	2.8	34
18	Hemifield columns co-opt ocular dominance column structure in human achiasma. <i>NeuroImage</i> , 2018, 164, 59-66.	4.2	16

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19	Region-specific aging of the human brain as evidenced by neurochemical profiles measured noninvasively in the posterior cingulate cortex and the occipital lobe using ¹ H magnetic resonance spectroscopy at 7 T. <i>Neuroscience</i> , 2017, 354, 168-177.	2.3	84
20	The effects of orientation and attention during surround suppression of small image features: A 7 Tesla fMRI study. <i>Journal of Vision</i> , 2016, 16, 19.	0.3	21
21	Transcranial focused ultrasound for BOLD fMRI signal modulation in humans. , 2016, 2016, 1758-1761.		41
22	A multi-data set comparison of the vertical structure of temperature variability and change over the Arctic during the past 100 years. <i>Climate Dynamics</i> , 2012, 39, 1577-1598.	3.8	31
23	The Twentieth Century Reanalysis Project. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2011, 137, 1-28.	2.7	2,785
24	The Comprehensive Historical Upper-Air Network. <i>Bulletin of the American Meteorological Society</i> , 2010, 91, 741-752.	3.3	76
25	Reconstruction of Global Monthly Upper-Level Temperature and Geopotential Height Fields Back to 1880. <i>Journal of Climate</i> , 2010, 23, 5590-5609.	3.2	23
26	A New Look at Radiosonde Data prior to 1958. <i>Journal of Climate</i> , 2009, 22, 3232-3247.	3.2	22
27	Variability of large-scale atmospheric circulation indices for the northern hemisphere during the past 100 years. <i>Meteorologische Zeitschrift</i> , 2009, 18, 379-396.	1.0	31
28	The early twentieth century warm period in the European Arctic. <i>Meteorologische Zeitschrift</i> , 2009, 18, 425-432.	1.0	31
29	Recent Arctic warming vertical structure contested. <i>Nature</i> , 2008, 455, E2-E3.	27.8	40
30	A Monthly Upper-Air Dataset for North America Back to 1922 from the Monthly Weather Review. <i>Monthly Weather Review</i> , 2008, 136, 1792-1805.	1.4	32
31	Dewpoint and Humidity Measurements and Trends at the Summit of Mount Washington, New Hampshire, 1935–2004. <i>Journal of Climate</i> , 2007, 20, 5629-5641.	3.2	20
32	Aerosol major ion record at Mount Washington. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	17
33	The 1935–2003 Air Temperature Record from the Summit of Mount Washington, New Hampshire. <i>Journal of Climate</i> , 2005, 18, 4445-4453.	3.2	24