

# 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	The Twentieth Century Reanalysis Project. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 1-28.	2.7	2,785
2	Region-specific aging of the human brain as evidenced by neurochemical profiles measured noninvasively in the posterior cingulate cortex and the occipital lobe using <sup>1</sup> H magnetic resonance spectroscopy at 7 T. Neuroscience, 2017, 354, 168-177.	2.3	84
3	The Comprehensive Historical Upper-Air Network. Bulletin of the American Meteorological Society, 2010, 91, 741-752.	3.3	76
4	In vivo human head MRI at 10.5T: A radiofrequency safety study and preliminary imaging results. Magnetic Resonance in Medicine, 2020, 84, 484-496.	3.0	59
5	Brain imaging with improved acceleration and SNR at 7 Tesla obtained with 64-channel receive array. Magnetic Resonance in Medicine, 2019, 82, 495-509.	3.0	53
6	First in vivo human imaging at 10.5T: Imaging the body at 447 MHz. Magnetic Resonance in Medicine, 2020, 84, 289-303.	3.0	53
7	Transcranial focused ultrasound for BOLD fMRI signal modulation in humans. , 2016, 2016, 1758-1761.		41
8	Recent Arctic warming vertical structure contested. Nature, 2008, 455, E2-E3.	27.8	40
9	Altered macromolecular pattern and content in the aging human brain. NMR in Biomedicine, 2018, 31, e3865.	2.8	34
10	A Monthly Upper-Air Dataset for North America Back to 1922 from the Monthly Weather Review. Monthly Weather Review, 2008, 136, 1792-1805.	1.4	32
11	Variability of large-scale atmospheric circulation indices for the northern hemisphere during the past 100 years. Meteorologische Zeitschrift, 2009, 18, 379-396.	1.0	31
12	The early twentieth century warm period in the European Arctic. Meteorologische Zeitschrift, 2009, 18, 425-432.	1.0	31
13	A multi-data set comparison of the vertical structure of temperature variability and change over the Arctic during the past 100 years. Climate Dynamics, 2012, 39, 1577-1598.	3.8	31
14	A simple geometric analysis method for measuring and mitigating RF induced currents on Deep Brain Stimulation leads by multichannel transmission/reception. NeuroImage, 2019, 184, 658-668.	4.2	25
15	Introduction of the snake antenna array: Geometry optimization of a sinusoidal dipole antenna for 10.5T body imaging with lower peak SAR. Magnetic Resonance in Medicine, 2020, 84, 2885-2896.	3.0	25
16	The 1935-2003 Air Temperature Record from the Summit of Mount Washington, New Hampshire. Journal of Climate, 2005, 18, 4445-4453.	3.2	24
17	Reconstruction of Global Monthly Upper-Level Temperature and Geopotential Height Fields Back to 1880. Journal of Climate, 2010, 23, 5590-5609.	3.2	23
18	10.5T MRI static field effects on human cognitive, vestibular, and physiological function. Magnetic Resonance Imaging, 2020, 73, 163-176.	1.8	23

#	ARTICLE	IF	CITATIONS
19	A New Look at Radiosonde Data prior to 1958. <i>Journal of Climate</i> , 2009, 22, 3232-3247.	3.2	22
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	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
22	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
23	Aerosol major ion record at Mount Washington. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	17
24	Hemifield columns co-opt ocular dominance column structure in human achiasma. <i>NeuroImage</i> , 2018, 164, 59-66.	4.2	16
25	An 8-dipole transmit 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
26	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
27	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
28	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
29	Functional Magnetic Resonance Imaging and Oculomotor Dysfunction in Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 1099-1105.	3.4	7
30	Fragmented ambiguous objects: Stimuli with stable low-level features for object recognition tasks. <i>PLoS ONE</i> , 2019, 14, e0215306.	2.5	6
31	Evaluation of a 16-Channel Transmitter for Head Imaging at 10.5T. , 2019, , .		5
32	S83. IMPAIRED VISUAL CONTRAST PERCEPTION IN PSYCHOSIS. <i>Schizophrenia Bulletin</i> , 2019, 45, S339-S339.	4.3	0
33	Electromagnetic Modeling of High-Channel Count Head Receiver Arrays for ultra-High Field MRI. , 2021, , .		0