

# Brandon D Armstrong

## List of Publications by Year in descending order

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14  
papers

731  
citations

840776

11  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

740  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overhauser-enhanced magnetic resonance elastography. <i>NMR in Biomedicine</i> , 2016, 29, 607-613.	2.8	9
2	High speed 3D overhauser-enhanced MRI using combined bSSFP and compressed sensing. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 735-745.	3.0	39
3	Temperature dependence of high field <sup>13</sup> C dynamic nuclear polarization processes with trityl radicals below 35 Kelvin. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15106.	2.8	26
4	Inductively coupled NMR probe for versatile dynamic nuclear polarization operation at 7 T: Observation of 61 ± 2% <sup>1</sup> H polarization at 4 K. <i>Journal of Magnetic Resonance</i> , 2012, 221, 5-10.	2.1	20
5	Site-Specific Hydration Dynamics in the Nonpolar Core of a Molten Globule by Dynamic Nuclear Polarization of Water. <i>Journal of the American Chemical Society</i> , 2011, 133, 5987-5995.	13.7	96
6	A 200 GHz dynamic nuclear polarization spectrometer. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5920.	2.8	45
7	Overhauser dynamic nuclear polarization and molecular dynamics simulations using pyrroline and piperidine ring nitroxide radicals. <i>Journal of Magnetic Resonance</i> , 2009, 200, 137-141.	2.1	21
8	Overhauser Dynamic Nuclear Polarization To Study Local Water Dynamics. <i>Journal of the American Chemical Society</i> , 2009, 131, 4641-4647.	13.7	152
9	Portable X-band system for solution state dynamic nuclear polarization. <i>Journal of Magnetic Resonance</i> , 2008, 191, 273-281.	2.1	64
10	Dynamic Nuclear Polarization Enhanced Nuclear Magnetic Resonance and Electron Spin Resonance Studies of Hydration and Local Water Dynamics in Micelle and Vesicle Assemblies. <i>Langmuir</i> , 2008, 24, 10062-10072.	3.5	43
11	Local Hydration Dynamics in Soft Matter by Dynamic Nuclear Polarization of [ <sup>sup 1</sup> ]H-Water. , 2008, , .		0
12	A new model for Overhauser enhanced nuclear magnetic resonance using nitroxide radicals. <i>Journal of Chemical Physics</i> , 2007, 127, 104508.	3.0	121
13	Hyperpolarized water as an authentic magnetic resonance imaging contrast agent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1754-1759.	7.1	94
14	Dynamic Nuclear Polarization-Enhanced Magnetic Resonance Analysis at X-Band Using Amplified <sup>1</sup> H Water Signal. , 0, , 161-176.		1