

Brandon D Armstrong

List of Publications by Year in descending order

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14
papers

731
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840776
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14
docs citations

14
times ranked

740
citing authors

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