

J A Jones

List of Publications by Year in descending order

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24
papers

2,386
citations

516561

16
h-index

642610

23
g-index

24
all docs

24
docs citations

24
times ranked

2796
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodynamic Radii of Native and Denatured Proteins Measured by Pulse Field Gradient NMR Techniques. <i>Biochemistry</i> , 1999, 38, 16424-16431.	1.2	886
2	Implementation of a quantum algorithm on a nuclear magnetic resonance quantum computer. <i>Journal of Chemical Physics</i> , 1998, 109, 1648-1653.	1.2	313
3	Structural and Dynamical Properties of a Denatured Protein. Heteronuclear 3D NMR Experiments and Theoretical Simulations of Lysozyme in 8 M Urea. <i>Biochemistry</i> , 1997, 36, 8977-8991.	1.2	296
4	The effects of guanidine hydrochloride on the 'random coil' conformations and NMR chemical shifts of the peptide series GGXGG. <i>Journal of Biomolecular NMR</i> , 1997, 10, 221-230.	1.6	96
5	Efficient Refocusing of One-Spin and Two-Spin Interactions for NMR Quantum Computation. <i>Journal of Magnetic Resonance</i> , 1999, 141, 322-325.	1.2	95
6	Independent Nucleation and Heterogeneous Assembly of Structure During Folding of Equine Lysozyme. <i>Journal of Molecular Biology</i> , 1999, 289, 1055-1073.	2.0	77
7	Structural and Dynamical Characterization of a Biologically Active Unfolded Fibronectin-Binding Protein from <i>Staphylococcus aureus</i> . <i>Biochemistry</i> , 1998, 37, 17054-17067.	1.2	75
8	Preparing High Purity Initial States for Nuclear Magnetic Resonance Quantum Computing. <i>Physical Review Letters</i> , 2004, 93, 040501.	2.9	74
9	Quantum Logic Gates and Nuclear Magnetic Resonance Pulse Sequences. <i>Journal of Magnetic Resonance</i> , 1998, 135, 353-360.	1.2	73
10	Use of composite rotations to correct systematic errors in NMR quantum computation. <i>New Journal of Physics</i> , 2000, 2, 6-6.	1.2	66
11	QUANTUM COMPUTING: Fast Searches with Nuclear Magnetic Resonance Computers. <i>Science</i> , 1998, 280, 229-229.	6.0	62
12	Oxidative folding intermediates with nonnative disulfide bridges between adjacent cysteine residues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5754-5759.	3.3	58
13	Detection of residue contacts in a protein folding intermediate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 7182-7185.	3.3	55
14	Approximate Quantum Counting on an NMR Ensemble Quantum Computer. <i>Physical Review Letters</i> , 1999, 83, 1050-1053.	2.9	51
15	Generation and interrogation of a pure nuclear spin state by parahydrogen-enhanced NMR spectroscopy: a defined initial state for quantum computation. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, 200-208.	1.1	31
16	Implementation of NMR quantum computation with parahydrogen-derived high-purity quantum states. <i>Physical Review A</i> , 2004, 70, .	1.0	25
17	Practical implementations of twirl operations. <i>Physical Review A</i> , 2005, 71, .	1.0	15
18	Geometric dephasing in zero-field magnetic resonance. <i>Journal of Chemical Physics</i> , 1997, 106, 3007-3016.	1.2	10

#	ARTICLE	IF	CITATIONS
19	Resonance Offset Tailored Composite Pulses. Journal of Magnetic Resonance, 2001, 148, 338-342.	1.2	10
20	Measurement and removal of splittings in NMR spectra by data processing. Concepts in Magnetic Resonance, 1996, 8, 175-189.	1.3	6
21	Single qubit gates with jump and return sequences. Physical Review A, 2006, 74, .	1.0	6
22	Drive-noise tolerant optical switching inspired by composite pulses. Optics Express, 2020, 28, 8646.	1.7	4
23	Sharing polarization within quantum subspaces. Physical Review A, 2006, 73, .	1.0	2
24	NMR Quantum Computation: A Critical Evaluation. , 2005, , 139-154.		0