

Sean E Barrett

List of Publications by Year in descending order

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citations

331670

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docs citations

34
times ranked

1347
citing authors

#	ARTICLE	IF	CITATIONS
1	Reaching the sparse-sampling limit for reconstructing a single peak in a 2D NMR spectrum using iterated maps. Journal of Biomolecular NMR, 2019, 73, 545-560.	2.8	3
2	Accelerating 2D NMR relaxation dispersion experiments using iterated maps. Journal of Biomolecular NMR, 2019, 73, 561-576.	2.8	5
3	P31 NMR study of discrete time-crystalline signatures in an ordered crystal of ammonium dihydrogen phosphate. Physical Review B, 2018, 97, .	3.2	56
4	Observation of Discrete-Time-Crystal Signatures in an Ordered Dipolar Many-Body System. Physical Review Letters, 2018, 120, 180603.	7.8	189
5	Accelerating multidimensional NMR and MRI experiments using iterated maps. Journal of Magnetic Resonance, 2013, 237, 100-109.	2.1	23
6	Phosphorus-31 MRI of hard and soft solids using quadratic echo line-narrowing. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5190-5195.	7.1	25
7	Intrinsic origin of spin echoes in dipolar solids generated by strong π pulses. Physical Review B, 2008, 77, .	3.2	35
8	Controlling Coherence Using the Internal Structure of Hard π Pulses. Physical Review Letters, 2008, 100, 247601.	7.8	18
9	Generating Unexpected Spin Echoes in Dipolar Solids with π Pulses. Physical Review Letters, 2007, 98, 190401.	7.8	35
10	Anomalies in the NMR of silicon: Unexpected spin echoes in a dilute dipolar solid. Physical Review B, 2003, 68, .	3.2	40
11	OPNMR – a local probe of spin physics. Solid State Communications, 2001, 119, 217-227.	1.9	10
12	Spectroscopic Evidence for the Localization of Skyrmions near $\nu=1$ as $T \rightarrow 0$. Physical Review Letters, 2001, 86, 5353-5356.	7.8	34
13	Optically Pumped NMR Studies of Electron Spin Polarization and Dynamics: New Constraints on the Composite Fermion Description of $\nu=1/2$. Physical Review Letters, 1999, 83, 5074-5077.	7.8	47
14	Ultraslow electron spin dynamics in the fractional quantum Hall regime. Physica B: Condensed Matter, 1998, 256-258, 121-124.	2.7	2
15	Optically pumped NMR in the quantum Hall regimes. Physica B: Condensed Matter, 1998, 256-258, 113-120.	2.7	6
16	Ultraslow Electron Spin Dynamics in GaAs Quantum Wells Probed by Optically Pumped NMR. , 1998, 281, 686-690.		71
17	Optically Pumped Nuclear Magnetic Resonance Measurements of the Electron Spin Polarization in GaAs Quantum Wells near Landau Level Filling Factor $\nu=13$. Physical Review Letters, 1998, 81, 673-676.	7.8	70
18	NMR measurement of the spin magnetization and spin dynamics in the quantum Hall regimes. Surface Science, 1996, 361-362, 261-266.	1.9	3

#	ARTICLE	IF	CITATIONS
19	Optically pumped nuclear magnetic resonance in the quantum Hall regimes. <i>Semiconductor Science and Technology</i> , 1996, 11, 1488-1492.	2.0	4
20	Optically Pumped NMR Evidence for Finite-Size Skyrmions in GaAs Quantum Wells near Landau Level Filling $\nu=1$. <i>Physical Review Letters</i> , 1995, 74, 5112-5115.	7.8	527
21	Electronic states in gallium arsenide quantum wells probed by optically pumped NMR. <i>Science</i> , 1995, 268, 1460-1463.	12.6	251
22	Nuclear-spin-lattice relaxation-rate measurements in YBa ₂ Cu ₃ O ₇ . <i>Physical Review B</i> , 1994, 50, 13645-13652.	3.2	26
23	Directly detected nuclear magnetic resonance of optically pumped GaAs quantum wells. <i>Physical Review Letters</i> , 1994, 72, 1368-1371.	7.8	172
24	NMR studies of the superconducting pairing state of YBa ₂ Cu ₃ O ₇ . <i>Journal of Physics and Chemistry of Solids</i> , 1993, 54, 1439-1445.	4.0	22
25	Magnetic-field dependence of planar copper and oxygen spin-lattice relaxation rates in the superconducting state of YBa ₂ Cu ₃ O ₇ . <i>Physical Review B</i> , 1993, 47, 9155-9157.	3.2	109
26	Molecular orientational dynamics in K ₃ C ₆₀ probed by two-dimensional nuclear magnetic resonance. <i>Physical Review Letters</i> , 1992, 69, 3754-3757.	7.8	54
27	Anisotropy and magnetic field dependence of the planar copper NMR spin-lattice relaxation rate in the superconducting state of YBa ₂ Cu ₃ O ₇ . <i>Physical Review Letters</i> , 1992, 68, 702-705.	7.8	101
28	Structural and electronic properties of sodium-intercalated C ₆₀ . <i>Nature</i> , 1992, 356, 416-418.	27.8	269
29	NMR studies of the superconducting state of copper oxide superconductors. <i>Applied Magnetic Resonance</i> , 1992, 3, 423-448.	1.2	16
30	NMR in the superconducting state of YBa ₂ Cu ₃ O ₇ . <i>Physica C: Superconductivity and Its Applications</i> , 1991, 185-189, 93-97.	1.2	4
31	Anomalous behavior of nuclear spin-lattice relaxation rates in YBa ₂ Cu ₃ O ₇ below T _c . <i>Physical Review Letters</i> , 1991, 66, 108-111.	7.8	153
32	⁶³ Cu Knight shifts in the superconducting state of YBa ₂ Cu ₃ O ₇ ($T_c=90$ K). <i>Physical Review B</i> , 1990, 41, 6283-6296.	3.2	330
33	Experimental search for dynamic current oscillations in the quantum Hall effect. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1987, 123, 311-312.	2.1	0