

# Sean E Barrett

## List of Publications by Year in descending order

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33  
papers

2,711  
citations

331670

21  
h-index

434195

31  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1347  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optically Pumped NMR Evidence for Finite-Size Skyrmions in GaAs Quantum Wells near Landau Level Filling $\nu=1$ . Physical Review Letters, 1995, 74, 5112-5115.	7.8	527
2	$^{63}\text{Cu}$ Knight shifts in the superconducting state of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ ( $T_c=90$ K). Physical Review B, 1990, 41, 6283-6296.	3.2	330
3	Structural and electronic properties of sodium-intercalated $\text{C}_{60}$ . Nature, 1992, 356, 416-418.	27.8	269
4	Electronic states in gallium arsenide quantum wells probed by optically pumped NMR. Science, 1995, 268, 1460-1463.	12.6	251
5	Observation of Discrete-Time-Crystal Signatures in an Ordered Dipolar Many-Body System. Physical Review Letters, 2018, 120, 180603.	7.8	189
6	Directly detected nuclear magnetic resonance of optically pumped GaAs quantum wells. Physical Review Letters, 1994, 72, 1368-1371.	7.8	172
7	Anomalous behavior of nuclear spin-lattice relaxation rates in $\text{YBa}_2\text{Cu}_3\text{O}_7$ below $T_c$ . Physical Review Letters, 1991, 66, 108-111.	7.8	153
8	Magnetic-field dependence of planar copper and oxygen spin-lattice relaxation rates in the superconducting state of $\text{YBa}_2\text{Cu}_3\text{O}_7$ . Physical Review B, 1993, 47, 9155-9157.	3.2	109
9	Anisotropy and magnetic field dependence of the planar copper NMR spin-lattice relaxation rate in the superconducting state of $\text{YBa}_2\text{Cu}_3\text{O}_7$ . Physical Review Letters, 1992, 68, 702-705.	7.8	101
10	Ultraslow Electron Spin Dynamics in GaAs Quantum Wells Probed by Optically Pumped NMR. , 1998, 281, 686-690.		71
11	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
12	$^{31}\text{P}$ NMR study of discrete time-crystalline signatures in an ordered crystal of ammonium dihydrogen phosphate. Physical Review B, 2018, 97, .	3.2	56
13	Molecular orientational dynamics in $\text{K}_3\text{C}_{60}$ probed by two-dimensional nuclear magnetic resonance. Physical Review Letters, 1992, 69, 3754-3757.	7.8	54
14	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
15	Anomalies in the NMR of silicon: Unexpected spin echoes in a dilute dipolar solid. Physical Review B, 2003, 68, .	3.2	40
16	Generating Unexpected Spin Echoes in Dipolar Solids with $\pi$ -Pulses. Physical Review Letters, 2007, 98, 190401.	7.8	35
17	Intrinsic origin of spin echoes in dipolar solids generated by strong $\pi$ -pulses. Physical Review B, 2008, 77, .	3.2	35
18	Spectroscopic Evidence for the Localization of Skyrmions near $\nu=1$ as $T \rightarrow 0$ . Physical Review Letters, 2001, 86, 5353-5356.	7.8	34

#	ARTICLE	IF	CITATIONS
19	Nuclear-spin-lattice relaxation-rate measurements in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . Physical Review B, 1994, 50, 13645-13652.	3.2	26
20	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
21	Accelerating multidimensional NMR and MRI experiments using iterated maps. Journal of Magnetic Resonance, 2013, 237, 100-109.	2.1	23
22	NMR studies of the superconducting pairing state of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . Journal of Physics and Chemistry of Solids, 1993, 54, 1439-1445.	4.0	22
23	Controlling Coherence Using the Internal Structure of Hard Pulses. Physical Review Letters, 2008, 100, 247601.	7.8	18
24	NMR studies of the superconducting state of copper oxide superconductors. Applied Magnetic Resonance, 1992, 3, 423-448.	1.2	16
25	OPNMR – a local probe of spin physics. Solid State Communications, 2001, 119, 217-227.	1.9	10
26	Optically pumped NMR in the quantum Hall regimes. Physica B: Condensed Matter, 1998, 256-258, 113-120.	2.7	6
27	Accelerating 2D NMR relaxation dispersion experiments using iterated maps. Journal of Biomolecular NMR, 2019, 73, 561-576.	2.8	5
28	NMR in the superconducting state of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . Physica C: Superconductivity and Its Applications, 1991, 185-189, 93-97.	1.2	4
29	Optically pumped nuclear magnetic resonance in the quantum Hall regimes. Semiconductor Science and Technology, 1996, 11, 1488-1492.	2.0	4
30	NMR measurement of the spin magnetization and spin dynamics in the quantum Hall regimes. Surface Science, 1996, 361-362, 261-266.	1.9	3
31	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
32	Ultraslow electron spin dynamics in the fractional quantum Hall regime. Physica B: Condensed Matter, 1998, 256-258, 121-124.	2.7	2
33	Experimental search for dynamic current oscillations in the quantum hall effect. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 123, 311-312.	2.1	0