

Alan T Dorsey

List of Publications by Year in descending order

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34
papers

2,258
citations

377584

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445137

33
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34
all docs

34
docs citations

34
times ranked

1232
citing authors

#	ARTICLE	IF	CITATIONS
1	Squeezing Superfluid from a Stone: Coupling Superfluidity and Elasticity in a Supersolid. Physical Review Letters, 2006, 96, 055301.	2.9	43
2	Anisotropic States of Two-Dimensional Electrons in High Magnetic Fields. Physical Review Letters, 2006, 96, 196802.	2.9	17
3	Static and dynamic properties of crystalline phases of two-dimensional electrons in a strong magnetic field. Physical Review B, 2006, 73, .	1.1	9
4	“Fingered” Patterns in Electron Droplets in Nonuniform Magnetic Fields. Physical Review Letters, 2003, 90, 196802.	2.9	0
5	Theory of Quantum Hall Nematics. Physical Review Letters, 2002, 88, 216802.	2.9	48
6	Observability of Quantum Phase Fluctuations in Cuprate Superconductors. Physical Review Letters, 2001, 86, 3875-3878.	2.9	34
7	Disclination unbinding transition in quantum Hall liquid crystals. Physical Review B, 2001, 64, .	1.1	60
8	Geometry spawns vortices. Nature, 2000, 408, 783-785.	13.7	10
9	Critical scaling of the ac conductivity for a superconductor above T_c . Physical Review B, 2000, 61, 6945-6957.	1.1	17
10	Solitons on the Edge of a Two-Dimensional Electron System. Physical Review Letters, 1999, 82, 620-623.	2.9	14
11	Effect of phase fluctuations on the single-particle properties of underdoped cuprates. Physical Review B, 1999, 59, 6438-6448.	1.1	86
12	Contour dynamics, waves, and solitons in the quantum Hall effect. Physical Review B, 1999, 60, 10971-10983.	1.1	16
13	Goldstein and Dorsey Reply:. Physical Review Letters, 1998, 81, 5036-5036.	2.9	3
14	Nucleation and growth of the superconducting phase in the presence of a current. Physical Review B, 1998, 57, 5432-5443.	1.1	9
15	Shapes of flux domains in the intermediate state of type-I superconductors. Physical Review B, 1998, 57, 3058-3072.	1.1	50
16	Velocity Selection for Propagating Fronts in Superconductors. Physical Review Letters, 1996, 77, 4442-4445.	2.9	31
17	Superheating fields of superconductors: Asymptotic analysis and numerical results. Physical Review B, 1996, 53, 5650-5660.	1.1	34
18	Current-Loop Model for the Intermediate State of Type-I Superconductors. Physical Review Letters, 1996, 76, 3818-3821.	2.9	40

#	ARTICLE	IF	CITATIONS
19	Self-consistent microscopic theory of surface superconductivity. Physical Review B, 1995, 51, 11728-11732.	1.1	15
20	Linear response of thin superconductors in perpendicular magnetic fields: An asymptotic analysis. Physical Review B, 1995, 51, 15329-15343.	1.1	15
21	Nonlocal conductivity in type-II superconductors. Physical Review B, 1995, 51, 6575-6587.	1.1	17
22	Surface tension and kinetic coefficient for the normal/superconducting interface: Numerical results versus asymptotic analysis. Physical Review B, 1994, 50, 15961-15966.	1.1	11
23	Transport properties and fluctuations in type-II superconductors near H_{c2} . Physical Review B, 1993, 47, 2715-2724.	1.1	68
24	Vortex motion and the Hall effect in type-II superconductors: A time-dependent Ginzburg-Landau theory approach. Physical Review B, 1992, 46, 8376-8392.	1.1	291
25	Hall effect near the vortex-glass transition in high-temperature superconductors. Physical Review Letters, 1992, 68, 694-697.	2.9	105
26	Dynamics of the normal to vortex-glass transition: Mean-field theory and fluctuations. Physical Review B, 1992, 45, 523-526.	1.1	57
27	Flux dynamics and the growth of the superconducting phase. Physical Review Letters, 1991, 66, 3067-3070.	2.9	110
28	Linear and nonlinear conductivity of a superconductor near T_c . Physical Review B, 1991, 43, 7575-7585.	1.1	98
29	Effect of fluctuations on the transport properties of type-II superconductors in a magnetic field. Physical Review B, 1991, 44, 262-273.	1.1	385
30	Critical fluctuations in high-temperature superconductors and the Ettingshausen effect. Physical Review Letters, 1990, 65, 2066-2069.	2.9	219
31	Local density of states of an isolated vortex in an extreme type-II superconductor. Physical Review B, 1990, 42, 9950-9956.	1.1	30
32	Density of states in a vortex core and the zero-bias tunneling peak. Physical Review Letters, 1989, 62, 3089-3092.	2.9	123
33	Truncation scheme for double-well systems with Ohmic dissipation. Physical Review A, 1986, 33, 1117-1121.	1.0	49
34	Dissipative Quantum Tunneling in a Biased Double-Well System at Finite Temperatures. Physical Review Letters, 1985, 54, 1609-1612.	2.9	144