

Alexander L Fetter

List of Publications by Year in descending order

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54
papers

3,531
citations

186209

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docs citations

54
times ranked

1494
citing authors

#	ARTICLE	IF	CITATIONS
1	Superfluid vortex dynamics on an ellipsoid and other surfaces of revolution. <i>Physical Review A</i> , 2022, 105, .	1.0	13
2	Dynamics of massive point vortices in a binary mixture of Bose-Einstein condensates. <i>Physical Review A</i> , 2021, 103, .	1.0	28
3	Superfluid vortex dynamics on a spherical film. <i>Physical Review A</i> , 2021, 103, .	1.0	26
4	Superfluid vortex dynamics on a torus and other toroidal surfaces of revolution. <i>Physical Review A</i> , 2020, 101, .	1.0	9
5	Superfluid vortex dynamics on planar sectors and cones. <i>Physical Review A</i> , 2019, 99, .	1.0	7
6	Vortex dynamics in coherently coupled Bose-Einstein condensates. <i>Physical Review A</i> , 2017, 95, .	1.0	30
7	Quantized superfluid vortex dynamics on cylindrical surfaces and planar annuli. <i>Physical Review A</i> , 2017, 96, .	1.0	21
8	Vortex Dynamics in a Spin-Orbit-Coupled Bose-Einstein Condensate. <i>Journal of Low Temperature Physics</i> , 2015, 180, 37-52.	0.6	5
9	Vortex dynamics in spin-orbit-coupled Bose-Einstein condensates. <i>Physical Review A</i> , 2014, 89, .	1.0	59
10	Vortices and Dynamics in Trapped Bose-Einstein Condensates. <i>Journal of Low Temperature Physics</i> , 2010, 161, 445-459.	0.6	32
11	Bose-Einstein condensate in a rapidly rotating nonsymmetric trap. <i>Physical Review A</i> , 2010, 81, .	1.0	5
12	Rotating trapped Bose-Einstein condensates. <i>Reviews of Modern Physics</i> , 2009, 81, 647-691.	16.4	885
13	Rotating trapped Bose-Einstein condensates. <i>Laser Physics</i> , 2008, 18, 1-11.	0.6	34
14	Rotating trapped Bose-Einstein condensates. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	2
15	Lowest-Landau-level description of a Bose-Einstein condensate in a rapidly rotating anisotropic trap. <i>Physical Review A</i> , 2007, 75, .	1.0	36
16	Motion of a vortex line near the boundary of a semi-infinite uniform condensate. <i>Physical Review A</i> , 2006, 74, .	1.0	22
17	Rapid rotation of a Bose-Einstein condensate in a harmonic plus quartic trap. <i>Physical Review A</i> , 2005, 71, .	1.0	100
18	Dynamics of rapidly rotating Bose-Einstein condensates in a harmonic plus quartic trap. <i>Physical Review A</i> , 2005, 72, .	1.0	33

#	ARTICLE	IF	CITATIONS
19	Kelvin mode of a vortex in a nonuniform Bose-Einstein condensate. <i>Physical Review A</i> , 2004, 69, .	1.0	46
20	Dynamics of a single ring of vortices in two-dimensional trapped Bose-Einstein condensates. <i>Physical Review A</i> , 2004, 70, .	1.0	30
21	Vortices in rotating trapped dilute Bose-Einstein condensates. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 404, 158-165.	0.6	8
22	Oscillations of a rapidly rotating annular Bose-Einstein condensate. <i>Physical Review A</i> , 2003, 68, .	1.0	8
23	Bose-Einstein Condensates in Dilute Trapped Atomic Gases. <i>Journal of Low Temperature Physics</i> , 2002, 129, 263-321.	0.6	22
24	Vortices in a trapped dilute Bose-Einstein condensate. <i>Journal of Physics Condensed Matter</i> , 2001, 13, R135-R194.	0.7	427
25	Anomalous Modes Drive Vortex Dynamics in Confined Bose-Einstein Condensates. <i>Physical Review Letters</i> , 2001, 86, 564-567.	2.9	86
26	Vortex stabilization in a small rotating asymmetric Bose-Einstein condensate. <i>Physical Review A</i> , 2001, 64, .	1.0	38
27	Rotating vortex lattice in a Bose-Einstein condensate trapped in combined quadratic and quartic radial potentials. <i>Physical Review A</i> , 2001, 64, .	1.0	138
28	Small-amplitude normal modes of a vortex in a trapped Bose-Einstein condensate. <i>Physical Review A</i> , 2000, 61, .	1.0	19
29	Dynamics of a vortex in a trapped Bose-Einstein condensate. <i>Physical Review A</i> , 2000, 62, .	1.0	117
30	Stability of a Vortex in a Trapped Bose-Einstein Condensate. <i>Physical Review Letters</i> , 2000, 84, 5919-5923.	2.9	141
31	Stability of a vortex in a small trapped Bose-Einstein condensate. <i>Physical Review A</i> , 1999, 60, 4910-4917.	1.0	41
32	DILUTE BOSE-EINSTEIN CONDENSATE IN A TRAP: CHARACTERISTIC LENGTHS AND CRITICAL VELOCITIES. <i>International Journal of Modern Physics B</i> , 1999, 13, 643-649.	1.0	3
33	Vortex Stability in a Trapped Bose Condensate. <i>Journal of Low Temperature Physics</i> , 1998, 113, 189-194.	0.6	55
34	Normal modes of a vortex in a trapped Bose-Einstein condensate. <i>Physical Review A</i> , 1998, 58, 3168-3179.	1.0	89
35	Variational study of dilute Bose condensate in a harmonic trap. <i>Journal of Low Temperature Physics</i> , 1997, 106, 643-652.	0.6	48
36	Ground state and excited states of a trapped dilute condensed Bose gas. <i>European Physical Journal D</i> , 1996, 46, 3063-3069.	0.4	3

#	ARTICLE	IF	CITATIONS
37	Excited states of a static dilute spherical Bose condensate in a trap. European Physical Journal D, 1996, 46, 547-548.	0.4	0
38	Ground state and excited states of a confined condensed Bose gas. Physical Review A, 1996, 53, 4245-4249.	1.0	127
39	Anyons and Anyon Superconductivity. , 1995, , .		1
40	Precessing textural kinks induced by superflow in $^3\text{He-A}$. Journal of Low Temperature Physics, 1988, 70, 499-514.	0.6	8
41	Superfluid density and critical current of ^3He in confined geometries. Journal of Low Temperature Physics, 1988, 70, 515-535.	0.6	45
42	Textures in $^3\text{He-A}$: Magnetic deformation in a narrow slab. Journal of Low Temperature Physics, 1987, 67, 17-25.	0.6	3
43	Chapter 1: Vortices in Rotating Superfluid ^3He . Progress in Low Temperature Physics, 1986, 10, 1-72.	0.2	5
44	Normal mode solutions for absorbing boundary conditions. Geophysical Research Letters, 1985, 12, 145-148.	1.5	6
45	What can NMR say about textures in $^3\text{He-A}$?. AIP Conference Proceedings, 1983, , .	0.3	0
46	Mixtures of Bose liquids at finite temperature. Journal of Low Temperature Physics, 1978, 33, 231-242.	0.6	54
47	Vortex nucleation in deformed rotating cylinders. Journal of Low Temperature Physics, 1974, 16, 533-555.	0.6	46
48	Nonuniform states of an imperfect bose gas. Annals of Physics, 1972, 70, 67-101.	1.0	255
49	Light scattering in liquid helium. Journal of Low Temperature Physics, 1972, 6, 487-504.	0.6	21
50	Elastic Filaments and Vortex Waves. Physical Review A, 1971, 4, 2305-2308.	1.0	6
51	Low-Lying Superfluid States in a Rotating Annulus. Physical Review, 1967, 153, 285-296.	2.7	71
52	Quantum Theory of Superfluid Vortices. I. Liquid Helium II. Physical Review, 1967, 162, 143-153.	2.7	117
53	Vortices in an Imperfect Bose Gas. IV. Translational Velocity. Physical Review, 1966, 151, 100-104.	2.7	75
54	Equilibrium Distribution of Rectilinear Vortices in a Rotating Container. Physical Review, 1966, 152, 183-189.	2.7	25