Andrew Casey

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3351388/publications.pdf

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29	533	687363 13	642732 23
papers	citations	h-index	g-index

29	29	29	314
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evidence for a Mott-Hubbard Transition in a Two-DimensionalHe3Fluid Monolayer. Physical Review Letters, 2003, 90, 115301.	7.8	108
2	Phase Diagram of the Topological Superfluid ³ He Confined in a Nanoscale Slab Geometry. Science, 2013, 340, 841-844.	12.6	77
3	Surface-Induced Order Parameter Distortion in Superfluid<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>He</mml:mi><mml:mprescripts /><mml:none /><mml:mn>3</mml:mn></mml:mmultiscripts><mml:mtext	7.8	34
4	Evidence for a Spatially Modulated Superfluid Phase of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>He</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> under Confinement. Physical Review Letters, 2019, 122, 085301.	7.8	34
5	Strongly Correlated Two Dimensional Fluid 3He. Journal of Low Temperature Physics, 1998, 113, 293-298.	1.4	33
6	Superfluid 3He Confined to a Single 0.6 Micron Slab Stability and Properties of the A-Like Phase Near theÂWeak Coupling Limit. Journal of Low Temperature Physics, 2010, 158, 163-169.	1.4	22
7	Interfacial Friction of ThinHe3Slabs in the Knudsen Limit. Physical Review Letters, 2004, 92, 255301.	7.8	21
8	A microkelvin cryogen-free experimental platform with integrated noise thermometry. New Journal of Physics, 2013, 15, 113034.	2.9	21
9	Primary current-sensing noise thermometry in the millikelvin regime. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150054.	3.4	21
10	Current Sensing Noise Thermometry: A Fast Practical Solution to Low Temperature Measurement. Journal of Low Temperature Physics, 2014, 175, 764.	1.4	19
11	Fragility of surface states in topological superfluid 3He. Nature Communications, 2021, 12, 1574.	12.8	18
12	Anodically bonded submicron microfluidic chambers. Review of Scientific Instruments, 2010, 81, 013907.	1.3	16
13	Study of Superfluid ^{3} 3 He Under Nanoscale Confinement. Journal of Low Temperature Physics, 2014, 175, 667-680.	1.4	15
14	Nuclear Magnetism of Two Dimensional Solid 3He Adsorbed on Plated Graphite. Journal of Low Temperature Physics, 1998, 113, 265-270.	1.4	13
15	A nuclear magnetic resonance spectrometer for operation around 1MHz with a sub-10-mK noise temperature, based on a two-stage dc superconducting quantum interference device sensor. Applied Physics Letters, 2007, 91, .	3.3	13
16	Nuclear magnetic resonance on room temperature samples in nanotesla fields using a two-stage dc superconducting quantum interference device sensor. Applied Physics Letters, 2007, 91, 142501.	3.3	11
17	New Evaluation of $$T-T_{2000}$$ T - T 2000 from 0.02ÂK to 1ÂK by Independent Thermodynamic Methods. International Journal of Thermophysics, 2016, 37, 1.	2.1	10
18	Fabrication of microfluidic cavities using Si-to-glass anodic bonding. Review of Scientific Instruments, 2018, 89, 073902.	1.3	10

#	Article	IF	Citations
19	Two-Dimensional Ferromagnetism of aHe3Film: Influence of Weak Frustration. Physical Review Letters, 2013, 111, 125302.	7.8	9
20	Pulsed Nuclear Magnetic Resonance on 3He Adsorbed on Bare and 4He Preplated MCM-41 Using DC SQUID Detection. Journal of Low Temperature Physics, 2010, 158, 213-219.	1.4	8
21	Cooling low-dimensional electron systems into the microkelvin regime. Nature Communications, 2022, 13, 667.	12.8	7
22	Decoupling of Confined Normal 3He. Journal of Low Temperature Physics, 2010, 158, 155-158.	1.4	6
23	Observation of NMR Signals from a Thin 3He Slab. Journal of Low Temperature Physics, 2002, 126, 79-84.	1.4	2
24	Micro-coil detection of nuclear magnetic resonance for nanofluidic samples. AIP Advances, 2014, 4, .	1.3	2
25	Comment on â€œStabilized Pair Density Wave via Nanoscale Confinement of Superfluid <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>He</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> â€•. Physical Review Letters, 2020, 125, 059601.	7.8	2
26	European Dissemination of the Ultra-low Temperature Scale, PLTS-2000. AIP Conference Proceedings, 2003, , .	0.4	1
27	Ferromagnetism of 2D Solid3He Investigated by SQUID NMR. Journal of Low Temperature Physics, 2004, 134, 649-654.	1.4	0
28	Studies of Superfluid 3He Confined to a Regular Submicron Slab Geometry, Using SQUID NMR. AIP Conference Proceedings, 2006, , .	0.4	0
29	Transport in Mesoscopic 3He Films on Rough Surfaces. Journal of Low Temperature Physics, 2010, 158, 220-225.	1.4	0