

# Andrew Casey

## List of Publications by Year in descending order

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papers

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687363

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docs citations

29

times ranked

314

citing authors

#	ARTICLE	IF	CITATIONS
1	Cooling low-dimensional electron systems into the microkelvin regime. <i>Nature Communications</i> , 2022, 13, 667.	12.8	7
2	Fragility of surface states in topological superfluid $^3\text{He}$ . <i>Nature Communications</i> , 2021, 12, 1574.	12.8	18
3	Comment on "Stabilized Pair Density Wave via Nanoscale Confinement of Superfluid $\text{He}$ ". Evidence for a Spatially Modulated Superfluid Phase of $\text{He}$ . <i>Physical Review Letters</i> , 2019, 122, 085301.	7.8	2
4	Evidence for a Spatially Modulated Superfluid Phase of $\text{He}$ . <i>Physical Review Letters</i> , 2019, 122, 085301.	7.8	34
5	Fabrication of microfluidic cavities using Si-to-glass anodic bonding. <i>Review of Scientific Instruments</i> , 2018, 89, 073902.	1.3	10
6	Primary current-sensing noise thermometry in the millikelvin regime. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150054.	3.4	21
7	New Evaluation of $T - T_{\text{2000}}$ from 0.02 K to 1 K by Independent Thermodynamic Methods. <i>International Journal of Thermophysics</i> , 2016, 37, 1.	2.1	10
8	Micro-coil detection of nuclear magnetic resonance for nanofluidic samples. <i>AIP Advances</i> , 2014, 4, .	1.3	2
9	Study of Superfluid $^3\text{He}$ Under Nanoscale Confinement. <i>Journal of Low Temperature Physics</i> , 2014, 175, 667-680.	1.4	15
10	Current Sensing Noise Thermometry: A Fast Practical Solution to Low Temperature Measurement. <i>Journal of Low Temperature Physics</i> , 2014, 175, 764.	1.4	19
11	Two-Dimensional Ferromagnetism of a $\text{He}^3$ Film: Influence of Weak Frustration. <i>Physical Review Letters</i> , 2013, 111, 125302.	7.8	9
12	Phase Diagram of the Topological Superfluid $^3\text{He}$ Confined in a Nanoscale Slab Geometry. <i>Science</i> , 2013, 340, 841-844.	12.6	77
13	A microkelvin cryogen-free experimental platform with integrated noise thermometry. <i>New Journal of Physics</i> , 2013, 15, 113034.	2.9	21
14	Surface-Induced Order Parameter Distortion in Superfluid $\text{He}$ . <i>Physical Review Letters</i> , 2013, 111, 235304.	7.8	34
15	Pulsed Nuclear Magnetic Resonance on $^3\text{He}$ Adsorbed on Bare and $^4\text{He}$ Preplated MCM-41 Using DC SQUID Detection. <i>Journal of Low Temperature Physics</i> , 2010, 158, 213-219.	1.4	8
16	Transport in Mesoscopic $^3\text{He}$ Films on Rough Surfaces. <i>Journal of Low Temperature Physics</i> , 2010, 158, 220-225.	1.4	0
17	Decoupling of Confined Normal $^3\text{He}$ . <i>Journal of Low Temperature Physics</i> , 2010, 158, 155-158.	1.4	6
18	Superfluid $^3\text{He}$ Confined to a Single 0.6 Micron Slab Stability and Properties of the A-Like Phase Near the Weak Coupling Limit. <i>Journal of Low Temperature Physics</i> , 2010, 158, 163-169.	1.4	22

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19	Anodically bonded submicron microfluidic chambers. <i>Review of Scientific Instruments</i> , 2010, 81, 013907.	1.3	16
20	Nuclear magnetic resonance on room temperature samples in nanotesla fields using a two-stage dc superconducting quantum interference device sensor. <i>Applied Physics Letters</i> , 2007, 91, 142501.	3.3	11
21	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. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	13
22	Studies of Superfluid 3He Confined to a Regular Submicron Slab Geometry, Using SQUID NMR. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	0
23	Interfacial Friction of ThinHe3Slabs in the Knudsen Limit. <i>Physical Review Letters</i> , 2004, 92, 255301.	7.8	21
24	Ferromagnetism of 2D Solid3He Investigated by SQUID NMR. <i>Journal of Low Temperature Physics</i> , 2004, 134, 649-654.	1.4	0
25	Evidence for a Mott-Hubbard Transition in a Two-DimensionalHe3Fluid Monolayer. <i>Physical Review Letters</i> , 2003, 90, 115301.	7.8	108
26	European Dissemination of the Ultra-low Temperature Scale, PLTS-2000. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	1
27	Observation of NMR Signals from a Thin 3He Slab. <i>Journal of Low Temperature Physics</i> , 2002, 126, 79-84.	1.4	2
28	Nuclear Magnetism of Two Dimensional Solid 3He Adsorbed on Plated Graphite. <i>Journal of Low Temperature Physics</i> , 1998, 113, 265-270.	1.4	13
29	Strongly Correlated Two Dimensional Fluid 3He. <i>Journal of Low Temperature Physics</i> , 1998, 113, 293-298.	1.4	33