

Paul M Walmsley

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Dissipation of Quantum Turbulence in the Zero Temperature Limit. Physical Review Letters, 2007, 99, 265302. | 2.9 | 145 |
| 2 | Quantum and Quasiclassical Types of Superfluid Turbulence. Physical Review Letters, 2008, 100, 245301. | 2.9 | 129 |
| 3 | Excimer Tracers of Quantum Turbulence in Superfluid ^4He . Physical Review Letters, 2007, 99, 265302. | 2.9 | 52 |
| 4 | Dynamics of quantum turbulence of different spectra. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4691-4698. | 3.3 | 39 |
| 5 | Chirality of Superfluid ^4He Turbulence. Physical Review Letters, 2015, 115, 155303. | 2.9 | 32 |
| 6 | Dissipation of Quasiclassical Turbulence in Superfluid ^4He . Physical Review Letters, 2015, 115, 155303. | 2.9 | 29 |
| 7 | Homogeneous Turbulence in Superfluid ^4He in the Low-Temperature Limit: Experimental Progress. Journal of Low Temperature Physics, 2009, 156, 51-70. | 0.6 | 24 |
| 8 | Turbulent Dynamics in Rotating Helium Superfluids. Progress in Low Temperature Physics, 2009, 16, 45-146. | 0.2 | 18 |
| 9 | Reconnections of Quantized Vortex Rings in Superfluid ^4He at Very Low Temperatures. Physical Review Letters, 2014, 113, 125302. | 2.9 | 18 |
| 10 | Decay of Turbulence Generated by Spin-Down to Rest in Superfluid ^4He . Journal of Low Temperature Physics, 2008, 153, 127-139. | 0.6 | 17 |
| 11 | Critical Velocity of Continuous Vortex Nucleation in a Slab of Superfluid $^3\text{He-A}$. Physical Review Letters, 2003, 91, 225301. | 2.9 | 16 |
| 12 | Coexistence of Quantum and Classical Flows in Quantum Turbulence in the $T \rightarrow 0$ Limit. Physical Review Letters, 2017, 118, 134501. | 2.9 | 16 |
| 13 | Intrinsic Pinning of Vorticity by Domain Walls of $^3\text{He-A}$ Texture in Superfluid $^3\text{He-A}$. Physical Review Letters, 2004, 93, 195301. | 2.9 | 14 |
| 14 | Detection of Vortices in Superfluid ^4He in the $T=0$ Limit Using Charged Vortex Rings. Journal of Low Temperature Physics, 2007, 146, 511-523. | 0.6 | 12 |
| 15 | Observation of Crossover from Ballistic to Diffusion Regime for Excimer Molecules in Superfluid ^4He . Journal of Low Temperature Physics, 2013, 171, 207-213. | 0.6 | 11 |
| 16 | Rotating quantum turbulence in superfluid ^4He in the $T \rightarrow 0$ limit. Physical Review B, 2012, 86, . | 1.1 | 10 |
| 17 | Interactions between unidirectional quantized vortex rings. Physical Review Fluids, 2016, 1, . | 1.0 | 10 |
| 18 | Charged Tangles of Quantized Vortices in Superfluid ^4He . Journal of Low Temperature Physics, 2010, 161, 509-525. | 0.6 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Experiments on the Vortex Dynamics in Superfluid 4He with no Normal Component. Journal of Low Temperature Physics, 2007, 148, 317-321. | 0.6 | 8 |
| 20 | Turbulent vortex flow responses at the AB interface in rotating superfluid 3He-B. Physical Review B, 2011, 84, . | 1.1 | 7 |
| 21 | Experiments on the Dynamics of Vortices in Superfluid 4He with No Normal Component. Journal of Low Temperature Physics, 2006, 145, 143-154. | 0.6 | 6 |
| 22 | No Effect of Steady Rotation on Solid ^4He in a Torsional Oscillator. Journal of Low Temperature Physics, 2016, 183, 106-112. | 0.6 | 5 |
| 23 | A field-emission source of charges based on nanotubes for low-temperature experiments. Instruments and Experimental Techniques, 2014, 57, 755-759. | 0.1 | 4 |
| 24 | Design of a Rotating Cryostat to Minimise Vibrational Heating. Journal of Low Temperature Physics, 2004, 134, 419-424. | 0.6 | 3 |
| 25 | A compact rotating dilution refrigerator. Review of Scientific Instruments, 2013, 84, 103905. | 0.6 | 3 |
| 26 | Torsional oscillator studies of rotating $^3\text{He-A}$ in a slab. Physica B: Condensed Matter, 2003, 329-333, 68-69. | 1.3 | 2 |
| 27 | Nanotube-based source of charges for experiments with solid helium at low temperatures. Low Temperature Physics, 2015, 41, 567-570. | 0.2 | 2 |
| 28 | Trapping of Vorticity by $\pi/2$ -textures in $^3\text{He-A}$. Journal of Low Temperature Physics, 2005, 138, 595-600. | 0.6 | 1 |
| 29 | Quantized Vortex Rings and Loop Solitons. Journal of Low Temperature Physics, 2020, 201, 11-17. | 0.6 | 1 |
| 30 | Effect of orbital ferromagnetism on textures in a slab of $^3\text{He-A}$. Physica B: Condensed Matter, 2003, 329-333, 82-83. | 1.3 | 0 |
| 31 | Textural Transitions in a Rotating Slab of $^3\text{He-A}$. Journal of Low Temperature Physics, 2004, 134, 363-368. | 0.6 | 0 |
| 32 | Nucleation and pinning of continuous vortices in superfluid $^3\text{He-A}$. Journal of Physics and Chemistry of Solids, 2005, 66, 1339-1343. | 1.9 | 0 |
| 33 | Low Temperature Dielectric Constant of Kapton Coated with a Layer of Vacuum Grease. AIP Conference Proceedings, 2006, , . | 0.3 | 0 |