

# Yoonseok Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

191  
citations

1307594

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1125743

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23  
all docs

23  
docs citations

23  
times ranked

128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comb-drive micro-electro-mechanical systems oscillators for low temperature experiments. Review of Scientific Instruments, 2013, 84, 025003.	1.3	34
2	Anomalous Damping of a Microelectromechanical Oscillator in Superfluid $^3\text{He}$ -B. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> display="inline" $\langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{He} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -B. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> display="inline" $\langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{He} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \hat{a}^? \langle \text{mml:mtext} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{B} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ . Physical Review Letters, 2017, 118, 065301.	7.8	25
3	Unusual Behavior of a MEMS Resonator in Superfluid $^4\text{He}$ . Journal of Low Temperature Physics, 2013, 171, 200-206.	7.8	17
4	Characterization of MEMS Devices for the Study of Superfluid Helium Films. Journal of Low Temperature Physics, 2011, 162, 661-668.	1.4	13
5	Temperature dependence of viscosity in normal fluid $^3\text{He}$ below 800 mK determined by a microelectromechanical oscillator. Physical Review B, 2016, 94, .	3.2	12
6	Damping of a microelectromechanical oscillator in turbulent superfluid $^4\text{He}$ : A probe of quantized vorticity in the ultralow temperature regime. Physical Review B, 2020, 101, .	3.2	9
7	Analysis of the “Push-pull” Capacitance Bridge Circuit for Comb-Drive Micro-electro-mechanical Oscillators. Journal of Low Temperature Physics, 2016, 183, 313-319.	1.4	8
8	Anomalous Resonance Frequency Shift of a Microelectromechanical Oscillator in Superfluid $^3\text{He}$ -B. Journal of Low Temperature Physics, 2017, 187, 309-323.	1.4	8
9	Recent Progress and New Challenges in Quantum Fluids and Solids. Journal of Low Temperature Physics, 2017, 189, 1-14.	1.4	8
10	Magnetic field induced quantum phase transition of the $S=12$ antiferromagnet $\text{K}_2\text{NaCrO}_8$ . Physical Review B, 2010, 81, .	3.2	7
11	The Effect of Remnant Vortices in He II on Multiple Modes of a Micro-electromechanical Resonator. Journal of Low Temperature Physics, 2019, 196, 177-183.	1.4	6
12	Damping of a Micro-electromechanical Resonator in the Presence of Quantum Turbulence Generated by a Quartz Tuning Fork. Journal of Low Temperature Physics, 2020, 201, 4-10.	1.4	5
13	Development of a Spatially Resolved $^3\text{He}$ Quasi-Particle Detector. Journal of Low Temperature Physics, 2016, 183, 307-312.	1.4	4
14	A Study on Parametric Amplification in a Piezoelectric MEMS Device. Micromachines, 2019, 10, 19.	2.9	4
15	Optimization of atomically smooth and metallic surface of $\text{SrTiO}_3$ . Journal of Applied Physics, 2017, 121, .	2.5	4
16	Acoustic Properties of Normal Liquid $^3\text{He}$ in 98% Aerogel. Journal of Low Temperature Physics, 2007, 148, 609-613.	1.4	3
17	Effect of Strong Magnetic Fields on Superfluid $^3\text{He}$ in 98% Porosity Aerogel. Journal of Low Temperature Physics, 2005, 138, 107-115.	1.4	2

#	ARTICLE	IF	CITATIONS
19	Kapton Capacitance Thermometry at Low Temperatures and in High Magnetic Fields. Journal of Low Temperature Physics, 2007, 148, 899-902.	1.4	2
20	Absolute Ultrasound Attenuation Measurements in Superfluid $^3\text{He}$ in 98% Aerogel by Direct Transmission. Journal of Low Temperature Physics, 2007, 148, 565-572.	1.4	2
21	Determining the source of phase noise: Response of a driven Duffing oscillator to low-frequency damping and resonance frequency fluctuations. Physica D: Nonlinear Phenomena, 2021, 427, 132999.	2.8	2
22	Transverse Acoustic Spectroscopy of Superfluid $^3\text{He}$ in Compressed Aerogel. Journal of Low Temperature Physics, 2010, 158, 176-181.	1.4	1
23	Magnetic Field Dependence of the A-like to B-like Transition of Superfluid $^3\text{He}$ in Aerogel. Journal of Low Temperature Physics, 2010, 158, 170-175.	1.4	0