

# Yoonseok Lee

## List of Publications by Year in descending order

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23  
papers

191  
citations

1307594

7  
h-index

1125743

13  
g-index

23  
all docs

23  
docs citations

23  
times ranked

128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determining the source of phase noise: Response of a driven Duffing oscillator to low-frequency damping and resonance frequency fluctuations. <i>Physica D: Nonlinear Phenomena</i> , 2021, 427, 132999.	2.8	2
2	Damping of a Micro-electromechanical Resonator in the Presence of Quantum Turbulence Generated by a Quartz Tuning Fork. <i>Journal of Low Temperature Physics</i> , 2020, 201, 4-10.	1.4	5
3	Damping of a microelectromechanical oscillator in turbulent superfluid $^4\text{He}$ : A probe of quantized vorticity in the ultralow temperature regime. <i>Physical Review B</i> , 2020, 101, .	3.2	9
4	The Effect of Remnant Vortices in He II on Multiple Modes of a Micro-electromechanical Resonator. <i>Journal of Low Temperature Physics</i> , 2019, 196, 177-183.	1.4	6
5	A Study on Parametric Amplification in a Piezoelectric MEMS Device. <i>Micromachines</i> , 2019, 10, 19.	2.9	4
6	Anomalous Resonance Frequency Shift of a Microelectromechanical Oscillator in Superfluid $^3\text{He-B}$ . <i>Journal of Low Temperature Physics</i> , 2017, 187, 309-323.	1.4	8
7	Recent Progress and New Challenges in Quantum Fluids and Solids. <i>Journal of Low Temperature Physics</i> , 2017, 189, 1-14.	1.4	8
8	Critical Velocity in the Presence of Surface Bound States in Superfluid $^3\text{He-B}$ . <i>Physical Review Letters</i> , 2017, 118, 065301.	7.8	17
9	Optimization of atomically smooth and metallic surface of SrTiO <sub>3</sub> . <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	4
10	Analysis of the "Push-pull" Capacitance Bridge Circuit for Comb-Drive Micro-electro-mechanical Oscillators. <i>Journal of Low Temperature Physics</i> , 2016, 183, 313-319.	1.4	8
11	Temperature dependence of viscosity in normal fluid $^3\text{He}$ below 800 mK determined by a microelectromechanical oscillator. <i>Physical Review B</i> , 2016, 94, .	3.2	12
12	Anomalous Damping of a Microelectromechanical Oscillator in Superfluid $^3\text{He-B}$ . <i>Physical Review Letters</i> , 2016, 117, 195301.	7.8	25
13	Development of a Spatially Resolved $^3\text{He}$ Quasi-Particle Detector. <i>Journal of Low Temperature Physics</i> , 2016, 183, 307-312.	1.4	4
14	Unusual Behavior of a MEMS Resonator in Superfluid $^4\text{He}$ . <i>Journal of Low Temperature Physics</i> , 2013, 171, 200-206.	1.4	15
15	Comb-drive micro-electro-mechanical systems oscillators for low temperature experiments. <i>Review of Scientific Instruments</i> , 2013, 84, 025003.	1.3	34
16	Characterization of MEMS Devices for the Study of Superfluid Helium Films. <i>Journal of Low Temperature Physics</i> , 2011, 162, 661-668.	1.4	13
17	Transverse Acoustic Spectroscopy of Superfluid $^3\text{He}$ in Compressed Aerogel. <i>Journal of Low Temperature Physics</i> , 2010, 158, 176-181.	1.4	1
18	Magnetic Field Dependence of the A-like to B-like Transition of Superfluid $^3\text{He}$ in Aerogel. <i>Journal of Low Temperature Physics</i> , 2010, 158, 170-175.	1.4	0

#	ARTICLE	IF	CITATIONS
19	Magnetic field induced quantum phase transition of the $S=12$ antiferromagnet $K_2NaCrO_8$ . Physical Review B, 2010, 81, .	3.2	7
20	Kapton Capacitance Thermometry at Low Temperatures and in High Magnetic Fields. Journal of Low Temperature Physics, 2007, 148, 899-902.	1.4	2
21	Absolute Ultrasound Attenuation Measurements in Superfluid $^3He$ in 98% Aerogel by Direct Transmission. Journal of Low Temperature Physics, 2007, 148, 565-572.	1.4	2
22	Acoustic Properties of Normal Liquid $^3He$ in 98% Aerogel. Journal of Low Temperature Physics, 2007, 148, 609-613.	1.4	3
23	Effect of Strong Magnetic Fields on Superfluid $^3He$ in 98% Porosity Aerogel. Journal of Low Temperature Physics, 2005, 138, 107-115.	1.4	2