

# Peter Taborek

## List of Publications by Year in descending order

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49  
papers

1,467  
citations

393982

19  
h-index

315357

38  
g-index

49  
all docs

49  
docs citations

49  
times ranked

692  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spreading of Normal Liquid Helium Drops. Physical Review E, 2020, 102, 043105.	0.8	0
2	Thin Films of Quantum Fluids: History, Phase Transitions, and Wetting. Journal of Low Temperature Physics, 2020, 201, 585-614.	0.6	0
3	Jet breakup in superfluid and normal liquid $^4\text{He}$ . Physical Review Fluids, 2020, 5, .	1.0	9
4	Impact and lifecycle of superfluid helium drops on a solid surface. Physical Review Fluids, 2020, 5, .	1.0	1
5	X-ray Laser Wakefield Acceleration in a Nanotube. , 2020, , .		0
6	X-ray laser wakefield acceleration in a nanotube. International Journal of Modern Physics A, 2019, 34, 1943011.	0.5	3
7	Wakefield in solid state plasma with the ionic lattice force. Physics of Plasmas, 2018, 25, .	0.7	16
8	A hybrid resistive pulse-optical detection platform for microfluidic experiments. Scientific Reports, 2017, 7, 10173.	1.6	13
9	Quartz Tuning Fork Pressure Gauge for High-Pressure Liquid Helium. Journal of Low Temperature Physics, 2017, 186, 93-105.	0.6	1
10	Pressure driven flow of superfluid $^4\text{He}$ through a nanopipe. Physical Review Fluids, 2016, 1, .	1.0	4
11	Partial coalescence from bubbles to drops. Journal of Fluid Mechanics, 2015, 782, 209-239.	1.4	36
12	Taborek Replies:. Physical Review Letters, 2015, 114, 039602.	2.9	0
13	Flow and evaporation in single micrometer and nanometer scale pipes. Applied Physics Letters, 2014, 105, .	1.5	4
14	Quartz Tuning Forks as Cryogenic Vacuum Gauges. Journal of Low Temperature Physics, 2014, 177, 226-239.	0.6	3
15	Wetting Transition in Water. Physical Review Letters, 2013, 111, 226101.	2.9	52
16	Pinch-off dynamics in foams, emulsions and suspensions. Soft Matter, 2012, 8, 6767.	1.2	38
17	Pressure-driven flow through a single nanopore. Physical Review E, 2012, 86, 025302.	0.8	29
18	Friction of molybdenum disulfide/titanium films under cryogenic vacuum conditions. Tribology International, 2011, 44, 1819-1826.	3.0	27

#	ARTICLE	IF	CITATIONS
19	A continuous $^3\text{He}$ cryostat with pulse-tube pre-cooling and optical access. <i>Cryogenics</i> , 2011, 51, 209-213.	0.9	6
20	Cryogenic vacuum tribology of diamond and diamond-like carbon films. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	18
21	Wetting, Prewetting and Superfluidity. <i>Journal of Low Temperature Physics</i> , 2009, 157, 101-110.	0.6	8
22	Helium Adsorption on Lithium Substrates. <i>Journal of Low Temperature Physics</i> , 2008, 150, 1-11.	0.6	17
23	Two-dimensional inviscid pinch-off: An example of self-similarity of the second kind. <i>Physics of Fluids</i> , 2007, 19, 102109.	1.6	27
24	Fluid pinch-off in superfluid and normal $\text{He}^4$ . <i>Physical Review E</i> , 2007, 75, 036311.	0.8	17
25	Temperature dependence of friction under cryogenic conditions in vacuum. <i>Tribology Letters</i> , 2006, 23, 131-137.	1.2	37
26	Superfluid transitions and capillary condensation in porous media. <i>Physical Review B</i> , 2006, 74, .	1.1	14
27	Ellipsometry of Liquid Helium Films on Gold, Cesium, and Graphite. <i>Journal of Low Temperature Physics</i> , 2005, 138, 995-1011.	0.6	18
28	A low drift high resolution cryogenic null ellipsometer. <i>Review of Scientific Instruments</i> , 2004, 75, 5005-5009.	0.6	16
29	Superfluid Drops: Dynamics of Pinch-Off and Sliding Motion. <i>Journal of Low Temperature Physics</i> , 2004, 134, 237-243.	0.6	5
30	Supercooling Helium Vapor: Nucleation and Fog Formation Induced by Strong Evaporation. <i>Journal of Low Temperature Physics</i> , 2004, 134, 275-280.	0.6	0
31	Ellipsometric Study of Superfluid Onset in Thin Liquid $^4\text{He}$ Films. <i>Journal of Low Temperature Physics</i> , 2004, 134, 303-308.	0.6	1
32	Amorphous carbon films deposited from carbon ions extracted from a discharge in fullerene vapor. <i>Journal of Applied Physics</i> , 2000, 87, 4223-4229.	1.1	16
33	Contact Angle of Superfluid Helium Droplets on a Cesium Surface. <i>Journal of Low Temperature Physics</i> , 1998, 111, 1-10.	0.6	25
34	Direct Optical Imaging of Superfluid $^4\text{He}$ Droplets on a Cesium Surface. <i>Journal of Low Temperature Physics</i> , 1998, 113, 811-816.	0.6	19
35	Experimental Survey of Wetting and Superfluid Onset of $^4\text{He}$ on Alkali Metal Surfaces. <i>Journal of Low Temperature Physics</i> , 1998, 113, 829-834.	0.6	27
36	Superfluid onset and prewetting of $^4\text{He}$ on rubidium. <i>Physical Review B</i> , 1998, 58, 3361-3370.	1.1	46

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37	Wetting near Triple Points. Physical Review Letters, 1998, 80, 129-132.	2.9	18
38	Wetting behavior of H <sub>2</sub> on cesium. Physical Review B, 1998, 58, R4274-R4276.	1.1	42
39	Superfluid Droplets on a Solid Surface. Science, 1997, 278, 664-666.	6.0	53
40	Adsorption of <sup>3</sup> He on cesium. Journal of Low Temperature Physics, 1997, 106, 81-92.	0.6	70
41	Non diffusive mobility of solid hydrogen films. Journal of Low Temperature Physics, 1996, 103, 301-311.	0.6	6
42	Triple Point Dewetting Transitions of Helium Mixtures on Cesium. Physical Review Letters, 1996, 76, 2350-2353.	2.9	65
43	Bound States of <sup>3</sup> He at the Helium-Cesium Interface. Physical Review Letters, 1995, 74, 4483-4486.	2.9	80
44	Matching the resistivity of Si:Nb thin film thermometers to the experimental temperature range. Review of Scientific Instruments, 1995, 66, 5367-5368.	0.6	3
45	Adsorption of <sup>3</sup> He on cesium surfaces. Journal of Low Temperature Physics, 1994, 95, 405-411.	0.6	14
46	Tuning the wetting transition: Prewetting and superfluidity of He <sub>4</sub> on thin cesium substrates. Physical Review Letters, 1993, 71, 263-266.	2.9	110
47	Novel wetting behavior of <sup>4</sup> He on cesium. Physical Review Letters, 1992, 68, 2184-2187.	2.9	121
48	Prewetting phase diagram of He <sub>4</sub> on cesium. Physical Review Letters, 1992, 69, 937-940.	2.9	279
49	Anomalous nucleation at first-order wetting transitions. Physical Review B, 1992, 46, 7312-7314.	1.1	53