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	Prewetting phase diagram ofHe4on cesium. Physical Review Letters, 1992, 69, 937-940.	2.9	279
2	Novel wetting behavior of ^{4}He on cesium. Physical Review Letters, 1992, 68, 2184-2187.	2.9	121
3	Tuning the wetting transition: Prewetting and superfluidity ofHe4on thin cesium substrates. Physical Review Letters, 1993, 71, 263-266.	2.9	110
4	Bound States of3He at the Helium-Cesium Interface. Physical Review Letters, 1995, 74, 4483-4486.	2.9	80
5	Adsorption of3He on cesium. Journal of Low Temperature Physics, 1997, 106, 81-92.	0.6	70
6	Triple Point Dewetting Transitions of Helium Mixtures on Cesium. Physical Review Letters, 1996, 76, 2350-2353.	2.9	65
7	Anomalous nucleation at first-order wetting transitions. Physical Review B, 1992, 46, 7312-7314.	1.1	53
8	Superfluid Droplets on a Solid Surface. Science, 1997, 278, 664-666.	6.0	53
9	Wetting Transition in Water. Physical Review Letters, 2013, 111, 226101.	2.9	52
10	Superfluid onset and prewetting of4Heon rubidium. Physical Review B, 1998, 58, 3361-3370.	1.1	46
11	Wetting behavior ofH2on cesium. Physical Review B, 1998, 58, R4274-R4276.	1.1	42
12	Pinch-off dynamics in foams, emulsions and suspensions. Soft Matter, 2012, 8, 6767.	1.2	38
13	Temperature dependence of friction under cryogenic conditions in vacuum. Tribology Letters, 2006, 23, 131-137.	1.2	37
14	Partial coalescence from bubbles to drops. Journal of Fluid Mechanics, 2015, 782, 209-239.	1.4	36
15	Pressure-driven flow through a single nanopore. Physical Review E, 2012, 86, 025302.	0.8	29
16	Experimental Survey of Wetting and Superfluid Onset of 4He on Alkali Metal Surfaces. Journal of Low Temperature Physics, 1998, 113, 829-834.	0.6	27
17	Two-dimensional inviscid pinch-off: An example of self-similarity of the second kind. Physics of Fluids, 2007, 19, 102109.	1.6	27
18	Friction of molybdenum disulfideâ€“titanium films under cryogenic vacuum conditions. Tribology International, 2011, 44, 1819-1826.	3.0	27

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19	Contact Angle of Superfluid Helium Droplets on a Cesium Surface. Journal of Low Temperature Physics, 1998, 111, 1-10.	0.6	25
20	Direct Optical Imaging of Superfluid 4He Droplets on a Cesium Surface. Journal of Low Temperature Physics, 1998, 113, 811-816.	0.6	19
21	Wetting near Triple Points. Physical Review Letters, 1998, 80, 129-132.	2.9	18
22	Ellipsometry of Liquid Helium Films on Gold, Cesium, and Graphite. Journal of Low Temperature Physics, 2005, 138, 995-1011.	0.6	18
23	Cryogenic vacuum tribology of diamond and diamond-like carbon films. Journal of Applied Physics, 2009, 106, .	1.1	18
24	Fluid pinch-off in superfluid and normalHe4. Physical Review E, 2007, 75, 036311.	0.8	17
25	Helium Adsorption on Lithium Substrates. Journal of Low Temperature Physics, 2008, 150, 1-11.	0.6	17
26	Amorphous carbon films deposited from carbon ions extracted from a discharge in fullerene vapor. Journal of Applied Physics, 2000, 87, 4223-4229.	1.1	16
27	A low drift high resolution cryogenic null ellipsometer. Review of Scientific Instruments, 2004, 75, 5005-5009.	0.6	16
28	Wakefield in solid state plasma with the ionic lattice force. Physics of Plasmas, 2018, 25, .	0.7	16
29	Adsorption of3He on cesium surfaces. Journal of Low Temperature Physics, 1994, 95, 405-411.	0.6	14
30	Superfluid transitions and capillary condensation in porous media. Physical Review B, 2006, 74, .	1.1	14
31	A hybrid resistive pulse-optical detection platform for microfluidic experiments. Scientific Reports, 2017, 7, 10173.	1.6	13
32	Jet breakup in superfluid and normal liquid <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>He</mml:mi><mml:mprescripts /><mml:none /><mml:mn>4</mml:mn></mml:mmultiscripts></mml:math>. Physical Review Fluids, 2020, 5, .	1.0	9
33	Wetting, Prewetting and Superfluidity. Journal of Low Temperature Physics, 2009, 157, 101-110.	0.6	8
34	Non diffusive mobility of solid hydrogen films. Journal of Low Temperature Physics, 1996, 103, 301-311.	0.6	6
35	A continuous 3He cryostat with pulse-tube pre-cooling and optical access. Cryogenics, 2011, 51, 209-213.	0.9	6
36	Superfluid Drops: Dynamics of Pinch-Off and Sliding Motion. Journal of Low Temperature Physics, 2004, 134, 237-243.	0.6	5

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37	Flow and evaporation in single micrometer and nanometer scale pipes. Applied Physics Letters, 2014, 105, .	1.5	4
38	Pressure driven flow of superfluidHe4through a nanopipe. Physical Review Fluids, 2016, 1, .	1.0	4
39	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
40	Quartz Tuning Forks as Cryogenic Vacuum Gauges. Journal of Low Temperature Physics, 2014, 177, 226-239.	0.6	3
41	X-ray laser wakefield acceleration in a nanotube. International Journal of Modern Physics A, 2019, 34, 1943011.	0.5	3
42	Ellipsometric Study of Superfluid Onset in Thin Liquid4Helium Films. Journal of Low Temperature Physics, 2004, 134, 303-308.	0.6	1
43	Quartz Tuning Fork Pressure Gauge for High-Pressure Liquid Helium. Journal of Low Temperature Physics, 2017, 186, 93-105.	0.6	1
44	Impact and lifecycle of superfluid helium drops on a solid surface. Physical Review Fluids, 2020, 5, .	1.0	1
45	Supercooling Helium Vapor: Nucleation and Fog Formation Induced by Strong Evaporation. Journal of Low Temperature Physics, 2004, 134, 275-280.	0.6	0
46	Taborek Replies:. Physical Review Letters, 2015, 114, 039602.	2.9	0
47	Spreading of Normal Liquid Helium Drops. Physical Review E, 2020, 102, 043105.	0.8	0
48	Thin Films of Quantum Fluids: History, Phase Transitions, and Wetting. Journal of Low Temperature Physics, 2020, 201, 585-614.	0.6	0
49	X-ray Laser Wakefield Acceleration in a Nanotube. , 2020, , .		0