

Vladimir Tsymbalenko

List of Publications by Year in descending order

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22
citing authors

#	ARTICLE	IF	CITATIONS
1	A possible observation of quantum nucleation in superfluid He4 near crystallization. Journal of Low Temperature Physics, 1992, 88, 55-71.	1.4	42
2	Kinetics of the Crystal 4He Growth at High Overpressurizations. Journal of Low Temperature Physics, 2000, 121, 53-79.	1.4	32
3	The instability of the surface of helium crystal in a superfluid flow. Journal of Experimental and Theoretical Physics, 2002, 95, 455-461.	0.9	15
4	Decay of the anomalous state of a 4He crystal. Journal of Experimental and Theoretical Physics, 2004, 99, 1214-1222.	0.9	14
5	Rayleigh-Taylor instability of crystallization waves at the superfluid-solid interface. $H^4 e^{-\epsilon}$ Physical Review E, 2009, 79, 051606.	2.1	13
6	Amazing growth of helium crystal facets. Physics-Uspexhi, 2015, 58, 1059-1073.	2.2	12
7	Quantum Crystal Oscillations in a Superfluid Liquid. Journal of Low Temperature Physics, 2013, 171, 21-29.	1.4	11
8	The kinetics of the anomalous state formation and the growth of helium crystals at high supersaturation. Journal of Experimental and Theoretical Physics, 2001, 92, 1024-1034.	0.9	10
9	Thermal effects in the anomalous growth of helium crystals. Journal of Experimental and Theoretical Physics, 2006, 103, 869-875.	0.9	5
10	Hydrodynamic Instability During Non-uniform Growth of a Helium Crystal. Journal of Low Temperature Physics, 2011, 162, 391-398.	1.4	5
11	The Effect of the Interphase Kinetics on the Motion of a Quantum Crystal in Superfluid Liquid. Journal of Low Temperature Physics, 2019, 195, 153-164.	1.4	5
12	Kinematic multiplication of elementary steps on the surface of helium crystals. Journal of Experimental and Theoretical Physics, 2006, 103, 278-291.	0.9	4
13	Observation of the "Burst-Like Growth" Mode on 4He Crystals Nucleated in a Metastable Liquid. JETP Letters, 2021, 113, 30-33.	1.4	4
14	Kinetics of crystal growth in superfluid helium at high temperatures. Journal of Experimental and Theoretical Physics, 1998, 87, 714-722.	0.9	3
15	Anomaly of the internal friction in the helium crystals grown in the burstlike growth mode. Journal of Experimental and Theoretical Physics, 2014, 119, 700-706.	0.9	3
16	Dynamics of a ^4He Quantum Crystal in the Superfluid Liquid. Journal of Low Temperature Physics, 2020, 201, 526-537.	1.4	2
17	Growth kinetics of 4He crystal with a low ^3He impurity concentration. Low Temperature Physics, 1997, 23, 464-467.	0.6	1
18	New Method for Measuring the Rotation Inertia of a Single 4He Crystal. Journal of Low Temperature Physics, 2008, 152, 47-55.	1.4	1

#	ARTICLE	IF	CITATIONS
19	A digital oscillation-amplitude stabilizer. Instruments and Experimental Techniques, 2009, 52, 430-432.	0.5	1
20	A communication interface of instrumentation modules and a SIM900 crate. Instruments and Experimental Techniques, 2010, 53, 84-85.	0.5	1
21	Effect of the Phase Boundary Kinetics of a Helium Crystal on Motion in a Superfluid Liquid. Journal of Low Temperature Physics, 2022, 208, 316-323.	1.4	1
22	Observation of a Jump-Like Transition from Fast to Normal Kinetics of Facets for Free-Growing Helium Crystals. Journal of Low Temperature Physics, 0, , 1.	1.4	1
23	A Superconducting Mechanical Oscillator with a Variable Resonant Frequency. Instruments and Experimental Techniques, 2020, 63, 791-793.	0.5	0