

Pavel V Zakharov

List of Publications by Year in descending order

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papers

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29
all docs

29
docs citations

29
times ranked

54
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface discrete breathers in Pt3Al intermetallic alloy. Surface Science, 2019, 679, 1-5.	0.8	49
2	Localized oscillating modes in two-dimensional model of regulated Pt3Al alloy. Technical Physics Letters, 2011, 37, 98-101.	0.2	24
3	Simulation of the interaction between discrete breathers of various types in a Pt3Al crystal nanofiber. Journal of Experimental and Theoretical Physics, 2015, 121, 217-221.	0.2	21
4	Crowdion mobility and self-focusing in 3D and 2D nickel. Computational Materials Science, 2009, 47, 429-431.	1.4	19
5	Energy Localization in the Ordered Condensed Systems: A 3 B Alloys With L12 Superstructure. Russian Physics Journal, 2014, 57, 387-395.	0.2	18
6	Dynamics of Discrete Breathers in a Pt3Al Crystal. Russian Physics Journal, 2016, 58, 1353-1357.	0.2	17
7	Exciting discrete breathers of two types in a computer 3D model of Pt3Al crystal. Technical Physics Letters, 2015, 41, 994-997.	0.2	12
8	Excitation of gap discrete breathers in an A3B crystal with a flux of particles. Physics of the Solid State, 2017, 59, 223-228.	0.2	12
9	Excitation of Soliton-Type Waves in Crystals of the A3B Stoichiometry. Physics of the Solid State, 2019, 61, 2160-2166.	0.2	10
10	Nonlinear supratransmission in a Pt3Al crystal at intense external influence. Computer Research and Modeling, 2019, 11, 109-117.	0.2	10
11	Spatially Localized Oscillations in Low-Stability States of Metal Systems. Russian Physics Journal, 2021, 64, 293-301.	0.2	7
12	Discrete breathers in the crystal CuAu. Letters on Materials, 2016, 6, 294-299.	0.2	7
13	Scenarios of mass transfer in fcc copper: the role of point defects. IOP Conference Series: Materials Science and Engineering, 2018, 447, 012040.	0.3	6
14	Simulation of the shock waves propagation through the interface of bipartite bimetallic Ni-Al particles. Letters on Materials, 2017, 7, 296-302.	0.2	5
15	Analysis of Statistical Characteristics of Quasi-Breather with Soft-Type of Nonlinearity in the Crystals of A ₃ B Stoichiometry. Key Engineering Materials, 2017, 743, 86-90.	0.4	4
16	Dynamics of Discrete Breathers in the Pt ₃ Al Crystal. Key Engineering Materials, 2016, 685, 65-69.	0.4	2
17	Stationary quasi-breathers in monatomic FCC metals. Journal of Experimental and Theoretical Physics, 2017, 125, 913-919.	0.2	2
18	Energy exchange of a M-soliton cluster in a 2D Morse lattice. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
19	Prospects for the use of dynamic discrete breathers in nanofibers crystals stoichiometry $A_{1/3}B_2$ with the structure of $L1_{1/2}$, 2015, , .		1
20	Energy transport in an A_3B crystal with intense external exposure at frequencies outside the crystal spectrum. IOP Conference Series: Materials Science and Engineering, 2019, 537, 022031.	0.3	1
21	ANALYSIS OF STATISTICAL CHARACTERISTICS OF QUASI-BREATHER IN MONOATOMIC FCC METALS Au, Cu, Ni, Pd AND Pt. Kondensirovannye Sredy Mezhfaznye Granitsy, 2018, 20, 596-603.	0.1	1
22	Influence of elastic strain on the possibility of excitation of discrete breathers in the nanofiber crystal with $A_{1/3}B_2$ stoichiometry. , 2016, , .		0
23	Discrete breathers in biatomic crystals of AB and A_3B composition. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 1322-1326.	0.1	0
24	Mobility of soliton-like waves in $CuAu$ crystal. , 2017, , .		0
25	Экспериментальное исследование динамических дискретных брейтеров в нановолокнах кристаллов стехиометрии $A_{1/3}B_2$ с структурой $L1_{1/2}$. Доклады Академии наук, 2015, 487, 103-106.		0
26	Modeling of healing pores of cylindrical form under the action of shock waves in a crystal subjected to shear deformation. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2021, 64, 427-434.	0.1	0
27	State And Development Perspectives Of The Pharmaceutical Substances Market In Russia. , 0, , .		0