

Jan Mucha

List of Publications by Year in descending order

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papers

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citations

840776

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61
times ranked

370
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal conductivity of the amorphous alloy Fe ₄₀ Ni ₄₀ P ₁₄ B ₆ between 80 and 300 K. Journal Physics D: Applied Physics, 1987, 20, 1500-1506.	2.8	96
2	Thermal conductivity and electrical resistivity of the high-T _c superconductor YBa ₂ Cu ₃ O _{9-δ} . Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 122, 431-433.	2.1	59
3	Thermal conductivity of solid nitrogen. Physical Review B, 1994, 50, 543-546.	3.2	38
4	Thermal conductivity of solid oxygen. Physical Review Letters, 1993, 71, 97-100.	7.8	27
5	Transition and rare earth element dodecaborides. Journal of Alloys and Compounds, 1995, 219, 215-218.	5.5	21
6	Influence of crystallite size on the thermal conductivity in BaTiO ₃ nanoceramics. Applied Physics Letters, 2007, 90, 114104.	3.3	20
7	Magnetotransport study of MgB ₂ superconductor. Superconductor Science and Technology, 2003, 16, 1167-1172.	3.5	18
8	Thermal and electrical properties of a white-eucalyptus carbon preform for SiC/Si ecoceramics. Physics of the Solid State, 2006, 48, 441-446.	0.6	15
9	Heat transport over nonmagnetic lithium chains in LiCuVO ₄ , a new one-dimensional superionic conductor. Physics of the Solid State, 2003, 45, 2093-2098.	0.6	14
10	Effect of Ga doping on magneto-transport properties in colossal magnetoresistive La _{0.7} Ca _{0.3} Mn _{1-x} Ga _{x} O ₃ (0 < x < 0.1). Journal of Magnetism and Magnetic Materials, 2006, 306, 181-190.	2.3	12
11	Thermal conductivity of high-porosity cellular-pore biocarbon prepared from sapele wood. Physics of the Solid State, 2009, 51, 2023-2031.	0.6	12
12	Thermal conductivity of solid argon with oxygen admixtures. Physical Review B, 1998, 58, 2380-2382.	3.2	8
13	Spinon thermal conductivity of (CuO ₂)-spin chains in LiCuVO ₄ . Physics of the Solid State, 2004, 46, 357-363.	0.6	8
14	Thermal and Acoustic Properties of Chrysotile Asbestos. Physics of the Solid State, 2005, 47, 370.	0.6	8
15	Thermal conductivity of ultrathin InSb semiconductor nanowires with properties of the Luttinger liquid. Physics of the Solid State, 2006, 48, 1584-1590.	0.6	8
16	Thermal conductivity of niobium hydrides in the temperature range 4.2-420 K. Journal of Alloys and Compounds, 1991, 176, 233-240.	5.5	7
17	Hysteresis of thermal conductivity and electrical resistivity of niobium hydrides. Solid State Communications, 1993, 85, 907-910.	1.9	7
18	Specific features in the thermal conductivity of synthetic opals. Physics of the Solid State, 1997, 39, 341-346.	0.6	7

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19	Transport properties, specific heat and thermal conductivity of GaN nanocrystalline ceramic. Journal of Solid State Chemistry, 2010, 183, 2501-2505.	2.9	7
20	Thermal conductivity anomalies in GdBa ₂ Cu ₃ O _{7-x} . Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 127, 225-227.	2.1	6
21	Anisotropy of the thermal conductivity and electrical resistivity of the SiC/Si biomorphic composite based on a white-eucalyptus biocarbon template. Physics of the Solid State, 2006, 48, 2281-2288.	0.6	6
22	Thermal conductivity of rare-earth element dodecaborides. Journal of Physics Condensed Matter, 1995, 7, 8927-8937.	1.8	5
23	Heat conductivity of the heavy-fermion compound YbAgCu ₄ . Physics of the Solid State, 2001, 43, 218-223.	0.6	5
24	Magneto-transport study of Nb-doped Bi/Pb ₂₂₂₃ superconductor. Physica C: Superconductivity and Its Applications, 2003, 387, 191-197.	1.2	5
25	Thermal conductivity of bio-SiC and the Si embedded in cellular pores of the SiC/Si biomorphic composite. Physics of the Solid State, 2007, 49, 211-214.	0.6	5
26	Influence of the Y211 phase on anisotropic transport properties and vortex dynamics of the melt-textured Y123/Y211 composites. Physica C: Superconductivity and Its Applications, 2010, 470, S1009-S1010.	1.2	5
27	Thermal conductivity of high-porosity heavily doped biomorphic silicon carbide prepared from sapele wood biocarbon. Physics of the Solid State, 2012, 54, 1732-1739.	0.6	5
28	Heat conductivity of three-dimensional regular structures of crystalline and amorphous selenium incorporated in voids of synthetic opal. Physics of the Solid State, 1998, 40, 528-531.	0.6	4
29	Heat capacity of a white-eucalyptus biocarbon template for SiC/Si ecoceramics. Physics of the Solid State, 2006, 48, 2056-2059.	0.6	4
30	Coherent effects in regular three-dimensional lattices of insulator nanocrystals in an opal matrix. Physics of the Solid State, 1999, 41, 313-318.	0.6	3
31	Heat conductivity of LuInCu ₄ . Physics of the Solid State, 2000, 42, 1394-1397.	0.6	3
32	Thermal conductivity of crystalline chrysotile asbestos. Physics of the Solid State, 2003, 45, 57-60.	0.6	3
33	Phonon scattering from the boundaries of small crystals embedded in a dielectric porous-glass matrix. Physics of the Solid State, 2003, 45, 381-385.	0.6	3
34	Thermal conductivity of the YbMgCu ₄ heavy-fermion system. Physics of the Solid State, 2007, 49, 2038-2041.	0.6	3
35	Electrical resistivity and thermal conductivity of SiC/Si ecoceramics prepared from sapele wood biocarbon. Physics of the Solid State, 2012, 54, 2132-2141.	0.6	3
36	Thermal conductivity of donor-doped GaN measured with 3 μ m and stationary methods. Low Temperature Physics, 2015, 41, 563-566.	0.6	3

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37	Thermal conductivity of NaCl loaded in regular arrays of nanovoids in a synthetic opal single crystal. <i>Physics of the Solid State</i> , 2004, 46, 1961-1968.	0.6	2
38	Heat capacity of Bio-SiC and SiC/Si ecoceramics prepared from white eucalyptus, beech, and sapele tree wood. <i>Physics of the Solid State</i> , 2013, 55, 454-460.	0.6	2
39	Thermal conductivity of solid nitrogen doped with oxygen impurities. <i>High Temperatures - High Pressures</i> , 1997, 29, 423-430.	0.3	2
40	An evidence for the hydrogen diffusion in niobium by thermal conductivity measurements. <i>Solid State Communications</i> , 1993, 87, 501-505.	1.9	1
41	Unusual behavior of thermal conductivity of a crystalline-NaCl-opal nanocomposite. <i>Physics of the Solid State</i> , 1998, 40, 348-349.	0.6	1
42	Lattice thermal conductivity of compounds with inhomogeneous intermediate rare-earth ion valence. <i>Physics of the Solid State</i> , 2002, 44, 1031-1034.	0.6	1
43	Unusual behavior of the lattice thermal conductivity and of the Lorenz number in the $\text{YbIn}_{1-x}\text{Cu}_{4+x}$ system. <i>Physics of the Solid State</i> , 2002, 44, 1212-1217.	0.6	1
44	Thermal conductivity of solid parahydrogen with methane admixtures. <i>Low Temperature Physics</i> , 2003, 29, 527-529.	0.6	1
45	Specific heat and velocity of sound in a moderate heavy-fermion compound YbZnCu_4 . <i>Physics of the Solid State</i> , 2007, 49, 200-204.	0.6	1
46	Thermal conductivity and heat capacity of $\text{Si}_3\text{N}_4/\text{BN}$ fiber monoliths. <i>Physics of the Solid State</i> , 2009, 51, 2274-2281.	0.6	1
47	Anisotropy of the thermal conductivity of bulk melt-cast Bi-2212 superconducting tubes. <i>Superconductor Science and Technology</i> , 2020, 33, 025006.	3.5	1
48	Heat conductivity and the Lorentz number of the $\text{Sm}_{1-x}\text{Gd}_x\text{S}$ black phase. <i>Physics of the Solid State</i> , 1999, 41, 22-24.	0.6	0
49	Thermal conductivity and Lorentz number of the "Golden" phase of the $\text{Sm}_{1-x}\text{Gd}_x\text{S}$ system with homogeneous variable valence of samarium. <i>Physics of the Solid State</i> , 2000, 42, 1017-1022.	0.6	0
50	Heat conductivity of LuAgCu_4 . <i>Physics of the Solid State</i> , 2000, 42, 1990-1994.	0.6	0
51	Thermal Conductivity of O ₂ - and N ₂ -Doped Solid CH ₄ . <i>Journal of Low Temperature Physics</i> , 2001, 122, 187-193.	1.4	0
52	Thermal conductivity of the "light" heavy-fermion compound $\text{YbIn}_{0.7}\text{Ag}_{0.3}\text{Cu}_4$. <i>Physics of the Solid State</i> , 2001, 43, 1811-1815.	0.6	0
53	Behavior of the Lorenz number in the light heavy-fermion system YbInCu_4 . <i>Physics of the Solid State</i> , 2002, 44, 1016-1021.	0.6	0
54	Excess thermal resistivity in $\text{N}_2\text{-CO}$ solid solution at low carbon monoxide concentration. <i>Low Temperature Physics</i> , 2003, 29, 744-745.	0.6	0

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55	Thermal Conductivity of NaCl Embedded in Randomly Distributed Porous-Glass Channels. <i>Physics of the Solid State</i> , 2005, 47, 1249.	0.6	0
56	Thermal conductivity of a moderate heavy-fermion compound YbIn _{0.2} Ag _{0.8} Cu ₄ . <i>Physics of the Solid State</i> , 2006, 48, 625-630.	0.6	0
57	Thermal conductivity of a moderate heavy-fermion compound YbZnCu ₄ . <i>Physics of the Solid State</i> , 2007, 49, 18-22.	0.6	0
58	Heat capacity and velocity of sound in the YbMgCu ₄ heavy-fermion system. <i>Physics of the Solid State</i> , 2007, 49, 2042-2046.	0.6	0
59	Application of the Callaway theory to analysis of thermal transport by phonons in ceramic and biomorphic composites. <i>Solid State Communications</i> , 2013, 168, 52-55.	1.9	0