

Nikolay B Brandt

List of Publications by Year in descending order

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52
papers

1,685
citations

430874

18
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276875

41
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54
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54
docs citations

54
times ranked

835
citing authors

#	ARTICLE	IF	CITATIONS
1	Size quantized levels of the valence band and the optical gain in strained p-AlGaAs/GaAsP/n-AlGaAs structures under uniaxial compression. Moscow University Physics Bulletin (English Translation of) Tj ETQq1 1 0.784314 rgBTi/Overlo	0.4	0
2	The emission spectrum of p-AlGaAs/GaAsP/n-AlGaAs diodes under uniaxial compression. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2010, 65, 402-406.	0.4	1
3	Features of structure and properties of Na n C60 (n = 2, 3) fullerenes synthesized in toluene. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2009, 64, 172-176.	0.4	0
4	Peculiarities of the electron transport in very short period InAs/GaAs superlattices near quantum dot formation. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 300-302.	2.7	0
5	Electrothermal instabilities induced by a metastable electronic state in PbTe(Ga). Semiconductors, 1997, 31, 100-102.	0.5	1
6	Influence of pressure on the energy spectrum of low stage graphite intercalation compounds. Journal of Physics and Chemistry of Solids, 1996, 57, 943-946.	4.0	0
7	Pressure spectroscopy of impurity states and band structure of bismuth telluride. Semiconductor Science and Technology, 1992, 7, 907-911.	2.0	22
8	Energy spectrum of Bi2Te3 intercalated by Li and Ba. Physica B: Condensed Matter, 1991, 173, 303-304.	2.7	3
9	Nonlinear Effects in Heterostructures at Low Temperatures in Strong Magnetic Fields. Physica Status Solidi (B): Basic Research, 1991, 163, K15.	1.5	0
10	Pressure studies of the energy spectrum of irradiation-induced defects in Pb1-xSnxSe. Semiconductor Science and Technology, 1991, 6, 487-490.	2.0	5
11	High-pressure spectroscopy of electron irradiated semiconductors. Semiconductor Science and Technology, 1989, 4, 260-262.	2.0	0
12	Gap at the Fermi level in the intermetallic vacancy system RBiSn(R=Ti,Zr,Hf). European Physical Journal B, 1989, 75, 167-171.	1.5	229
13	Temperature dependence of the critical current in YBa2Cu3O7 δ and Bi2Sr2Ca1Cu2O8 Josephson junctions. Physica C: Superconductivity and Its Applications, 1989, 160, 505-510.	1.2	14
14	Crystal Structure, Electrical, and Magnetic Properties of the New Ternary Compounds LnAlB14. Physica Status Solidi A, 1989, 114, 265-272.	1.7	32
15	Local nonequilibrium states in Pb1-xSnxTe (x=0.25). Solid State Communications, 1988, 66, 811-813.	1.9	14
16	The Influence of Compensation on the Hall Effect and Magnetoresistance of n \approx 0.8Cd _{0.2} Te. Physica Status Solidi (B): Basic Research, 1988, 148, 197-204.	1.5	1
17	Magnetoresistance and Hall Effect in Bi ₂ Te ₃ Sn ϵ in Ultrahigh Magnetic Fields and under Pressure. Physica Status Solidi (B): Basic Research, 1988, 150, 237-243.	1.5	35
18	Resonant defect states in Pb1-xSnxSe (x=0.125) irradiated with electrons. Solid State Communications, 1988, 65, 1489-1493.	1.9	4

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19	Hall effect and magnetotransport of CeAl ₃ under pressure. Journal of Magnetism and Magnetic Materials, 1988, 76-77, 272-274.	2.3	3
20	Anomalous Magnetic Properties of Y ₂ Cu ₂ O ₅ Compound in a Weak Magnetic Field. Japanese Journal of Applied Physics, 1988, 27, L89-L90.	1.5	2
21	The electrophysical properties of silicon nitride at low temperatures. Journal of Applied Physics, 1987, 61, 4566-4570.	2.5	15
22	Thermal E.M.F. Anomalies Due to Axial Compression and the Band Structure of Bi _{1-x} Sb _x ($x = 0.27$) Alloys. Physica Status Solidi (B): Basic Research, 1987, 143, 601-609.	1.5	4
23	Hall effect in Kondo lattices in the coherent regime. Solid State Communications, 1987, 61, 161-165.	1.9	4
24	Hopping conductivity in amorphous silicon nitride in high electric and magnetic fields. Solid State Communications, 1987, 61, 511-514.	1.9	4
25	Negative hopping magnetoresistance in silicon nitride. Solid State Communications, 1987, 61, 515-518.	1.9	5
26	Hall effect and the upper critical field in UBe ₁₃ . Journal of Magnetism and Magnetic Materials, 1987, 63-64, 458-460.	2.3	10
27	High pressure studies of cerium hexaboride. Solid State Communications, 1985, 56, 937-941.	1.9	33
28	Avalanche breakdown in narrow gap semiconductors in crossed fields. Solid State Communications, 1985, 53, 947-952.	1.9	2
29	Hall effect in CeAl ₃ . Solid State Communications, 1985, 53, 645-648.	1.9	26
30	SmB ₆ at high pressures: The transition from insulating to the metallic Kondo lattice. Journal of Magnetism and Magnetic Materials, 1985, 47-48, 289-291.	2.3	27
31	Semimagnetic semiconductors. Advances in Physics, 1984, 33, 193-256.	14.4	287
32	The metastable electronic states in Pb _{1-x} Sn _x Te alloys. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1984, 126, 361-368.	0.9	0
33	Pressure spectroscopy of impurity states in GaSb(Se). Solid State Communications, 1984, 49, 631-635.	1.9	1
34	Electric and magnetic properties of the Kondo-lattice compound CeCu ₂ Si ₂ . Journal of Low Temperature Physics, 1984, 57, 61-93.	1.4	94
35	Concentrated Kondo systems. Advances in Physics, 1984, 33, 373-467.	14.4	470
36	Band edge motion in quantizing magnetic field and nonequilibrium states in Pb _{1-x} Sn _x Te alloys doped with In. Journal of Low Temperature Physics, 1983, 51, 9-32.	1.4	21

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37	Superconductivity in CeCu ₂ Si ₂ . Solid State Communications, 1983, 45, 215-218.	1.9	68
38	The appearance of the many-body resonance at the Fermi level in Kondo-lattices. Solid State Communications, 1983, 47, 693-697.	1.9	40
39	Switching effects in the dielectric phase of the Pb _{1-x} Sn _x Te (In) compounds. Solid State Communications, 1982, 43, 31-33.	1.9	21
40	Dynamics of the semiconductor-metal transition induced by infrared illumination in Pb _{1-x} Sn _x Te(In) alloys. Physics Letters, Section A: General, Atomic and Solid State Physics, 1982, 88, 483-486.	2.1	34
41	A device for high uniaxial compression of single crystal specimens at low temperatures. Cryogenics, 1978, 18, 163-165.	1.7	0
42	Experiment and theory on the magnetic susceptibility of Bi-Sb alloys. Journal of Low Temperature Physics, 1977, 27, 75-90.	1.4	24
43	Investigation of the gapless state induced by pressure in Hg _{1-x} Cd _x Te alloys. Journal of Low Temperature Physics, 1976, 24, 471-490.	1.4	7
44	A method for studying the electrical properties of specimens in the pressure region up to 300 kbar and at temperatures from 0.1 to 200 K. Cryogenics, 1976, 16, 47-49.	1.7	2
45	An apparatus for studying semi-metals in pulsed magnetic fields up to 900 kOe at low temperatures. Cryogenics, 1974, 14, 620-622.	1.7	0
46	A method of increasing the hydrostatic nature of the compression at low temperatures in fixed pressure bombs. Cryogenics, 1974, 14, 464-466.	1.7	11
47	INFLUENCE OF PRESSURE ON THE FERMI SURFACE OF METALS. Uspekhi Fizicheskikh Nauk, 1972, 14, 438-454.	0.3	11
48	Superconductivity at High Pressure. Scientific American, 1971, 224, 83-94.	1.0	13
49	A miniature apparatus for obtaining intermediate temperatures. Cryogenics, 1971, 11, 59-61.	1.7	1
50	SUPERCONDUCTIVITY AT HIGH PRESSURES. Uspekhi Fizicheskikh Nauk, 1969, 12, 344-358.	0.3	14
51	EFFECT OF HIGH PRESSURE ON THE SUPERCONDUCTING PROPERTIES OF METALS. Uspekhi Fizicheskikh Nauk, 1965, 8, 202-223.	0.3	41
52	TENTH ALL-UNION CONFERENCE ON LOW TEMPERATURE PHYSICS. Uspekhi Fizicheskikh Nauk, 1964, 7, 468-475.	0.3	0