

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
all docs

54
docs citations

54
times ranked

835
citing authors

#	ARTICLE	IF	CITATIONS
1	Concentrated Kondo systems. <i>Advances in Physics</i> , 1984, 33, 373-467.	14.4	470
2	Semimagnetic semiconductors. <i>Advances in Physics</i> , 1984, 33, 193-256.	14.4	287
3	Gap at the Fermi level in the intermetallic vacancy system RBiSn ($\text{R}=\text{Ti}, \text{Zr}, \text{Hf}$). <i>European Physical Journal B</i> , 1989, 75, 167-171.	1.5	229
4	Electric and magnetic properties of the Kondo-lattice compound CeCu_2Si_2 . <i>Journal of Low Temperature Physics</i> , 1984, 57, 61-93.	1.4	94
5	Superconductivity in CeCu_2Si_2 . <i>Solid State Communications</i> , 1983, 45, 215-218.	1.9	68
6	EFFECT OF HIGH PRESSURE ON THE SUPERCONDUCTING PROPERTIES OF METALS. <i>Uspekhi Fizicheskikh Nauk</i> , 1965, 8, 202-223.	0.3	41
7	The appearance of the many-body resonance at the Fermi level in Kondo-lattices. <i>Solid State Communications</i> , 1983, 47, 693-697.	1.9	40
8	Magnetoresistance and Hall Effect in $\text{Bi}_{2-x}\text{Te}_{3-x}\text{Sn}_x$ in Ultrahigh Magnetic Fields and under Pressure. <i>Physica Status Solidi (B): Basic Research</i> , 1988, 150, 237-243.	1.5	35
9	Dynamics of the semiconductor-metal transition induced by infrared illumination in $\text{Pb}_{1-x}\text{Sn}_x\text{Te}$ (In) alloys. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1982, 88, 483-486.	2.1	34
10	High pressure studies of cerium hexaboride. <i>Solid State Communications</i> , 1985, 56, 937-941.	1.9	33
11	Crystal Structure, Electrical, and Magnetic Properties of the New Ternary Compounds LnAlB_4 . <i>Physica Status Solidi A</i> , 1989, 114, 265-272.	1.7	32
12	SmB_6 at high pressures: The transition from insulating to the metallic Kondo lattice. <i>Journal of Magnetism and Magnetic Materials</i> , 1985, 47-48, 289-291.	2.3	27
13	Hall effect in CeAl_3 . <i>Solid State Communications</i> , 1985, 53, 645-648.	1.9	26
14	Experiment and theory on the magnetic susceptibility of Bi-Sb alloys. <i>Journal of Low Temperature Physics</i> , 1977, 27, 75-90.	1.4	24
15	Pressure spectroscopy of impurity states and band structure of bismuth telluride. <i>Semiconductor Science and Technology</i> , 1992, 7, 907-911.	2.0	22
16	Switching effects in the dielectric phase of the $\text{Pb}_{1-x}\text{Sn}_x\text{Te}$ (In) compounds. <i>Solid State Communications</i> , 1982, 43, 31-33.	1.9	21
17	Band edge motion in quantizing magnetic field and nonequilibrium states in $\text{Pb}_{1-x}\text{Sn}_x\text{Te}$ alloys doped with In. <i>Journal of Low Temperature Physics</i> , 1983, 51, 9-32.	1.4	21
18	The electrophysical properties of silicon nitride at low temperatures. <i>Journal of Applied Physics</i> , 1987, 61, 4566-4570.	2.5	15

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19	SUPERCONDUCTIVITY AT HIGH PRESSURES. Uspekhi Fizicheskikh Nauk, 1969, 12, 344-358.	0.3	14
20	Local unequilibrium states in $Pb_{1-x}Sn_xTe$ ($x=0.25$). Solid State Communications, 1988, 66, 811-813.	1.9	14
21	Temperature dependence of the critical current in $YBa_2Cu_3O_{7-\delta}$ and $Bi_2Sr_2Ca_1Cu_2O_8$ Josephson junctions. Physica C: Superconductivity and Its Applications, 1989, 160, 505-510.	1.2	14
22	Superconductivity at High Pressure. Scientific American, 1971, 224, 83-94.	1.0	13
23	INFLUENCE OF PRESSURE ON THE FERMI SURFACE OF METALS. Uspekhi Fizicheskikh Nauk, 1972, 14, 438-454.	0.3	11
24	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
25	Hall effect and the upper critical field in UBe 13. Journal of Magnetism and Magnetic Materials, 1987, 63-64, 458-460.	2.3	10
26	Investigation of the gapless state induced by pressure in $Hg_{1-x}Cd_xTe$ alloys. Journal of Low Temperature Physics, 1976, 24, 471-490.	1.4	7
27	Negative hopping magnetoresistance in silicon nitride. Solid State Communications, 1987, 61, 515-518.	1.9	5
28	Pressure studies of the energy spectrum of irradiation-induced defects in $Pb_{1-x}Sn_xSe$. Semiconductor Science and Technology, 1991, 6, 487-490.	2.0	5
29	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
30	Hall effect in Kondo lattices in the coherent regime. Solid State Communications, 1987, 61, 161-165.	1.9	4
31	Hopping conductivity in amorphous silicon nitride in high electric and magnetic fields. Solid State Communications, 1987, 61, 511-514.	1.9	4
32	Resonant defect states in $Pb_{1-x}Sn_xSe$ ($x=0.125$) irradiated with electrons. Solid State Communications, 1988, 65, 1489-1493.	1.9	4
33	Hall effect and magnetotransport of $CeAl_3$ under pressure. Journal of Magnetism and Magnetic Materials, 1988, 76-77, 272-274.	2.3	3
34	Energy spectrum of Bi_2Te_3 intercalated by Li and Ba. Physica B: Condensed Matter, 1991, 173, 303-304.	2.7	3
35	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
36	Avalanche breakdown in narrow gap semiconductors in crossed fields. Solid State Communications, 1985, 53, 947-952.	1.9	2

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37	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
38	A miniature apparatus for obtaining intermediate temperatures. Cryogenics, 1971, 11, 59-61.	1.7	1
39	Pressure spectroscopy of impurity states in GaSb(Se). Solid State Communications, 1984, 49, 631-635.	1.9	1
40	The Influence of Compensation on the Hall Effect and Magnetoresistance of n ⁺ Hg _{0.8} Cd _{0.2} Te. Physica Status Solidi (B): Basic Research, 1988, 148, 197-204.	1.5	1
41	Electrothermal instabilities induced by a metastable electronic state in PbTe(Ga). Semiconductors, 1997, 31, 100-102.	0.5	1
42	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
43	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/Overlook		
44	TENTH ALL-UNION CONFERENCE ON LOW TEMPERATURE PHYSICS. Uspekhi Fizicheskikh Nauk, 1964, 7, 468-475.	0.3	0
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 device for high uniaxial compression of single crystal specimens at low temperatures. Cryogenics, 1978, 18, 163-165.	1.7	0
47	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
48	High-pressure spectroscopy of electron irradiated semiconductors. Semiconductor Science and Technology, 1989, 4, 260-262.	2.0	0
49	Nonlinear Effects in Heterostructures at Low Temperatures in Strong Magnetic Fields. Physica Status Solidi (B): Basic Research, 1991, 163, K15.	1.5	0
50	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
51	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
52	Features of structure and properties of Na _n C ₆₀ (n = 2, 3) fullerides synthesized in toluene. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2009, 64, 172-176.	0.4	0