

Adam Nabialek

List of Publications by Year in descending order

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92
papers

842
citations

516710

16
h-index

580821

25
g-index

93
all docs

93
docs citations

93
times ranked

727
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Study of the $\text{Ca}_{1-x}\text{Eu}_x\text{MnO}_3$ Perovskites. <i>Journal of Solid State Chemistry</i> , 1997, 131, 144-149.	2.9	59
2	Influence of the real shape of a sample on the pinning induced magnetostriction. <i>Journal of Applied Physics</i> , 1998, 84, 3770-3775.	2.5	53
3	Flux Jumps and H-T Diagram of Instability for MgB_2 . <i>Journal of Low Temperature Physics</i> , 2003, 130, 175-191.	1.4	41
4	Giant magnetostriction and magnetostriction jumps in superconducting single crystalline. <i>Superconductor Science and Technology</i> , 1997, 10, 786-793.	3.5	36
5	Magnetic flux jumps in textured $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. <i>Physical Review B</i> , 2003, 67, .	3.2	36
6	Synthesis and characterization of $\text{Ln}(\text{B}_{0.5}\text{Mn}_{0.5})\text{O}_3$ (Ln-lanthanoid; B = Ni, Co) perovskites. <i>Materials Research Bulletin</i> , 1997, 32, 67-74.	5.2	35
7	Structural and magnetic properties of $\text{La}_{1-x}\text{Pr}_x\text{MnO}_3$ ($0 \leq x \leq 1.0$). <i>Physical Review B</i> , 2006, 74, .	3.2	30
8	Magneto-thermal instabilities in type II superconductors: The influence of magnetic irreversibility. <i>Journal of Applied Physics</i> , 2000, 88, 5875-5883.	2.5	28
9	Magnetic ordering in perovskites containing manganese and cobalt. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 8287-8295.	1.8	26
10	Canted spin structure in clusters of the $(\text{La}_{0.7}\text{Ca}_{0.3})_{1-x}\text{Mn}_x\text{O}_3$ perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 246, 40-53.	2.3	25
11	Magnetic and Transport Properties of EuMnO_{3+x} Substituted by Ca, Sr and Cr Ions. <i>Physica Status Solidi A</i> , 1997, 160, 195-203.	1.7	23
12	Magnetostriction of thin flat superconductor in a transverse magnetic field. <i>Superlattices and Microstructures</i> , 1998, 24, 221-226.	3.1	23
13	Two- and three-dimensional incommensurate modulation in optimally-doped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. <i>Physical Review B</i> , 2006, 73, .	3.2	23
14	Characterization of superconducting properties of BSCCO powder prepared by attrition milling. <i>Superconductor Science and Technology</i> , 2005, 18, 317-324.	3.5	21
15	Jahn-Teller type structural transition in $\text{KDy}(\text{WO}_4)_2$. <i>Solid State Communications</i> , 1997, 102, 627-630.	1.9	18
16	Metamagnetism in perovskites RMnO_{3+x} (R=Gd, Tb, Dy). <i>Low Temperature Physics</i> , 1997, 23, 300-302.	0.6	17
17	ESR-study of the low-temperature phase transition in $\text{KDy}(\text{WO}_4)_2$. <i>Physica B: Condensed Matter</i> , 1997, 240, 21-25.	2.7	16
18	H-T phase diagram for the giant magnetic flux jumps in low temperature superconductors and high temperature superconductors. <i>Journal of Applied Physics</i> , 1998, 83, 7324-7326.	2.5	16

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19	Pinning induced magnetostriction in ceramic high temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 321, 49-58.	1.2	15
20	Magnetocaloric effect and magnetoelastic properties of NiMnGa and NiMnSn Heusler alloy thin films. <i>Journal of Alloys and Compounds</i> , 2018, 748, 1-5.	5.5	13
21	Magnetic properties, martensitic and magnetostructural transformations of ferromagnetic Ni-Mn-Sn-Cu shape memory alloys. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	13
22	Magnetostriction of superconductors (a review). <i>Low Temperature Physics</i> , 1999, 25, 225-241.	0.6	12
23	Magnetostriction in superconducting MgB ₂ . <i>Physica B: Condensed Matter</i> , 2002, 319, 286-292.	2.7	11
24	Magnetic phase diagram of copper metaborate in magnetic field parallel to <i>c</i> -axis. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 300, e388-e391.	2.3	10
25	Investigation of electron paramagnetic resonance in carbon tubes. <i>Europhysics Letters</i> , 1996, 34, 31-36.	2.0	9
26	The correlation between the transverse and longitudinal magnetostriction in a polycrystalline MgB ₂ superconductor. <i>Superconductor Science and Technology</i> , 2003, 16, 707-713.	3.5	9
27	The critical state stability in textured Bi ₂ Sr ₂ CaCu ₂ O _{8-x} superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 436, 43-50.	1.2	9
28	Magnetostriction of rare earth double tungstates. <i>New Journal of Physics</i> , 2006, 8, 124-124.	2.9	9
29	Magnetic properties of perovskites R(Mn _{0.5} A _{0.5})O ₃ (R = Nd, Eu; A = Co, Ni). <i>Physica Status Solidi A</i> , 1996, 157, 167-172.	1.7	8
30	Preparation, magnetic and transport properties of A _{0.66} Ba _{0.34} MnO _{3-x} (A = Pr, Nd, Sm, Eu, Gd) perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , 1997, 176, 267-271.	2.3	8
31	Magnetic Study of Orthomanganites A _{1-x} MnO _{3+y} (A=La, Eu) with the Perovskite Structure. <i>Journal of Solid State Chemistry</i> , 1997, 130, 171-175.	2.9	8
32	Magnetic Interactions in Ln(Co _{0.5} Mn _{0.5})O ₃ (Ln = Eu, Gd, Tb, Dy, Ho, Y) Perovskites. <i>Physica Status Solidi A</i> , 1997, 163, 215-220.	1.7	7
33	Title is missing!. <i>Journal of Low Temperature Physics</i> , 2003, 130, 425-433.	1.4	7
34	Magnetostriction studies in nano-crystalline zinc ferrite thin films by strain modulated ferromagnetic resonance. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 460, 203-206.	2.3	7
35	Magnetic ordering in the perovskites Eu _{1-x} CaxMnO ₃ (0 ≤ x ≤ 0.5). <i>Physics of the Solid State</i> , 1997, 39, 101-103.	0.3	6
36	The range of giant flux instabilities in the plane in hard superconductors: calculations and experiment. <i>Superconductor Science and Technology</i> , 1998, 11, 1181-1185.	3.5	6

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37	Magnetic structure of ground state of the $KDy(WO_4)_2$ single crystal. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 195, 119-124.	2.3	6
38	The structure of vortex matter avalanches in a niobium plate. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 369, 82-86.	1.2	6
39	Giant Magnetostriction and Flux Jumps in Superconducting Nb_3Al Polycrystalline Slab. <i>Journal of Low Temperature Physics</i> , 2005, 139, 239-246.	1.4	6
40	Pinning of the Vortex System and Magnetostriction of Superconductors. <i>Journal of Low Temperature Physics</i> , 2005, 139, 309-330.	1.4	6
41	Electron paramagnetic resonance studies in $KYb(WO_4)_2$. <i>Physica B: Condensed Matter</i> , 2007, 388, 257-260.	2.7	6
42	Magnetoelastic Properties of Epitaxially Grown $Co_{2-x}Fe_{0.4-x}Mn_{0.6-x}Si$ and $Co_{2-x}FeGa_{0.5-x}Ge_{0.5-x}$ Heusler Alloys Thin Films. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-6.	2.1	6
43	Magnetostriction of Fe/Gd multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 139, 157-161.	2.3	6
44	Magnetic and transport properties of (Ln = La, Eu or Lu). <i>Journal of Physics Condensed Matter</i> , 1996, 8, 10627-10632.	1.8	5
45	Two components of the magnetostriction of the crystalline metallic V_3Si superconductor. <i>Journal of Applied Physics</i> , 2009, 105, 063918.	2.5	5
46	Magnetic and magnetic resonance studies of magnetically diluted phthalocyanine-based molecular magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 162, 338-342.	2.3	4
47	Magnetostriction of the high-temperature non-cuprate superconductor $BaBiKO$. <i>Physics of the Solid State</i> , 1998, 40, 1091-1095.	0.6	4
48	Magnetotransport properties of with pyrochlore structure. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 401-405.	1.8	4
49	Magnetotransport properties of the $Sm_{0.56}(Sr_{0.44-x}Mx)MnO_3$ (Me = Ba, Ca, Cd) perovskites. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 8913-8920.	1.8	4
50	EPR spectrum of the Fe^{3+} ion in bromocresol green ($C_{21}H_{14}Br_4O_5S$) and features in the dynamics of the surrounding molecules. <i>Low Temperature Physics</i> , 2002, 28, 49-53.	0.6	4
51	Oscillation mode in the screening properties of $Nb\text{-}Ti$ plate as a result of flux jumps. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 369, 77-81.	1.2	4
52	The Structure of Magnetic Avalanches: Experiment and Model for Avalanche Vortex Matter Penetration. <i>Journal of Low Temperature Physics</i> , 2003, 130, 165-174.	1.4	4
53	Manifestation of noncentrality in the EPR spectrum of Fe^{3+} in polycrystalline substances. <i>Low Temperature Physics</i> , 2004, 30, 956-960.	0.6	4
54	The Reversal of the Local Magnetic Field Profile at the Surface of Superconducting Sample Caused by the Thermomagnetic Avalanche. <i>Journal of Low Temperature Physics</i> , 2009, 154, 55-67.	1.4	4

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55	The influence of crystal anisotropy on the critical state stability and flux jump dynamics of a single crystal of $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$. Superconductor Science and Technology, 2012, 25, 035005.	3.5	4
56	Energy Absorption by a Single Abrikosov's Vortex in NbTi and YBaCuO Superconductors. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2033-2036.	1.8	4
57	Transformation of the critical state in hard superconductors resulting from thermomagnetic avalanches. Low Temperature Physics, 2016, 42, 239-257.	0.6	4
58	High pressure synthesis of Hg1223 and Hg1212 ceramics in a gas pressure system at P=10 kbar. Physica C: Superconductivity and Its Applications, 1994, 235-240, 921-922.	1.2	3
59	The Large Magnetoresistance of $\text{R}_2\text{Mo}_2\text{O}_7$ (R = Gd, Tb) Pyrochlores at Low Temperatures. Physica Status Solidi A, 1998, 167, 151-155.	1.7	3
60	First-order phase transition in potassium dysprosium tungstate induced by the field renormalization and softening of the elastic moduli in the vicinity of a structural Jahn-Teller-type transition. Physics of the Solid State, 2006, 48, 1553-1558.	0.6	3
61	Dynamical transformation of the critical state caused by the thermomagnetic avalanches. Physica C: Superconductivity and Its Applications, 2007, 460-462, 776-777.	1.2	3
62	Fine Structure of Thermal Runaway Process in the V_3Si Single-crystal Superconductor as a Result of Pinning Center Response. Physics Procedia, 2012, 36, 634-637.	1.2	3
63	Magnetic moment inversion at giant flux jump: dynamical property of critical state in type-II superconductors. Scientific Reports, 2019, 9, 6233.	3.3	3
64	Enhanced coercivity in SmCo_5 magnet subjected to hydrogen treatment. Journal of Alloys and Compounds, 2021, 866, 158272.	5.5	3
65	Irreversible phenomena in RF electromagnetic field absorption in MTG YBaCuO plates. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2074-2075.	1.2	2
66	Charge Order-Disorder Transition in the $\text{Nd}_{0.6}(\text{Ca}_{0.4-x}\text{Cdx})\text{MnO}_3$ Perovskites. Journal of Solid State Chemistry, 1997, 134, 215-218.	2.9	2
67	Time evolution of the magnetic properties of $\text{La}_{0.5}\text{R}_{0.5}\text{Ba}_2\text{Cu}_3\text{O}_{6+x}$ (R=rare earth) high- T_c superconductors. Physica C: Superconductivity and Its Applications, 1999, 317-318, 558-560.	1.2	2
68	Peak effect and giant flux jumps in hard superconductors: the problem of "islands" jumps on H-T diagram. Physica C: Superconductivity and Its Applications, 2000, 341-348, 2031-2032.	1.2	2
69	Magnetic phase transition and magnetoresistive effect in $\text{Nd}_{0.6}\text{Ca}_{0.4}(\text{Mn}_{1-x}\text{M}_x)\text{O}_3$ (Me=Cr, Al, Ti, Nb). Low Temperature Physics, 2000, 26, 28-31.	0.6	2
70	Magnetostriction of $\text{Fe}_x\text{Mn}_{1-x}\text{S}$ (x = 0.27) crystals. JETP Letters, 2009, 90, 207-210.	1.4	2
71	Threshold Field for Runaway Instability of Bilayer Hard Type-II Superconductor. Journal of Low Temperature Physics, 2015, 179, 75-82.	1.4	2
72	The magnetic properties of C-Ni carbon-metal complexes. Low Temperature Physics, 2017, 43, 625-630.	0.6	2

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73	Oscillations of a single Abrikosov vortex in hard type-II superconductors. <i>Low Temperature Physics</i> , 2017, 43, 670-682.	0.6	2
74	Obtaining a Rough Flux Front in Type-II Superconductors Using a Critical State Model. <i>Acta Physica Polonica A</i> , 2016, 130, 645-648.	0.5	2
75	Electromagnetic Characterization of Shielded Spherical Gyromagnetic Resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022, 70, 1016-1025.	4.6	2
76	Magnetization of the $KDy(WO_4)_2$ single crystal in paramagnetic phase. , 1999, , .		1
77	Excitation of oscillations of the magnetic induction in a Nb-Ti slab as a result of a thermomagnetic flux avalanche. <i>Low Temperature Physics</i> , 2002, 28, 387-390.	0.6	1
78	Magnetostriction studies of magnetic phase transitions in the copper metaborate CuB_2O_4 . <i>Physics of the Solid State</i> , 2006, 48, 330-335.	0.6	1
79	Dynamics of single vortex line in the field of external alternative current. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 1198-1199.	1.2	1
80	Broadband Microwave Characterization of Mono- and Polycrystalline Magnetic Garnet Spheres. , 2020, , .		1
81	Multi-Steps Magnetic Flux Entrance/Exit at Thermomagnetic Avalanches in the Plates of Hard Superconductors. <i>Materials</i> , 2022, 15, 2037.	2.9	1
82	Annealing of defects in fast neutron irradiated $YBa_2Cu_3O_x$ ceramics magnetic and microwave studies. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 226, 345-352.	1.2	0
83	Magnetic field induced phase transition in $A_{1-x}Ca_xMnO_3$ (A=Nd, Bi, Sm, Eu, Tb). <i>Low Temperature Physics</i> , 1997, 23, 807-809.	0.6	0
84	Jahn-Teller type structural phase transition for dysprosium-potassium double tungstate. , 1997, , .		0
85	Phase Transformation in the $Eu_{1-x}Ca_xMnO_3$ Perovskites. <i>European Physical Journal Special Topics</i> , 1997, 07, C1-359-C1-360.	0.2	0
86	Time evolution of copper defects in the mixed phase $La_{0.5}Gd_{0.5}Ba_2Cu_3O_y$. <i>Radiation Effects and Defects in Solids</i> , 1999, 151, 151-157.	1.2	0
87	Pinning induced magnetostriction in superconductive MgB_2 ceramics. <i>Physica Status Solidi A</i> , 2003, 196, 82-85.	1.7	0
88	The critical state instability in Nb_3Al : Experiment and simulation. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 768-769.	1.2	0
89	The magnetic field dependence of effective resistivity in a conventional superconductor: Contactless measurements. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 854-855.	1.2	0
90	Boundaries of the critical state stability in a hard superconductor Nb_3Al in the H - T plane. <i>Low Temperature Physics</i> , 2013, 39, 329-337.	0.6	0

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91	Dynamics of Abrikosov's Vortex Forced Oscillations: Role of Frequency, Acting Forces and Vortex Parameters. <i>Low Temperature Physics</i> , 2019, 45, 1018-1025.	0.6	0
92	Magnetic Phase Transformation in the RE(Mn _{0.5} B _{0.5})O ₃ Perovskites (RE is a Rare Earth Ion, B-Ni, Co). <i>European Physical Journal Special Topics</i> , 1997, 07, C1-357-C1-358.	0.2	0