

Roman Minikayev

List of Publications by Year in descending order

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docs citations

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2462
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative study of structural and magnetic properties of the Tb ³⁺ ion doped into aluminum and gallium borate single crystals. <i>Materials Chemistry and Physics</i> , 2022, 275, 125251.	2.0	2
2	Optical and structural properties of europium doped YAlO ₃ compounds grown by microwave driven hydrothermal technique. <i>Nanotechnology</i> , 2022, 33, 035702.	1.3	0
3	Spin-glass like magnetic ordering in Ge _{1-x} (Sn _x Mn _{1-x})Te multiferroics. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 544, 168695.	1.0	4
4	The sputtering of titanium magnetron target with increased temperature in reactive atmosphere by gas injection magnetron sputtering technique. <i>Applied Surface Science</i> , 2022, 574, 151597.	3.1	15
5	Magnetic Exchange Constant and Ferroelectric Anomaly in Magnetic Susceptibility in Sn _{1-x} Si _x Mn _y Te Diluted Magnetic Semiconductors. <i>Acta Physica Polonica A</i> , 2022, 141, 161-166.	0.2	0
6	The crystal structure and thermal expansion of novel substitutionally disordered Ca ₁₀ TM _{0.5} (VO ₄) ₇ (TM = Co, Cu) orthovanadates. <i>Dalton Transactions</i> , 2021, 50, 14762-14773.	1.6	4
7	Interfacial Dzyaloshinskii-Moriya interaction in the epitaxial W/Co/Pt multilayers. <i>Nanoscale</i> , 2021, 13, 7685-7693.	2.8	10
8	Synthesis and characterization of Gd ₂ O ₃ : Er ³⁺ , Yb ³⁺ doped with Mg ²⁺ , Li ⁺ ions effect on the photoluminescence and biological applications. <i>Nanotechnology</i> , 2021, 32, 245705.	1.3	5
9	Site-occupancy scheme in disordered Ca ₃ RE ₂ (BO ₃) ₄ : a dependence on rare-earth (RE) ionic radius. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 339-346.	0.5	4
10	Synthesis of Copper Nitride Layers by the Pulsed Magnetron Sputtering Method Carried out under Various Operating Conditions. <i>Materials</i> , 2021, 14, 2694.	1.3	11
11	Schottky contacts to ZnO layers grown by Atomic Layer Deposition: effects of H ₂ O ₂ functionalization and transport mechanisms. <i>Applied Surface Science</i> , 2021, 552, 149067.	3.1	3
12	TiO ₂ coating fabrication using gas injection magnetron sputtering technique by independently controlling the gas and power pulses. <i>Thin Solid Films</i> , 2021, 728, 138695.	0.8	8
13	Thermostructural and Elastic Properties of PbTe and Pb _{0.884} Cd _{0.116} Te: A Combined Low-Temperature and High-Pressure X-ray Diffraction Study of Cd-Substitution Effects. <i>Crystals</i> , 2021, 11, 1063.	1.0	4
14	The influence of thermal stability on the properties of Cu ₃ N layers synthesized by pulsed magnetron sputtering method. <i>Thin Solid Films</i> , 2021, 735, 138889.	0.8	6
15	Devitrification of thin film CuZr metallic glass via ultrashort pulsed laser annealing. <i>Journal of Alloys and Compounds</i> , 2021, 887, 161437.	2.8	7
16	Ultraslow Spin Relaxation Dynamics in Colloidal Copper-Doped CdSe Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1042-1052.	1.5	4
17	Comparative study of structural, optical and magnetic properties of Er ³⁺ doped yttrium gallium borates. <i>Results in Physics</i> , 2020, 19, 103247.	2.0	3
18	Excitation efficiency determines the upconversion luminescence intensity of β-NaYF ₄ :Er ³⁺ ,Yb ³⁺ nanoparticles in magnetic fields up to 70 T. <i>Nanoscale</i> , 2020, 12, 20300-20307.	2.8	15

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19	Surface sintering of tungsten powder targets designed by electromagnetic discharge: A novel approach for film synthesis in magnetron sputtering. <i>Materials and Design</i> , 2020, 191, 108634.	3.3	7
20	Structural properties and magnetoresistance of La _{1.952} Sr _{0.048} CuO ₄ thin films. <i>Journal of Applied Physics</i> , 2020, 127, 073901.	1.1	2
21	Structural, optical and magnetic properties of Y _{3-0.02x} Er _{0.02} Yb _x Al ₅ O ₁₂ (0 ≤ x ≤ 0.20) nanocrystals: effect of Yb content. <i>Nanotechnology</i> , 2020, 31, 225711.	1.3	10
22	Yttrium-Doped Iron Oxide Nanoparticles for Magnetic Hyperthermia Applications. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6871-6883.	1.5	44
23	Unmodified Rose Bengal photosensitizer conjugated with NaYF ₄ :Yb,Er upconverting nanoparticles for efficient photodynamic therapy. <i>Nanotechnology</i> , 2020, 31, 465101.	1.3	21
24	Two-valence band electron and heat transport in monocrystalline PbTe-CdTe solid solutions with Cd content up to 10 atomic percent. <i>Physical Review Materials</i> , 2020, 4, .	0.9	3
25	Ground State Er ³⁺ Ion in the YGa ₃ (BO ₃) ₄ . <i>Acta Physica Polonica A</i> , 2020, 138, 777-780.	0.2	0
26	Crystallization of YAlO ₃ Perovskite Using Microwave Hydrothermal Technique. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2020, 13, 851.	0.0	0
27	Magnetic interactions in Ge _{1-x} Eu _x Te semiconductors: random distribution of magnetic Eu ions versus spinodal decompositions. <i>Materials Research Express</i> , 2020, 7, 036103.	0.8	1
28	Optical and magnetic properties of the ground state of Cr ³⁺ doping ions in REM ₃ (BO ₃) ₄ single crystals. <i>Scientific Reports</i> , 2019, 9, 12787.	1.6	8
29	Preparation, characterization, and application of magnetic activated carbon from termite feces for the adsorption of Cr(VI) from aqueous solutions. <i>Powder Technology</i> , 2019, 354, 432-441.	2.1	37
30	Chemical and structural characterization of tungsten nitride (WN _x) thin films synthesized via Gas Injection Magnetron Sputtering technique. <i>Vacuum</i> , 2019, 165, 266-273.	1.6	28
31	Plasmochemical investigations of DLC/WC _x nanocomposite coatings synthesized by gas injection magnetron sputtering technique. <i>Diamond and Related Materials</i> , 2019, 96, 1-10.	1.8	15
32	Anisotropy of Selected Mechanical Properties of PbTe. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, .	0.7	1
33	Thermal expansion of calcium cobalt vanadate garnet, Ca _{2.5} Co ₂ V ₃ O ₁₂ . <i>Journal of Alloys and Compounds</i> , 2019, 779, 863-869.	2.8	3
34	EPR Study of Chromium Ions Doped Gallium Borate. <i>Acta Physica Polonica A</i> , 2019, 136, 947-951.	0.2	7
35	Nanoindentation Studies of the MBE-Grown, Zero-Gap (Hg,Cd)Te Epilayers. <i>Acta Physica Polonica A</i> , 2019, 136, 603-607.	0.2	2
36	Phase composition of copper nitride coatings examined by the use of X-ray diffraction and Raman spectroscopy. <i>Journal of Molecular Structure</i> , 2018, 1165, 79-83.	1.8	22

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37	Copper nitride layers synthesized by pulsed magnetron sputtering. Thin Solid Films, 2018, 645, 32-37.	0.8	23
38	Single-step synthesis of Er ³⁺ and Yb ³⁺ ions doped molybdate/Gd ₂ O ₃ core-shell nanoparticles for biomedical imaging. Nanotechnology, 2018, 29, 025702.	1.3	16
39	Equation of State and Amorphization of Ca ₉ R(VO ₄) ₇ (R = La, Nd). Tj ETQq1 1 0.784314 rgBT 2018, 57, 13115-13127.	1.9	5
40	Structural, magnetic, and magnetocaloric properties of Fe ₇ Se ₈ single crystals. Journal of Applied Physics, 2018, 124, .	1.1	15
41	Study of ultrathin Pt/Co/Pt trilayers modified by nanosecond XUV pulses from laser-driven plasma source. Journal of Alloys and Compounds, 2018, 763, 899-908.	2.8	1
42	Structural and magnetic properties of YAl ₃ (BO ₃) ₄ and EuAl ₃ (BO ₃) ₄ single crystals doped with Co ²⁺ . Journal of Alloys and Compounds, 2018, 765, 710-720.	2.8	5
43	Relation between modulation frequency of electric power oscillation during pulse magnetron sputtering deposition of MoN _x thin films. Applied Surface Science, 2018, 456, 789-796.	3.1	19
44	Adjusting the Magnetic Properties of ZrO ₂ :Mn Nanocrystals by Changing Hydrothermal Synthesis Conditions. Magnetochemistry, 2018, 4, 28.	1.0	6
45	XPS Study of Te-protected Surface of Sn _{1-x} Mn _x Te Topological Crystalline Insulator. Acta Physica Polonica A, 2018, 134, 937-940.	0.2	1
46	Anisotropy of Young's Modulus and Microhardness of PbTe. Acta Physica Polonica A, 2018, 134, 941-943.	0.2	6
47	Low-Temperature Neutron Diffraction in the (Pb,Cd)Te Solid Solution Containing 2.2% of Cd. Acta Physica Polonica A, 2018, 134, 944-946.	0.2	1
48	Antiferromagnetic EuTe Clusters in Ge _{1-x} Eu _x Te Semiconductors. Acta Physica Polonica A, 2018, 134, 950-953.	0.2	3
49	Structure of Cu-N layers synthesized by pulsed magnetron sputtering with variable frequency of plasma generation. Nuclear Instruments & Methods in Physics Research B, 2017, 409, 167-170.	0.6	8
50	Upconversion fluorescence imaging of HeLa cells using ROS generating SiO ₂ -coated lanthanide-doped NaYF ₄ nanoconstructs. RSC Advances, 2017, 7, 30262-30273.	1.7	27
51	Impact of organic capping layer on the magnetic anisotropy of ultrathin Co films. Journal Physics D: Applied Physics, 2017, 50, 485002.	1.3	2
52	Mammalian cell defence mechanisms against the cytotoxicity of NaYF ₄ :(Er,Yb,Gd) nanoparticles. Nanoscale, 2017, 9, 14259-14271.	2.8	18
53	Structure and thermal expansion of Ca ₉ Gd(VO ₄) ₇ : A combined powder-diffraction and dilatometric study of a Czochralski-grown crystal. Nuclear Instruments & Methods in Physics Research B, 2017, 411, 100-111.	0.6	10
54	Reactive sputtering of titanium compounds using the magnetron system with a grounded cathode. Thin Solid Films, 2017, 640, 73-80.	0.8	6

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55	Arrangement of GaN nanowires on Si(001) substrates studied by X-ray diffraction: Importance of silicon nitride interlayer. Applied Surface Science, 2017, 425, 1014-1019.	3.1	10
56	Multi-sided metallization of textile fibres by using magnetron system with grounded cathode. Materials Science-Poland, 2017, 35, 639-646.	0.4	5
57	The Young Modulus and Microhardness Anisotropy in (Pb,Cd)Te Solid Solution Crystallizing in the Rock Salt Structure and Containing 5% of Cd. Acta Physica Polonica A, 2017, 132, 343-346.	0.2	3
58	Magnetic and Structural Studies of GeMnSnTe Epitaxial Layers. Acta Physica Polonica A, 2017, 132, 340-342.	0.2	1
59	Microhardness and the Young Modulus of Thin, MBE-Grown, (Sn,Mn)Te Layers Containing up to 8% of Mn. Acta Physica Polonica A, 2017, 132, 347-350.	0.2	0
60	Polarized neutron reflectivity and X-ray scattering measurements as tools to study properties of Pt/Co/Pt ultrathin layers irradiated by femtosecond laser pulses. Phase Transitions, 2016, 89, 328-340.	0.6	3
61	Thermal properties of the Nd _{1-x} Ca _x BaCo ₂ O _{5.5} compositions (0 ≤ x ≤ 0.2). Journal of Alloys and Compounds, 2016, 670, 175-181.	2.8	5
62	Hardening of (Pb,Cd)Te Crystal Lattice with an Increasing CdTe Content in the Solid Solution. Acta Physica Polonica A, 2016, 130, 1245-1247.	0.2	2
63	Inelastic X-Ray Scattering Studies of Phonon Dispersion in PbTe and (Pb,Cd)Te Solid Solution. Acta Physica Polonica A, 2016, 130, 1251-1254.	0.2	7
64	Magnetic anisotropy induced by crystal distortion in Ge _{1-x} MnxTe/PbTe//KCl (001) ferromagnetic semiconductor layers. Journal of Applied Physics, 2015, 118, 113905.	1.1	4
65	Structure of AlN films deposited by magnetron sputtering method. Materials Science-Poland, 2015, 33, 639-643.	0.4	1
66	Structure refinement for La _{1.85} Sr _{0.15} Cu _{1-x} Ni _x O ₄ (0 ≤ x ≤ 0.19) transition metal oxides. X-Ray Spectrometry, 2015, 44, 389-393.		1
67	Thermal expansion of polycrystalline gallium nitride: an X-ray diffraction study. X-Ray Spectrometry, 2015, 44, 382-388.	0.9	3
68	Unit cell dimensions of MnTe in the 295 K – 1200 K temperature range. X-Ray Spectrometry, 2015, 44, 394-397.	0.9	3
69	Pressure control of magnetic clusters in strongly inhomogeneous ferromagnetic chalcopyrites. Scientific Reports, 2015, 5, 7720.	1.6	11
70	Properties of ZnO/ZnMgO nanostructures grown on r-plane Al ₂ O ₃ substrates by molecular beam epitaxy. Journal of Alloys and Compounds, 2015, 650, 256-261.	2.8	15
71	Upconverting/magnetic: Gd ₂ O ₃ :(Er ³⁺ , Yb ³⁺ , Zn ²⁺) nanoparticles for biological applications: effect of Zn ²⁺ doping. RSC Advances, 2015, 5, 78361-78373.	1.7	33
72	Structural investigation of ultrathin Pt/Co/Pt trilayer films under EUV irradiation. Nuclear Instruments & Methods in Physics Research B, 2015, 364, 33-39.	0.6	8

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73	Ultrathin Niobium in the Si/Nb/Si Trilayers. <i>Acta Physica Polonica A</i> , 2014, 126, A-140-A-144.	0.2	2
74	Synthesis of ZnAl ₂ O ₄ :(Er ³⁺ , Yb ³⁺) spinel-type nanocrystalline upconverting luminescent marker in HeLa carcinoma cells, using a combustion aerosol method route. <i>RSC Advances</i> , 2014, 4, 56596-56604.	1.7	29
75	Comparison of EPR spectra of the Gd ³⁺ ion in doped YAl ₃ (BO ₃) ₄ , EuAl ₃ (BO ₃) ₄ , and TmAl ₃ (BO ₃) ₄ single crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 201-205.	0.7	15
76	Thermal expansion of CuInSe ₂ in the 11â€“1,073ÅK range: an X-ray diffraction study. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 767-780.	1.1	15
77	Equation of state of zircon- and scheelite-type dysprosium orthovanadates: a combined experimental and theoretical study. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 025401.	0.7	12
78	Equation of state for Eu-doped SrSi ₂ O ₇ . <i>Journal of Chemical Physics</i> , 2014, 141, 014705.	1.2	8
79	Solar sintering and characterization of ZnO-TiO ₂ -based photo-anode applicable for water splitting. , 2014, .		2
80	Observation of topological crystalline insulator surface states on (111)-oriented Pb _{1-x} Sn _x films. <i>Physical Review B</i> , 2014, 89, .		
81	A combined study of the equation of state of monazite-type lanthanum orthovanadate using <i>in situ</i> high-pressure diffraction and <i>ab initio</i> calculations. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 533-538.	0.5	16
82	High-pressure X-ray Diffraction Study of SrSi ₂ O ₇ :Eu ²⁺ . <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, C761-C761.	0.0	0
83	Experimental observation of quantum confinement in the conduction band of PbS quantum dots. <i>X-Ray Spectrometry</i> , 2013, 42, 197-200.	0.9	1
84	Transport of NaYF ₄ :Er ³⁺ , Yb ³⁺ up-converting nanoparticles into HeLa cells. <i>Nanotechnology</i> , 2013, 24, 235702.	1.3	28
85	Dependence of the specific features of two PAPVD methods: Impulse Plasma Deposition (IPD) and Pulsed Magnetron Sputtering (PMS) on the structure of Feâ€“Cu alloy layers. <i>Applied Surface Science</i> , 2013, 275, 14-18.	3.1	23
86	EPR spectra of Cr ³⁺ ion in the Van Vleck paramagnet EuAl ₃ (BO ₃) ₄ . <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 1331-1338.	0.7	21
87	Novel ZnO/MgO/Fe ₂ O ₃ composite optomagnetic nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 194105.	0.7	5
88	XANES: observation of quantum confinement in the conduction band of colloidal PbS quantum dots. <i>Journal of Physics: Conference Series</i> , 2013, 430, 012030.	0.3	5
89	Experimental and theoretical equation of state of DyVO ₄ polymorphs. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, s478-s479.	0.3	0
90	An XANES and XES investigation of the electronic structure of indium rich In _x Ga _{1-x} N films. <i>Journal of Alloys and Compounds</i> , 2011, 509, 9528-9535.	2.8	4

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91	Compressibility of CaMnO_3 : A study using a large-volume diffraction press. Powder Diffraction, 2011, 26, 262-266.	0.4	8
92	Study of structural changes caused by nanosecond laser annealing of Ge- and Sn-implanted Si crystal. Radiation Physics and Chemistry, 2011, 80, 1064-1067.	1.4	0
93	Spin-glass behavior in Ni-doped $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$. Physical Review B, 2009, 79, 114407.	1.1	104
94	Evolution of $\text{Pb}_{1-x}\text{Cd}_x\text{Te}$ Solid Solution Structure at High Temperatures. Acta Physica Polonica A, 2011, 119, 699-701.	0.2	6
95	Stability and thermal expansion of InN: an X-ray diffraction study. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C406-C406.	0.3	0
96	Investigation of gradient structures prepared by laser ablation method. , 2010, , .		0
97	Monocrystalline $\text{Cd}_{0.2}\text{Zn}_{0.8}\text{Te}$ solid solution obtained by self-selecting vapour growth. Crystal Research and Technology, 2010, 45, 895-898.	0.6	2
98	Comparison of dimethylzinc and diethylzinc as precursors for monocrystalline zinc oxide grown by atomic layer deposition method. Physica Status Solidi (B): Basic Research, 2010, 247, 1699-1701.	0.7	13
99	Equation of State of Zircon-Type TbVO_4 . Acta Physica Polonica A, 2010, 117, 319-322.	0.2	4
100	Magnetic Nature of a Ni Dopant in $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$: Spin-Glass Behavior. Acta Physica Polonica A, 2010, 118, 244-248.	0.2	1
101	From Cuprate to Nickelate: Evolution of the Normal State Properties with Ni from $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ to $\text{La}_{1.85}\text{Sr}_{0.15}\text{NiO}_4$. Acta Physica Polonica A, 2010, 118, 402-405.	0.2	3
102	Temperature-induced magnetic-anisotropy crossover in a Co/MgO/Co heterostructure. Journal of Applied Physics, 2009, 105, .	1.1	8
103	Pressure effect on magnetic and structural properties of $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$. Physical Review B, 2009, 79, .	1.1	17
104	Structural and magnetic properties of the molecular beam epitaxy grown MnSb layers on GaAs substrates. Journal of Applied Physics, 2009, 106, .	1.1	9
105	Silver behenate under high pressure: A powder diffraction study. Radiation Physics and Chemistry, 2009, 78, S105-S108.	1.4	2
106	Structure and Magnetic Characterization of $\text{BiFeO}_3/\text{YBa}_2\text{Cu}_3\text{O}_7$ Bilayers. Acta Physica Polonica A, 2009, 115, 95-97.	0.2	6
107	Controlling of preferential growth mode of ZnO thin films grown by atomic layer deposition. Journal of Crystal Growth, 2008, 310, 284-289.	0.7	78
108	Fabrication and characterization of nickel silicide ohmic contacts to n-type 4H silicon carbide. Journal of Physics: Conference Series, 2008, 100, 042003.	0.3	24

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109	ZnCoO Films Obtained at Low Temperature by Atomic Layer Deposition Using Organic Zinc and Cobalt Precursors. <i>Acta Physica Polonica A</i> , 2008, 114, 1235-1240.	0.2	6
110	Lattice parameter of microcrystalline gold in a broad temperature range. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2008, 64, C616-C616.	0.3	1
111	Phase composition of natural ilmenites used in white pigment production. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2008, 64, C502-C503.	0.3	0
112	Crystal structure of magnesium chromium vanadate $Mg_2CrV_3O_{11}$, a member of the $A_2B_3V_3O_{11}$ vanadate family. <i>Powder Diffraction</i> , 2007, 22, 246-252.	0.4	4
113	Anomalies of magnetic properties of layered crystals InSe containing Mn. <i>Materials Science and Engineering C</i> , 2007, 27, 1052-1055.	3.8	15
114	Improvement of ZnO thin film properties by application of ZnO buffer layers. <i>Journal of Crystal Growth</i> , 2007, 308, 93-98.	0.7	37
115	Quantitative phase analysis of cubic boron nitride based composites by X-ray absorption near edge structure. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 461-469.	1.5	9
116	Superconductivity and Magnetism in $Nd_{0.5}Sr_{0.5}MnO_3/YBa_2Cu_3O_7$ Superlattices. <i>Acta Physica Polonica A</i> , 2007, 111, 179-183.	0.2	1
117	Structural and magnetic properties of Cr/Gd multilayers. <i>Journal of Alloys and Compounds</i> , 2006, 423, 260-263.	2.8	1
118	Transport and magnetic characterization of $La_{0.885}Sr_{0.115}MnO_3/YBa_2Cu_3O_7$ superlattices. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 81-84.	0.8	0
119	X-ray photoelectron study of $Sn_{1-x}Mn_xTe$ semimagnetic semiconductors. <i>Applied Surface Science</i> , 2006, 252, 3632-3641.	3.1	22
120	Relationship between Condition of Deposition and Properties of W-Ti-N Thin Films Prepared by Reactive Magnetron Sputtering. <i>Advanced Engineering Materials</i> , 2006, 8, 209-212.	1.6	6
121	Interplay of superconductivity and ferromagnetism in $YBa_2Cu_3O_7/La_{1-x}Sr_xMnO_3$ heterostructures. <i>Superconductor Science and Technology</i> , 2006, 19, S38-S44.	1.8	21
122	Magnetic properties of ZnMnO films grown at low temperature by atomic layer deposition. <i>Applied Physics Letters</i> , 2006, 89, 051907.	1.5	38
123	Rietveld-Refinement Study of Aluminum and Gallium Nitrides.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
124	Combined XRD, EPMA and X-ray absorption study of mineral ilmenite used in pigments production. <i>Journal of Alloys and Compounds</i> , 2005, 401, 281-288.	2.8	23
125	Magnetic, Structural, and Optical Properties of Low Temperature ZnMnO Grown by Atomic Layer Epitaxy. <i>Acta Physica Polonica A</i> , 2005, 108, 915-921.	0.2	6
126	Structure and magnetic characterization of $La_{0.67}Sr_{0.33}MnO_3/YBa_2Cu_3O_7$ superlattices. <i>Journal of Applied Physics</i> , 2004, 95, 2906-2911.	1.1	22

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127	Magnetic properties of La _{0.67} Sr _{0.33} MnO ₃ /YBa ₂ Cu ₃ O ₇ superlattices. Physical Review B, 2004, 69, .	1.1	91
128	Thermal expansion of spinel-type Si ₃ N ₄ . Physical Review B, 2004, 69, .	1.1	31
129	Monocrystalline ZnO Films on GaN/Al ₂ O ₃ by Atomic Layer Epitaxy in Gas Flow. Chemistry of Materials, 2004, 16, 1447-1450.	3.2	30
130	Rietveld-refinement study of aluminium and gallium nitrides. Journal of Alloys and Compounds, 2004, 382, 100-106.	2.8	110
131	Synchrotron X-ray wavelength calibration using a diamond internal standard: application to low-temperature thermal-expansion studies. Journal of Alloys and Compounds, 2004, 382, 107-111.	2.8	5
132	Characterization of the c-BN/TiC, Ti ₃ SiC ₂ systems by element selective spectroscopy. Journal of Alloys and Compounds, 2004, 382, 187-194.	2.8	10
133	RIETVELD-REFINEMENT STUDY OF GALLIUM NITRIDE. , 2004, , .		0
134	Current-voltage characteristics of strained, highly underdoped La _{2-x} Sr _x CuO ₄ thin films. Superconductor Science and Technology, 0, , .	1.8	0