Yuri Kudryavtsev

List of Publications by Year
in descending order

58 papers	706 citations	516710 16 h-index	580821 25 g-index
58 all docs	58 docs citations	58 times ranked	856 citing authors

#	Article	IF	Citations
1	Solid-state reaction in Ni/Si multilayered films, characterized by magneto-optical and optical spectroscopies. International Journal of Materials Research, 2022, 97, 136-139.	0.3	0
2	Magnetic and transport properties of Niâ€“Mnâ€“In Heusler alloy films: the effect of structural disorder. European Physical Journal B, 2021, 94, 1.	1.5	0
3	Effect of the temperature and magnetic field induced martensitic transformation in bulk Fe45Mn26Ga29 alloy on its electronic structure and physical properties. Intermetallics, 2019, 109, 85-90.	3.9	3
4	Optical properties of Feâ€“Mnâ€“Ga alloys. Journal of Physics Condensed Matter, 2019, 31, 235501.	1.8	3
5	Mixed structural face-centered cubic and body-centered cubic orders in near stoichiometric Fe2MnGa alloys. Journal of Applied Physics, 2016, 119, .	2.5	12
6	Tunnel injection of spin-polarized current in Co2CrxFe1â^'xAl (x = 1, 0.6) insulator-superconductor heterostructures. Low Temperature Physics, 2016, 42, 181-188.	0.6	1
7	Structural and magnetic properties, and electronic structures of Fe-Mn-Ga alloys. Journal of the Korean Physical Society, 2013, 62, 1508-1513.	0.7	2
8	Effect of Martensitic Transformation on the Optical Spectra of Cu-Mn-Al Alloy. Materials Science Forum, 2013, 738-739, 177-182.	0.3	0
9	Electronic structure, magnetic and optical properties of Heusler alloy. Acta Materialia, 2012, 60, 4780-4786.	7.9	50
10	Electronic structure, optical and magnetic properties of Co2FeGe Heusler alloy films. Journal of Applied Physics, 2012, 112, .	2.5	27
11	Transport properties of Co2CrAl Heusler alloy films. European Physical Journal B, 2012, 85, 1.	1.5	19
12	Tunnel spin injection and the conductivity of ferromagnet-superconductor heterostructures with zero bias. Low Temperature Physics, 2011, 37, 489-495.	0.6	5
13	Electronic structure, optical, and magneto-optical properties of Co2CrGa Heusler alloy films: Experimental and theoretical study. Journal of Applied Physics, 2010, 108, 113708.	2.5	17
14	Electric Signatures of Structural and Chemical Ordering of Heusler Alloy Films. IEEE Transactions on Magnetics, 2009, 45, 2534-2537.	2.1	2
15	Effect of disorder on various physical properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu alloy films: Experiment and theory. Physical Review B, 2008, 77, .	3.2	68
16	<title>Deposition of films and layers for sensors with PLD and LIFT method</title>. Proceedings of SPIE, 2008, , .	0.8	0
17	Optical and Magneto-Optical Properties of Fe-Mn Alloy Films. Journal of the Korean Physical Society, 2008, 52, 20.	0.7	0
18	Optical properties of Co silicides: Experiment and density functional theory. Journal of Applied Physics, 2007, 102, 103503.	2.5	7

#	Article	IF	Citations
19	Evolution of the magnetic properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:mi mathvariant="normal">Ga</mml:mi></mml:mrow></mml:math>Heusler alloy films: From amorphous to ordered films. Physical Review B, 2007, 76, .	3.2	29
20	Laser deposition of semiconductor thin films based on iron oxides. Journal Physics D: Applied Physics, 2007, 40, 4866-4871.	2.8	17
21	Magnetic effects of structural disorder in the itinerant ferromagnet Ni3Al studied by magnetic and neutron methods on stoichiometric and off-stoichiometric samples. Journal of Alloys and Compounds, 2006, 423, 267-273.	5.5	6
22	Magnetic properties of Ni-Mn-Ga Heusler alloy films. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 143-146.	0.8	8
23	The effect of Ge substitution in Ni2MnGa1â€“xGex Heusler alloys and films. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 147-150.	0.8	5
24	Solid-state reaction in Ni/Si multilayered films, characterized by magneto-optical and optical spectroscopies. International Journal of Materials Research, 2006, 97, 136-139.	0.3	0
25	Structural dependence of some physical properties of the Ni2MnGe Heusler alloy films. Journal of Applied Physics, 2006, 99, 063902.	2.5	22
26	Peculiarities in the electronic band structures of Crâ•Cu multilayered nanostructures and Cr1â’xCux metastable alloy films: Ab initio linearized-augmented plane-wave and experimental optical studies. Journal of Applied Physics, 2006, 100, 023517.	2.5	3
27	Spectroscopic ellipsometric evidence of the solid-state reactions in Ni/SiÂmultilayered films, induced by ion-beam mixing andÂthermalÂannealing. European Physical Journal B, 2005, 44, 431-438.	1.5	4
28	Effect of structural disorder on some physical properties of the Cu2MnAl Heusler alloy films. Journal of Applied Physics, 2005, 97, 113903.	2.5	25
29	Effect of Structural Disordering on the Magnetic, Magneto-Optical and Optical Properties of the Ni₂MnIn Heusler Alloy Films. Materials Science Forum, 2005, 480-481, 623-628.	0.3	1
30	NiMnGa Ferromagnetic Shape Memory Films. European Physical Journal D, 2004, 54, 213-216.	0.4	0
31	Martensitic transformation in Ni2MnGa films: A ferromagnetic resonance study. Journal of Applied Physics, 2004, 95, 2912-2917.	2.5	29
32	Dependence of the optical and magneto-optical properties and electronic structures on the atomic order inNi2MnInHeusler alloys. Physical Review B, 2004, 69, .	3.2	31
33	Effect of structural disordering on magnetic properties of stoichiometric Ni2MnGa alloy films. Physica Status Solidi A, 2003, 196, 49-52.	1.7	12
34	Magneto-optical, optical and magnetic properties of the Mn1xFex alloy films. Physica Status Solidi A, 2003, 196, 149-152.	1.7	0
35	Peculiar magneto-optical and magnetic properties of Auâ€“Fe alloy films and Au/Fe multilayered films. Physica Status Solidi A, 2003, 196, 197-200.	1.7	9
36	Electronic structures and some physical properties of Ni3Al alloys. Physica Status Solidi (B): Basic Research, 2003, 236, 527-530.	1.5	0

#	Article	IF	Citations
37	Electronic structure and magnetic properties of Ni2MnGa alloy films with different structural orders. Journal of Applied Physics, 2003, 93, 5527-5530.	2.5	16
38	Optical, magneto-optical, and magnetic properties of stoichiometric and off-stoichiometricÎ³â€²â˜phaseNi3Alalloys. Physical Review B, 2003, 68, .	3.2	16
39	Optical and magneto-optical properties of nanocrystalline Fe-rich Fe-Si alloy films. Physical Review B, 2003, 68, .	3.2	8
40	Magneto-optical and optical properties of Fe-rich Au-Fe alloy films near the fcc-bcc structural transformation region. Physical Review B, 2003, 67, .	3.2	38
41	Magnetic, magneto-optical, and transport properties of ferromagnetic shape-memory Ni2MnGa alloy. Journal of Applied Physics, 2003, 93, 6975-6977.	2.5	20
42	Modified physical properties by ion-beam mixing of Feâ€“Si multilayered films. Journal of Applied Physics, 2002, 91, 7194.	2.5	5
43	Structural and temperature dependence of the optical and magneto-optical properties of the HeuslerNi2MnGaalloy. Physical Review B, 2002, 66, .	3.2	39
44	Effect of the structural disorder on the magnetic, transport, and optical properties of B2-phase Ni0.50Al0.50 alloy films. Journal of Applied Physics, 2002, 91, 4364-4373.	2.5	9
45	Electronic Structures and Change of the Magnetic and Optical Property due to Structural Disordering of theB2-phase Coâ€“Al Alloys. Japanese Journal of Applied Physics, 2002, 41, 2074-2081.	1.5	4
46	Influence of structural transition on transport and optical properties of Ni[sub 2]MnGa alloy. Journal of Applied Physics, 2002, 91, 9894.	2.5	26
47	Modification of the structure and the physical properties of Fe/Si multilayered films by ion-beam mixing. Physical Review B, 2002, 65, .	3.2	19
48	Dependence of the transport properties on the long range order of Î²-phase Co0.50Ti0.50 alloy films. Journal of Applied Physics, 2001, 89, 3315-3318.	2.5	0
49	Properties of spin-polarized Pt in magneto-optical Co/Pt multilayered films. Physical Review B, 2001, 63, .	3.2	16
50	Interfaces of Fe/Si multilayered films with a strong antiferromagnetic coupling analyzed by optical and magneto-optical spectroscopies. Journal of Applied Physics, 2001, 90, 2903-2910.	2.5	10
51	Magneto-optical spectroscopy study of the solid-state reaction in Ti/Ni multilayered films. Journal of Applied Physics, 2000, 88, 2430-2436.	2.5	15
52	Magnetic and optical properties of ordered and disordered B2-phase Coâ€“Al alloys. Journal of Applied Physics, 2000, 87, 5887-5889.	2.5	14
53	Properties of the Interfacial Regions in Fe/Si Multilayered Films. Journal of the Korean Physical Society, 2000, 37, 573-578.	0.7	2
54	Effects of Structural Disorder on the Transport Properties ofB2-phase Fe0.52Al0.48Alloy Films. Japanese Journal of Applied Physics, 1999, 38, 6401-6404.	1.5	2

#	Article	IF	Citations
55	Influence of structural disorder on the magnetic, optical, and transport properties offÎ²-phaseCo0.50Ti0.50alloy films. Physical Review B, 1999, 60, 8067-8074.	3.2	9
56	Influence of structural disorder on the temperature dependence of the transport and magnetic properties of Î²-phaseCoxAl1âˆ’xalloy films. Physical Review B, 1999, 59, 546-553.	3.2	15
57	Structural transition of Fe and Co sublayers in Fe/Zr and Co/Zr multilayered films investigated by magneto-optical spectroscopy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1998, 16, 389-392.	2.1	6
58	Properties of Magneto-Optical Co-Pt and Magnetoresistive Co-Cu Alloy Films. Materials Research Society Symposia Proceedings, 1997, 475, 437.	0.1	0