

# Yuri Kudryavtsev

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5952589/publications.pdf>

Version: 2024-02-01

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	Effect of disorder on various physical properties of $\text{Co}_2\text{MnGa}$ alloy films: Experiment and theory. Physical Review B, 2008, 77, .	3.2	68
2	Electronic structure, magnetic and optical properties of Heusler alloy. Acta Materialia, 2012, 60, 4780-4786.	7.9	50
3	Structural and temperature dependence of the optical and magneto-optical properties of the Heusler $\text{Ni}_2\text{MnGa}$ alloy. Physical Review B, 2002, 66, .	3.2	39
4	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
5	Dependence of the optical and magneto-optical properties and electronic structures on the atomic order in $\text{Ni}_2\text{MnIn}$ Heusler alloys. Physical Review B, 2004, 69, .	3.2	31
6	Martensitic transformation in $\text{Ni}_2\text{MnGa}$ films: A ferromagnetic resonance study. Journal of Applied Physics, 2004, 95, 2912-2917.	2.5	29
7	Evolution of the magnetic properties of $\text{Co}_2\text{MnGa}$ Heusler alloy films: From amorphous to ordered films. Physical Review B, 2007, 76, .	3.2	29
8	Electronic structure, optical and magnetic properties of $\text{Co}_2\text{FeGe}$ Heusler alloy films. Journal of Applied Physics, 2012, 112, .	2.5	27
9	Influence of structural transition on transport and optical properties of $\text{Ni}_{[2]}\text{MnGa}$ alloy. Journal of Applied Physics, 2002, 91, 9894.	2.5	26
10	Effect of structural disorder on some physical properties of the $\text{Cu}_2\text{MnAl}$ Heusler alloy films. Journal of Applied Physics, 2005, 97, 113903.	2.5	25
11	Structural dependence of some physical properties of the $\text{Ni}_2\text{MnGe}$ Heusler alloy films. Journal of Applied Physics, 2006, 99, 063902.	2.5	22
12	Magnetic, magneto-optical, and transport properties of ferromagnetic shape-memory $\text{Ni}_2\text{MnGa}$ alloy. Journal of Applied Physics, 2003, 93, 6975-6977.	2.5	20
13	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
14	Transport properties of $\text{Co}_2\text{CrAl}$ Heusler alloy films. European Physical Journal B, 2012, 85, 1.	1.5	19
15	Laser deposition of semiconductor thin films based on iron oxides. Journal Physics D: Applied Physics, 2007, 40, 4866-4871.	2.8	17
16	Electronic structure, optical, and magneto-optical properties of $\text{Co}_2\text{CrGa}$ Heusler alloy films: Experimental and theoretical study. Journal of Applied Physics, 2010, 108, 113708.	2.5	17
17	Properties of spin-polarized Pt in magneto-optical Co/Pt multilayered films. Physical Review B, 2001, 63, .	3.2	16
18	Electronic structure and magnetic properties of $\text{Ni}_2\text{MnGa}$ alloy films with different structural orders. Journal of Applied Physics, 2003, 93, 5527-5530.	2.5	16

#	ARTICLE	IF	CITATIONS
19	Optical, magneto-optical, and magnetic properties of stoichiometric and off-stoichiometric $\text{L}_{1-2}$ phase $\text{Ni}_3\text{Al}$ alloys. <i>Physical Review B</i> , 2003, 68, .	3.2	16
20	Influence of structural disorder on the temperature dependence of the transport and magnetic properties of $\text{L}_{1-2}$ phase $\text{Co}_x\text{Al}_{1-x}$ alloy films. <i>Physical Review B</i> , 1999, 59, 546-553.	3.2	15
21	Magneto-optical spectroscopy study of the solid-state reaction in Ti/Ni multilayered films. <i>Journal of Applied Physics</i> , 2000, 88, 2430-2436.	2.5	15
22	Magnetic and optical properties of ordered and disordered B2-phase $\text{Co-Al}$ alloys. <i>Journal of Applied Physics</i> , 2000, 87, 5887-5889.	2.5	14
23	Effect of structural disordering on magnetic properties of stoichiometric $\text{Ni}_2\text{MnGa}$ alloy films. <i>Physica Status Solidi A</i> , 2003, 196, 49-52.	1.7	12
24	Mixed structural face-centered cubic and body-centered cubic orders in near stoichiometric $\text{Fe}_2\text{MnGa}$ alloys. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	12
25	Interfaces of Fe/Si multilayered films with a strong antiferromagnetic coupling analyzed by optical and magneto-optical spectroscopies. <i>Journal of Applied Physics</i> , 2001, 90, 2903-2910.	2.5	10
26	Influence of structural disorder on the magnetic, optical, and transport properties of $\text{L}_{1-2}$ phase $\text{Co}_{0.5}\text{Ti}_{0.5}$ alloy films. <i>Physical Review B</i> , 1999, 60, 8067-8074.	3.2	9
27	Effect of the structural disorder on the magnetic, transport, and optical properties of B2-phase $\text{Ni}_{0.5}\text{Al}_{0.5}$ alloy films. <i>Journal of Applied Physics</i> , 2002, 91, 4364-4373.	2.5	9
28	Peculiar magneto-optical and magnetic properties of $\text{Au-Fe}$ alloy films and Au/Fe multilayered films. <i>Physica Status Solidi A</i> , 2003, 196, 197-200.	1.7	9
29	Optical and magneto-optical properties of nanocrystalline Fe-rich Fe-Si alloy films. <i>Physical Review B</i> , 2003, 68, .	3.2	8
30	Magnetic properties of Ni-Mn-Ga Heusler alloy films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 143-146.	0.8	8
31	Optical properties of Co silicides: Experiment and density functional theory. <i>Journal of Applied Physics</i> , 2007, 102, 103503.	2.5	7
32	Structural transition of Fe and Co sublayers in Fe/Zr and Co/Zr multilayered films investigated by magneto-optical spectroscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1998, 16, 389-392.	2.1	6
33	Magnetic effects of structural disorder in the itinerant ferromagnet $\text{Ni}_3\text{Al}$ studied by magnetic and neutron methods on stoichiometric and off-stoichiometric samples. <i>Journal of Alloys and Compounds</i> , 2006, 423, 267-273.	5.5	6
34	Modified physical properties by ion-beam mixing of $\text{Fe-Si}$ multilayered films. <i>Journal of Applied Physics</i> , 2002, 91, 7194.	2.5	5
35	The effect of Ge substitution in $\text{Ni}_2\text{MnGa}_{1-x}\text{Ge}_x$ Heusler alloys and films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 147-150.	0.8	5
36	Tunnel spin injection and the conductivity of ferromagnet-superconductor heterostructures with zero bias. <i>Low Temperature Physics</i> , 2011, 37, 489-495.	0.6	5

#	ARTICLE	IF	CITATIONS
37	Electronic Structures and Change of the Magnetic and Optical Property due to Structural Disorder of the B2-phase Co <sub>1-x</sub> Al Alloys. Japanese Journal of Applied Physics, 2002, 41, 2074-2081.	1.5	4
38	Spectroscopic ellipsometric evidence of the solid-state reactions in Ni/Si multilayered films, induced by ion-beam mixing and thermal annealing. European Physical Journal B, 2005, 44, 431-438.	1.5	4
39	Peculiarities in the electronic band structures of Cr <sub>1-x</sub> Cu multilayered nanostructures and Cr <sub>1-x</sub> Cu metastable alloy films: Ab initio linearized-augmented plane-wave and experimental optical studies. Journal of Applied Physics, 2006, 100, 023517.	2.5	3
40	Effect of the temperature and magnetic field induced martensitic transformation in bulk Fe <sub>45</sub> Mn <sub>26</sub> Ga <sub>29</sub> alloy on its electronic structure and physical properties. Intermetallics, 2019, 109, 85-90.	3.9	3
41	Optical properties of Fe <sub>1-x</sub> Mn <sub>x</sub> Ga alloys. Journal of Physics Condensed Matter, 2019, 31, 235501.	1.8	3
42	Effects of Structural Disorder on the Transport Properties of B2-phase Fe <sub>0.52</sub> Al <sub>0.48</sub> Alloy Films. Japanese Journal of Applied Physics, 1999, 38, 6401-6404.	1.5	2
43	Electric Signatures of Structural and Chemical Ordering of Heusler Alloy Films. IEEE Transactions on Magnetics, 2009, 45, 2534-2537.	2.1	2
44	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
45	Properties of the Interfacial Regions in Fe/Si Multilayered Films. Journal of the Korean Physical Society, 2000, 37, 573-578.	0.7	2
46	Effect of Structural Disorder on the Magnetic, Magneto-Optical and Optical Properties of the Ni <sub>2</sub> MnIn Heusler Alloy Films. Materials Science Forum, 2005, 480-481, 623-628.	0.3	1
47	Tunnel injection of spin-polarized current in Co <sub>2</sub> CrxFe <sub>1-x</sub> Al (x = 1, 0.6) insulator-superconductor heterostructures. Low Temperature Physics, 2016, 42, 181-188.	0.6	1
48	Properties of Magneto-Optical Co-Pt and Magnetoresistive Co-Cu Alloy Films. Materials Research Society Symposia Proceedings, 1997, 475, 437.	0.1	0
49	Dependence of the transport properties on the long range order of $\hat{I}^2$ -phase Co <sub>0.50</sub> Ti <sub>0.50</sub> alloy films. Journal of Applied Physics, 2001, 89, 3315-3318.	2.5	0
50	Magneto-optical, optical and magnetic properties of the Mn <sub>1-x</sub> Fe <sub>x</sub> alloy films. Physica Status Solidi A, 2003, 196, 149-152.	1.7	0
51	Electronic structures and some physical properties of Ni <sub>3</sub> Al alloys. Physica Status Solidi (B): Basic Research, 2003, 236, 527-530.	1.5	0
52	NiMnGa Ferromagnetic Shape Memory Films. European Physical Journal D, 2004, 54, 213-216.	0.4	0
53	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
54	<title>Deposition of films and layers for sensors with PLD and LIFT method</title>; Proceedings of SPIE, 2008, , .	0.8	0

#	ARTICLE	IF	CITATIONS
55	Effect of Martensitic Transformation on the Optical Spectra of Cu-Mn-Al Alloy. Materials Science Forum, 2013, 738-739, 177-182.	0.3	0
56	Magnetic and transport properties of Ni-Mn-In Heusler alloy films: the effect of structural disorder. European Physical Journal B, 2021, 94, 1.	1.5	0
57	Optical and Magneto-Optical Properties of Fe-Mn Alloy Films. Journal of the Korean Physical Society, 2008, 52, 20.	0.7	0
58	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