

Anatolii F Kravets

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Magnetic and transport properties of Ni ϵ -Mn ϵ -In Heusler alloy films: the effect of structural disorder. <i>European Physical Journal B</i> , 2021, 94, 1.	1.5	0
2	Isotropic FMR frequency enhancement in thin Py/FeMn bilayers under strong magnetic proximity effect. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 305003.	2.8	5
3	Temperature and thickness dependent magnetostatic properties of [Fe/Py]/FeMn/Py multilayers. <i>Low Temperature Physics</i> , 2021, 47, 483-487.	0.6	1
4	Higher-order ferromagnetic resonances in periodic arrays of synthetic-antiferromagnet nanodisks. <i>Applied Physics Letters</i> , 2021, 119, 192402.	3.3	3
5	Spin-current dissipation in a thin-film bilayer ferromagnet/antiferromagnet. <i>Low Temperature Physics</i> , 2020, 46, 813-819.	0.6	1
6	Influence of Nanosize Effect and Non-Magnetic Dilution on Interlayer Exchange Coupling in Fe ϵ -Cr/Cr Nanostructures. <i>Ukrainian Journal of Physics</i> , 2020, 65, 898.	0.2	0
7	Spin-dependent scattering and magnetic proximity effect in Ni-doped Co/Cu multilayers as a probe of atomic magnetism. <i>Journal of Applied Physics</i> , 2019, 125, 023907.	2.5	1
8	Magnetic Hysteresis in Nanostructures with Thermally Controlled RKKY Coupling. <i>Nanoscale Research Letters</i> , 2018, 13, 245.	5.7	4
9	Spin relaxation in multilayers with synthetic ferrimagnets. <i>Physical Review B</i> , 2018, 98, .	3.2	5
10	Giant magnetocaloric effect driven by indirect exchange in magnetic multilayers. <i>Physical Review Materials</i> , 2018, 2, .	2.4	12
11	Ferromagnetic resonance and interlayer exchange coupling in magnetic multilayers with compositional gradients. <i>AIP Advances</i> , 2017, 7, 056307.	1.3	3
12	Magnetic anisotropy of epitaxial Co ₂ Fe-Ge Heusler alloy films on MgO (100) substrates. <i>AIP Advances</i> , 2017, 7, 055831.	1.3	6
13	Effect of nanostructure layout on spin pumping phenomena in antiferromagnet/nonmagnetic metal/ferromagnet multilayered stacks. <i>AIP Advances</i> , 2017, 7, 056312.	1.3	3
14	Thermally induced antiferromagnetic exchange in magnetic multilayers. <i>Physical Review B</i> , 2017, 96, .	3.2	9
15	Thermal switching of indirect interlayer exchange in magnetic multilayers. <i>Europhysics Letters</i> , 2017, 118, 37006.	2.0	6
16	Current-driven thermo-magnetic switching in magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	4
17	Effect of Magnetic and Nonmagnetic Layers Parameters on Dissipation Processes in Multilayer Nanostructures with Antiferromagnetic Component. <i>Journal of Nano- and Electronic Physics</i> , 2017, 9, 03001-1-03001-6.	0.5	0
18	Ferromagnetic resonance in nanostructures with temperature-controlled interlayer interaction. <i>Low Temperature Physics</i> , 2016, 42, 761-767.	0.6	1

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19	Anisotropic magnetization relaxation in ferromagnetic multilayers with variable interlayer exchange coupling. <i>Physical Review B</i> , 2016, 94, .	3.2	21
20	Strong plasmon enhancement of magneto-optical Kerr rotation in Co ϵ AlO nanogranular films coated with gold nanoparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 302.	2.1	9
21	Ferromagnetic resonance evidence of spinodal decomposition of Ni Cu ϵ (0.5 <x< 1) alloy films. <i>Thin Solid Films</i> , 2016, 603, 424-427.	1.8	0
22	Spin dynamics in a Curie-switch. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 446003.	1.8	12
23	Synthetic ferrimagnets with thermomagnetic switching. <i>Physical Review B</i> , 2014, 90, .	3.2	26
24	Rotatable magnetic anisotropy in Si/SiO ϵ 2/(Co ϵ 2/Fe) ϵ 2/Ge ϵ 1 ϵ Heusler alloy films. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 416003.	1.8	6
25	Temperature-controlled interlayer exchange coupling in strong/weak ferromagnetic multilayers: A thermomagnetic Curie switch. <i>Physical Review B</i> , 2012, 86, .	3.2	43
26	Electronic structure, optical and magnetic properties of Co ϵ FeGe Heusler alloy films. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	27
27	Exchange-induced phase separation in Ni ϵ Cu films. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2131-2135.	2.3	13
28	Magneto-optical and magnetoresistive properties of CoFe ϵ MgO nanocomposite films. <i>Journal of Applied Physics</i> , 2010, 107, 09A947.	2.5	2
29	Plasmonic blackbody: Strong absorption of light by metal nanoparticles embedded in a dielectric matrix. <i>Physical Review B</i> , 2010, 81, .	3.2	96
30	Magnetorefectance of ferromagnetic metal-insulator granular films with tunneling magnetoresistance. <i>Physical Review B</i> , 2009, 79, .	3.2	10
31	Magneto-resonance Research of Cox(Al ϵ O ϵ) ϵ 1-x Nanogranular Films in the Vicinity of Magnetic Phase Transition. , 2007, , .		0
32	Cubic and quadratic nonlinear magneto-optical Kerr effect in magnetic nanogranular films. , 2006, , .		0
33	Magnetization-induced optical third-harmonic generation in Co and Fe nanostructures. <i>Physical Review B</i> , 2006, 73, .	3.2	11
34	Magnetization-Induced Third-Harmonic Generation in Nanostructures and Thin Films. <i>Physics of the Solid State</i> , 2005, 47, 153.	0.6	0
35	Magnetization-induced second- and third-harmonic generation in magnetic thin films and nanoparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 138.	2.1	31
36	Optical and magneto-optical properties and magnetorefractive effect in metal-insulator CoFe ϵ Al ϵ O ϵ 3 granular films. <i>Journal of Applied Physics</i> , 2005, 98, 043705.	2.5	16

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37	Nonlinear magneto-optics of nanogranular films. Materials Research Society Symposia Proceedings, 2004, 834, 227.	0.1	0
38	Magnetization-induced third harmonic generation in magnetic nanogranular films: Correlation with giant magnetoresistance. JETP Letters, 2004, 79, 155-159.	1.4	4
39	Specific features of the reflection of infrared radiation by crystalline dielectrics in a magnetic field. Journal of Experimental and Theoretical Physics, 2004, 99, 1189-1192.	0.9	3
40	Tunneling magnetoresistance in granular cermet films with particle size distribution. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1403-E1405.	2.3	12
41	Magnetic properties of heterogeneous (FeNi) \hat{e} Ag films in a wide composition range. Thin Solid Films, 2003, 423, 218-223.	1.8	16
42	Magnetic structure in FeCo \hat{e} Al ₂ O ₃ granular films studied by the ferromagnetic resonance. Physica Status Solidi A, 2003, 196, 157-160.	1.7	4
43	Magnetorefractive effect in (Co ₅₀ Fe ₅₀) _x (Al ₂ O ₃) _{1\hat{a}^x} granular films. Physics of the Solid State, 2003, 45, 1530-1536.	0.6	5
44	Ferromagnetic resonance experiments in an obliquely deposited FeCo \hat{e} Al ₂ O ₃ film system. Journal of Applied Physics, 2003, 94, 6631-6638.	2.5	12
45	Room temperature tunneling magnetoresistance of electron beam deposited (Co ₅₀ Fe ₅₀) _x (Al ₂ O ₃) _{1\hat{a}^x} granular films. Journal of Applied Physics, 2003, 94, 10017.	2.5	36
46	Correlation between the magnetorefractive effect, giant magnetoresistance, and optical properties of Co-Ag granular magnetic films. Physical Review B, 2002, 65, .	3.2	60
47	Infrared reflectance and magnetorefractive effects in metal \hat{e} insulator CoFe \hat{e} Al ₂ O ₃ granular films. Journal of Applied Physics, 2002, 91, 8795.	2.5	30
48	Influence of particle size distribution in cermet nanocomposites on magnetoresistance sensitivity. IEEE Transactions on Magnetics, 2002, 38, 2631-2633.	2.1	8
49	Magneto-transport properties of CoFe-Al ₂ O ₃ granular films in the vicinity of the percolation threshold. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 476-478.	2.3	20
50	Effective fields in FeCo-Al ₂ O ₃ granular films. IEEE Transactions on Magnetics, 2001, 37, 2219-2222.	2.1	4
51	Magnetic ordering in granular system. Physics of the Solid State, 2000, 42, 126-131.	0.6	5
52	Optical and magneto-optical properties of (CoFe) _x (HfO ₂) _{1\hat{a}^x} magnetic granular films. Journal of Applied Physics, 2000, 87, 1762-1768.	2.5	30
53	Structural and magnetic study of heterogeneous Co _x Ag _{1\hat{a}^x} films by resonance and magnetometric techniques. Physical Review B, 1999, 60, 12200-12206.	3.2	29
54	Study of optical and magneto-optical properties of CoFe \hat{e} HfO ₂ granular magnetic films. Physica E: Low-Dimensional Systems and Nanostructures, 1999, 4, 292-299.	2.7	6

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55	Influence of co-evaporation technique on the structural and magnetic properties of CoCu granular films. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 29-30.	2.3	23
56	GMR in co-evaporated Co—Ag granular thin films. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 40-42.	2.3	14
57	Composition dependence of transport properties in Co—Cu granular films. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 43-44.	2.3	3
58	FMR study of granular permalloy-silver films. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 131-133.	2.3	3
59	Ferromagnetic resonance in granular thin films. Journal of Applied Physics, 1999, 85, 5654-5656.	2.5	72
60	Effect of annealing and chemical composition on the giant magnetoresistance of electron beam deposited $\text{Co}_x\text{Cu}_{(100-x)}$ ($11 \leq x \leq 45$) granular films. Journal of Magnetism and Magnetic Materials, 1998, 186, 87-96.	2.8	23
61	Investigation of Structural, Magnetic and Transport Properties of Granular $\text{Co}_x\text{Cu}_{1-x}$ Films. , 1998, , 519-524.		0
62	Optical and magneto-optical spectra of magnetic granular alloys. Physica A: Statistical Mechanics and Its Applications, 1997, 241, 45-51.	2.6	30