

Alexander Kuzmenko

List of Publications by Year in descending order

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papers

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1307594

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docs citations

33
times ranked

162
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and magnetic properties of $\text{In}_{1-x}\text{Mn}_x\text{Sb}$: Effect of Mn complexes and MnSb nanoprecipitates. Journal of Applied Physics, 2013, 113, .	2.5	26
2	Dispersion of zirconium dioxide by pulsed laser radiation. Technical Physics, 2011, 56, 254-258.	0.7	20
3	Structure and properties of (Zr-Ti-Cr-Nb)N multielement superhard coatings. Journal of Superhard Materials, 2015, 37, 101-111.	1.2	16
4	Nonlinear domain wall dynamics in yttrium and thulium orthoferrites. Journal of Applied Physics, 1982, 53, 7864-7866.	2.5	12
5	Domain wall structure of weak ferromagnets according to Raman. Journal of Magnetism and Magnetic Materials, 2012, 324, 1262-1264.	2.3	12
6	Raman imaging of domains and fine structure of domain walls in YFeO_3 crystals. Technical Physics Letters, 2011, 37, 1058-1061.	0.7	10
7	Nanostructuring a steel surface by electrospark treatment with new electrode materials based on tungsten carbide. Surface Engineering and Applied Electrochemistry, 2011, 47, 217-224.	0.8	9
8	Observation of domain-wall dynamic lattice distortion in rare-earth orthoferrites while overcoming the sound barrier. Journal of Magnetism and Magnetic Materials, 2002, 238, 109-114.	2.3	6
9	Elastically induced mechanism of magnetization reversal in orthoferrites. Journal of Magnetism and Magnetic Materials, 2003, 257, 327-334.	2.3	6
10	Excitation of bending vibration by a moving domain wall in a plate of yttrium orthoferrite. Journal of Magnetism and Magnetic Materials, 2006, 302, 436-438.	2.3	6
11	Magneto-elastic resonant phenomena at the motion of the domain wall in weak ferromagnets. Journal of Magnetism and Magnetic Materials, 2007, 310, 1610-1612.	2.3	6
12	Thermocapillary mechanism of laser-stimulated agglomeration of ultradisperse and colloidal-ionic gold. Technical Physics Letters, 2009, 35, 837-840.	0.7	6
13	Thermocapillary extraction and laser-induced agglomeration of fine gold out of mineral and waste complexes. Journal of Mining Science, 2011, 47, 850-860.	0.6	5
14	Effect of electric fields on the surface of nanostructured electrodes on charge formation. Technical Physics, 2013, 58, 239-244.	0.7	5
15	Supersonic nonlinear dynamics of domain walls in rare-earth orthoferrites. Journal of Magnetism and Magnetic Materials, 2003, 263, 113-120.	2.3	4
16	Study of the structural and dimensional features of the magnetization reversal in transparent weak ferromagnets. Physics of Metals and Metallography, 2008, 106, 164-172.	1.0	4
17	Interaction of a moving domain wall with surface magnetoelastic waves in yttrium orthoferrite. Technical Physics, 2008, 53, 1433-1440.	0.7	4
18	Retardation of a moving domain wall in weak ferromagnets. Physics of the Solid State, 2008, 50, 1076-1080.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Rock failure under laser radiation. Journal of Mining Science, 2013, 49, 749-756.	0.6	3
20	Low-temperature domain-wall dynamics in weak ferromagnets. Low Temperature Physics, 2002, 28, 337.	0.6	2
21	Nonlinear magnetoacoustic interactions in weak ferromagnets. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 1364-1366.	0.6	2
22	Copper surface structuring under the action of electric discharge. Technical Physics Letters, 2010, 36, 652-655.	0.7	2
23	Magnetotransport properties of InSb-MnSb nanostructured films. EPJ Web of Conferences, 2018, 185, 06003.	0.3	2
24	RF-Magnetron Sputtering of Si ₃ N ₄ and Study of Si ₃ N ₄ /p-Si Heterostructures. Journal of Nanoelectronics and Optoelectronics, 2014, 9, 570-575.	0.5	2
25	Diffraction of light by dynamic elastic deformations of a moving domain wall in orthoferrites on breaking through the sound barrier. Physics of the Solid State, 2001, 43, 692-697.	0.6	1
26	Specific features in supersonic nonlinear dynamics of domain walls in rare-earth orthoferrites. Physics of the Solid State, 2002, 44, 902-910.	0.6	1
27	Dynamical self-organized periodic superstructures in supersonic dynamics of domain wall in orthoferrites. Journal of Magnetism and Magnetic Materials, 2003, 263, 88-92.	2.3	1
28	Laser ablation ZrO ₂ on a surface (111) silicone and treatment raw mineral containing superdispersed Au. , 2005, , .		1
29	Two-Dimensional Surface Topological Nanolayers and Dirac Fermions in Single Crystals of the Diluted Magnetic Semiconductor (Cd ^x Y ^y Zn _x Mn _y) ₃ As ₂ (x + y = 0.3). Crystals, 2020, 10, 988.	2.2	1
30	Investigation of self-organisation structures in supersonic dynamics of domain wall in orthoferrites. , 0, , .		0
31	Magnetoacoustic shear waves in orthoferrite plates. Russian Physics Journal, 2008, 51, 1233-1235.	0.4	0
32	Surface structurization during laser treatment of metals. Russian Physics Journal, 2008, 51, 1230-1232.	0.4	0
33	Influence of high-temperature annealing on physical and mechanical properties of Nb-Si-N coating. , 2017, , .		0