

Wera Lukshina

List of Publications by Year in descending order

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papers

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1163117

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22
times ranked

92
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic displacements and short-range order in the FeSi soft magnetic alloy: Experiment and ab initio calculations. <i>Physics of the Solid State</i> , 2007, 49, 2290-2297.	0.6	26
2	Role of magnetism in the formation of a short-range order in iron-silicon alloys. <i>Journal of Experimental and Theoretical Physics</i> , 2011, 112, 848-859.	0.9	23
3	Lattice distortions near impurity atoms in $\hat{1}\pm\text{-Fe}1\hat{a}^{\sim}x$ Six alloys. <i>Physics of the Solid State</i> , 2007, 49, 67-74.	0.6	19
4	Anisotropy of the local atomic structure in Fe-(5 \hat{a} €“6 at. %) Si single crystals as the cause of formation and stability of induced magnetic anisotropy. <i>Physics of the Solid State</i> , 2006, 48, 314-321.	0.6	18
5	X-ray diffraction studies of specific features in the atomic structure of Fe-Si alloys in the $\hat{1}\pm$ area of the phase diagram. <i>Physics of the Solid State</i> , 2009, 51, 441-447.	0.6	14
6	Short-Range Order in $\hat{1}\pm\text{-FeAl}$ Soft Magnetic Alloy. <i>Physics of the Solid State</i> , 2018, 60, 1661-1673.	0.6	13
7	X-ray diffraction studies of the structure of nanocrystals in Fe _{73.5} Si _{13.5} B ₉ Nb ₃ Cu ₁ soft magnetic alloys before and after thermomechanical treatment. <i>Physics of the Solid State</i> , 2010, 52, 554-560.	0.6	11
8	Structure of $\hat{1}\pm\text{-FeSi}$ alloys with 8 and 10 at % silicon. <i>Physics of the Solid State</i> , 2012, 54, 1935-1942.	0.6	11
9	Specific features of the local atomic structure of a Fe-Si alloy in the $\hat{1}\pm$ area of the phase diagram. <i>Physics of the Solid State</i> , 2009, 51, 1236-1242.	0.6	9
10	Short-range order in Fe $1\hat{a}^{\sim}x$ Si x (x=0.05 \hat{a} ~0.08) alloys with induced magnetic anisotropy. <i>Physics of the Solid State</i> , 2010, 52, 339-345.	0.6	8
11	Effect of thermomagnetic and thermomechanical treatments on the magnetic properties and structure of the nanocrystalline soft magnetic alloy Fe ₈₁ Si ₆ Nb ₃ B ₉ Cu ₁ . <i>Physics of the Solid State</i> , 2013, 55, 508-519.	0.6	8
12	Influence of the special features of the effective magnetic anisotropy on the temperature dependences of the magnetoimpedance of nanocrystalline Fe _{73.5} Si _{16.5} B ₆ Nb ₃ Cu ₁ strips. <i>Russian Physics Journal</i> , 2011, 54, 612-618.	0.4	7
13	Temperature Dependences of Magnetoimpedance of Nanocrystalline Fe-Based Ribbons. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 7446-7450.	0.9	7
14	Temperature dependence of the magnetic properties and magnetoimpedance of nanocrystalline Fe _{73.5} Si _{16.5} B ₆ Nb ₃ Cu ₁ ribbons. <i>Technical Physics</i> , 2011, 56, 395-399.	0.7	6
15	Relaxation of the state with induced transverse magnetic anisotropy in the soft magnetic nanocrystalline alloy Fe _{73.5} Si _{13.5} Nb ₃ B ₉ Cu ₁ . <i>Physics of the Solid State</i> , 2012, 54, 1817-1826.	0.6	6
16	Giant magneto-impedance effect in stress-annealed amorphous ribbons. <i>European Physical Journal Special Topics</i> , 1998, 08, Pr2-143-Pr2-146.	0.2	6
17	Direct observation of short-range-order anisotropy in Fe $1\hat{a}^{\sim}x$ Six (x=0.05 \hat{a} €“0.06) single crystals with induced magnetic anisotropy. <i>Doklady Physics</i> , 2004, 49, 622-624.	0.7	4
18	A sensitive element based on the giant magnetoimpedance effect for detecting stray fields. <i>Russian Journal of Nondestructive Testing</i> , 2009, 45, 595-603.	0.9	4

#	ARTICLE	IF	CITATIONS
19	Magnetic properties and the giant magnetic impedance of amorphous ribbons of an FeCoCrSiB alloy after small plastic deformation. <i>Physics of Metals and Metallography</i> , 2008, 106, 357-363.	1.0	2
20	Magnetic domain and local atomic structures of the Fe _{0.94} Si _{0.06} alloy before and after thermomagnetic treatment in an alternating-current magnetic field. <i>Physics of the Solid State</i> , 2012, 54, 508-519.	0.6	1
21	Thermal stability of magnetic anisotropy of stress-annealed amorphous alloy Fe ₃ Co ₆₇ Cr ₃ Si ₁₅ B ₁₂ . <i>European Physical Journal Special Topics</i> , 1998, 08, Pr2-139-Pr2-141.	0.2	1
22	Magnetic Properties and Structure of Fe-Si Based Finemets. <i>Sensor Letters</i> , 2007, 5, 35-38.	0.4	0