Vladimir V Korobtsov

List of Publications by Year
in descending order

33	295	933447 10	888059 17
papers	citations	h-index	g-index

33	33	33	228
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystal texture-dependent magnetic and magnetotransport properties of half-metallic Fe3O4 films grown on oxidized Si substrates by reactive deposition. Journal of Alloys and Compounds, 2020, 815, 152398.	5.5	12
2	Structure of Ultrathin Polycrystalline Iron Films Grown on SiO2/Si(001). Technical Physics, 2018, 63, 73-77.	0.7	3
3	The Lateral Photovoltaic Effect in the Fe/SiO₂/ Si Structure with Different Silicon Conductivity Type. Defect and Diffusion Forum, 2018, 386, 137-142.	0.4	1
4	Electrical and Magnetic Properties of Ultrathin Polycrystalline Fe Films Grown on SiO2/Si(001). Technical Physics Letters, 2018, 44, 595-598.	0.7	5
5	Comparative Study of the Lateral Photovoltaic Effect in Fe3O4/SiO2/n-Si and Fe3O4/SiO2/p-Si Structures. Physics of the Solid State, 2018, 60, 1316-1322.	0.6	5
6	Evolution of the structural and magnetotransport properties of magnetite films depending on the temperature of their synthesis on the SiO2/Si(001) surface. Physics of Metals and Metallography, 2017, 118, 644-651.	1.0	2
7	RHEED Study of the Texture in Polycrystalline Films of Magnetite Grown on Oxidized Silicon Surface. Solid State Phenomena, 2016, 247, 118-123.	0.3	1
8	Magnetic, transport, and magnetotransport properties of the textured Fe3O4 thin films reactively deposited onto SiO2/Si. Journal of Alloys and Compounds, 2016, 688, 1095-1100.	5.5	12
9	Low-temperature conducting channel switching in hybrid Fe 3 O 4 /SiO 2 / n -Si structures. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 211, 33-36.	3.5	9
10	Effect of oxygen pressure on the texture of a magnetite film grown by reactive deposition on a SiO2/Si(001) surface. Physics of the Solid State, 2015, 57, 2532-2536.	0.6	7
11	The Influence of Seed Layer on Growth of Magnetite Films on the SiO₂/Si (001) Surface. Solid State Phenomena, 2014, 213, 51-55.	0.3	2
12	The bias-controlled giant magnetoimpedance effect caused by the interface states in a metal-insulator-semiconductor structure with the Schottky barrier. Applied Physics Letters, 2014, 104, .	3.3	11
13	Electrical Transport Features in Fe₃O₄/SiO₂/n-Si Hybrid Structures. Solid State Phenomena, 2014, 213, 56-59.	0.3	1
14	Thin magnetite films on an oxidized silicon surface: Raman spectroscopy study. Technical Physics Letters, 2012, 38, 772-775.	0.7	4
15	The effect of synthesis temperature on structural and magnetic properties of Fe3O4 films grown on the SiO2/Si(001) surface. Technical Physics Letters, 2012, 38, 336-339.	0.7	7
16	Growth of Fe3O4 films on the Si(111) surface covered by a thin SiO2 layer. Technical Physics, 2011, 56, 1501-1507.	0.7	11
17	Study of ultrathin iron silicide films grown by solid phase epitaxy on the Si(001) surface. Physics of the Solid State, 2010, 52, 397-403.	0.6	9
18	Comparative study of electro-physical properties of heterostructures containing PECVD nanocrystalline and anodic porous silicon layers. Thin Solid Films, 2009, 517, 3912-3915.	1.8	1

#	Article	IF	Citations
19	Influence of defects in a silicon dioxide thin layer on the processes of silicidation in the Fe/SiO2/Si(001) system. Physics of the Solid State, 2009, 51, 601-607.	0.6	3
20	Investigation of Multilayer Silicon Structures with Buried Iron Silicide Nanocrystallites: Growth, Structure, and Properties. Journal of Nanoscience and Nanotechnology, 2008, 8, 527-534.	0.9	5
21	INFLUENCE OF EVAPORATION CONDITIONS ON Mg/Si(111) INTERFACE FORMATION. , 2007, , .		0
22	A study of the temperature dependence of adsorption and silicidation kinetics at the Mg/Si(111) interface. Thin Solid Films, 2007, 515, 8192-8196.	1.8	19
23	Peculiarities of the reflection spectra of PECVD nanocrystalline porous silicon films. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2007, 103, 947-951.	0.6	4
24	Present status of solid phase epitaxy of vacuum-deposited silicon. Journal of Crystal Growth, 1989, 98, 519-530.	1.5	30
25	Formation of Si(111)-B and Si epitaxy on Si(111)-B: LEED-AES study. Surface Science, 1988, 195, 466-474.	1.9	84
26	Sold Phase Epitaxy of Doped Silicon Films in Molecular Beam Epitaxy Systems. Physica Status Solidi A, 1987, 103, 467-473.	1.7	5
27	Thermal annealing behaviour of Si/SiO2 structures. Thin Solid Films, 1986, 135, 99-105.	1.8	11
28	The influence of the structure of amorphous silicon deposited in ultrahigh vacuum on the solid phase epitaxial growth rate. Thin Solid Films, 1984, 117, 101-106.	1.8	5
29	Solid phase epitaxial growth anisotropy of vacuum-deposited amorphous silicon. Physica Status Solidi A, 1984, 82, 345-353.	1.7	12
30	Epitaxial Regrowth of Amorphous Si Deposited on Si(111). Physica Status Solidi A, 1982, 72, 391-398.	1.7	14
31	The Lateral Photovoltaic Effect in the Fe₃O₄/SiO₂/p-Si Structure. Defect and Diffusion Forum, 0, 386, 143-148.	0.4	0
32	The Influence of Temperature on the Lateral Photovoltaic Effect in the Fe₃O₄/SiO₂/n-Si Structure. Solid State Phenomena, 0, 312, 92-97.	0.3	0
33	The Features of the Lateral Photovoltaic Effect in the Fe₃O₄/SiO₂/n-Si Structure Depending on Silicon Substrate Orientation. Solid State Phenomena, 0, 312, 98-104.	0.3	0