

Vladimir V Korobtsov

List of Publications by Year in descending order

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33
papers

295
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33
times ranked

228
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of Si(111)-B and Si epitaxy on Si(111)-B: LEED-AES study. <i>Surface Science</i> , 1988, 195, 466-474.	1.9	84
2	Present status of solid phase epitaxy of vacuum-deposited silicon. <i>Journal of Crystal Growth</i> , 1989, 98, 519-530.	1.5	30
3	A study of the temperature dependence of adsorption and silicidation kinetics at the Mg/Si(111) interface. <i>Thin Solid Films</i> , 2007, 515, 8192-8196.	1.8	19
4	Epitaxial Regrowth of Amorphous Si Deposited on Si(111). <i>Physica Status Solidi A</i> , 1982, 72, 391-398.	1.7	14
5	Solid phase epitaxial growth anisotropy of vacuum-deposited amorphous silicon. <i>Physica Status Solidi A</i> , 1984, 82, 345-353.	1.7	12
6	Magnetic, transport, and magnetotransport properties of the textured Fe ₃ O ₄ thin films reactively deposited onto SiO ₂ /Si. <i>Journal of Alloys and Compounds</i> , 2016, 688, 1095-1100.	5.5	12
7	Crystal texture-dependent magnetic and magnetotransport properties of half-metallic Fe ₃ O ₄ films grown on oxidized Si substrates by reactive deposition. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152398.	5.5	12
8	Thermal annealing behaviour of Si/SiO ₂ structures. <i>Thin Solid Films</i> , 1986, 135, 99-105.	1.8	11
9	Growth of Fe ₃ O ₄ films on the Si(111) surface covered by a thin SiO ₂ layer. <i>Technical Physics</i> , 2011, 56, 1501-1507.	0.7	11
10	The bias-controlled giant magnetoimpedance effect caused by the interface states in a metal-insulator-semiconductor structure with the Schottky barrier. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	11
11	Study of ultrathin iron silicide films grown by solid phase epitaxy on the Si(001) surface. <i>Physics of the Solid State</i> , 2010, 52, 397-403.	0.6	9
12	Low-temperature conducting channel switching in hybrid Fe ₃ O ₄ /SiO ₂ /n-Si structures. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 211, 33-36.	3.5	9
13	The effect of synthesis temperature on structural and magnetic properties of Fe ₃ O ₄ films grown on the SiO ₂ /Si(001) surface. <i>Technical Physics Letters</i> , 2012, 38, 336-339.	0.7	7
14	Effect of oxygen pressure on the texture of a magnetite film grown by reactive deposition on a SiO ₂ /Si(001) surface. <i>Physics of the Solid State</i> , 2015, 57, 2532-2536.	0.6	7
15	The influence of the structure of amorphous silicon deposited in ultrahigh vacuum on the solid phase epitaxial growth rate. <i>Thin Solid Films</i> , 1984, 117, 101-106.	1.8	5
16	Solid Phase Epitaxy of Doped Silicon Films in Molecular Beam Epitaxy Systems. <i>Physica Status Solidi A</i> , 1987, 103, 467-473.	1.7	5
17	Investigation of Multilayer Silicon Structures with Buried Iron Silicide Nanocrystallites: Growth, Structure, and Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 527-534.	0.9	5
18	Electrical and Magnetic Properties of Ultrathin Polycrystalline Fe Films Grown on SiO ₂ /Si(001). <i>Technical Physics Letters</i> , 2018, 44, 595-598.	0.7	5

#	ARTICLE	IF	CITATIONS
19	Comparative Study of the Lateral Photovoltaic Effect in Fe ₃ O ₄ /SiO ₂ /n-Si and Fe ₃ O ₄ /SiO ₂ /p-Si Structures. Physics of the Solid State, 2018, 60, 1316-1322.	0.6	5
20	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
21	Thin magnetite films on an oxidized silicon surface: Raman spectroscopy study. Technical Physics Letters, 2012, 38, 772-775.	0.7	4
22	Influence of defects in a silicon dioxide thin layer on the processes of silicidation in the Fe/SiO ₂ /Si(001) system. Physics of the Solid State, 2009, 51, 601-607.	0.6	3
23	Structure of Ultrathin Polycrystalline Iron Films Grown on SiO ₂ /Si(001). Technical Physics, 2018, 63, 73-77.	0.7	3
24	The Influence of Seed Layer on Growth of Magnetite Films on the SiO ₂ /Si (001) Surface. Solid State Phenomena, 2014, 213, 51-55.	0.3	2
25	Evolution of the structural and magnetotransport properties of magnetite films depending on the temperature of their synthesis on the SiO ₂ /Si(001) surface. Physics of Metals and Metallography, 2017, 118, 644-651.	1.0	2
26	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
27	Electrical Transport Features in Fe ₃ O ₄ /SiO ₂ /n-Si Hybrid Structures. Solid State Phenomena, 2014, 213, 56-59.	0.3	1
28	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
29	The Lateral Photovoltaic Effect in the Fe/SiO ₂ /Si Structure with Different Silicon Conductivity Type. Defect and Diffusion Forum, 2018, 386, 137-142.	0.4	1
30	INFLUENCE OF EVAPORATION CONDITIONS ON Mg/Si(111) INTERFACE FORMATION. , 2007, , .		0
31	The Lateral Photovoltaic Effect in the Fe ₃ O ₄ /SiO ₂ /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 Fe ₃ O ₄ /SiO ₂ /n-Si Structure. Solid State Phenomena, 0, 312, 92-97.	0.3	0
33	The Features of the Lateral Photovoltaic Effect in the Fe ₃ O ₄ /SiO ₂ /n-Si Structure Depending on Silicon Substrate Orientation. Solid State Phenomena, 0, 312, 98-104.	0.3	0