

Konstantin Barkov

List of Publications by Year in descending order

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12
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#	ARTICLE	IF	CITATIONS
1	Phase composition of the buried silicon interlayers in the amorphous multilayer nanostructures [(Co ₄₅ Fe ₄₅ Zr ₁₀) ₃₅ (Al ₂ O ₃) ₆₅]/a-Si:H and [(Co ₄₅ Fe ₄₅ Zr ₁₀) ₃₅ (Al ₂ O ₃) ₆₅]/a-Si:H by means of XRD, XRR, IR spectroscopy, and USXES. <i>Surface and Interface Analysis</i> , 2018, 50, 1265-1270.	1.8	12
2	Electronic structure and phase composition of dielectric interlayers in multilayer amorphous nanostructure [(CoFeB) ₆₀ C ₄₀ /SiO ₂] ₂₀₀ . <i>Physics of the Solid State</i> , 2017, 59, 168-173.	0.6	5
3	Electronic structure and phase composition of silicon oxide in the metal-containing composite layers of a [(Co ₄₀ Fe ₄₀ B ₂₀) ₃₄ (SiO ₂) ₆₆ /C] ₄₆ multilayer amorphous nanostructure with carbon interlayers. <i>Inorganic Materials</i> , 2017, 53, 930-936.	0.8	3
4	A study of multilayer nanostructures [(Co ₄₅ Fe ₄₅ Zr ₁₀) ₃₅ (Al ₂ O ₃) ₆₅]/a-Si:H and [(Co ₄₅ Fe ₄₅ Zr ₁₀) ₃₅ (Al ₂ O ₃) ₆₅]/a-Si:H by means of XRD, XRR, IR spectroscopy, and USXES. <i>EPJ Applied Physics</i> , 2019, 87, 21301.	0.7	3
5	Phase Formation and Electronic Structure Peculiarities in the Al _{1-x} Si _x Film Composites under the Conditions of Magnetron and Ion-Beam Sputtering. <i>Physics of the Solid State</i> , 2018, 60, 1021-1028.	0.6	1
6	On the Phase Composition, Morphology, and Optical and Electronic Characteristics of AlN Nanofilms Grown on Misoriented GaAs(100) Substrates. <i>Semiconductors</i> , 2019, 53, 1550-1557.	0.5	1
7	Effect of GaAs(100) substrate misorientation on structural, electronic, and optical properties of AlN nano-sized films obtained by reactive plasma-ion deposition. <i>Physica B: Condensed Matter</i> , 2019, 563, 62-71.	2.7	1
8	Structural Rearrangement of a-SiO _x :H Films with Pulse Photon Annealing. <i>Kondensirovannye Sredy Mezhfaznye Granitsy</i> , 2020, 22, 489-495.	0.3	1
9	Effects of "simplest" post-treatment techniques on the composition of porous silicon surface. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 889, 012023.	0.6	0
10	Effect of GaAs(100) substrate misorientation on structural, electronic, and optical properties of AlN nano-sized films obtained by reactive plasma-ion deposition. <i>Physica B: Condensed Matter</i> , 2019, 563, 62-71.	2.7	1
11	Structural Rearrangement of a-SiO _x :H Films with Pulse Photon Annealing. <i>Kondensirovannye Sredy Mezhfaznye Granitsy</i> , 2020, 22, 489-495.	0.3	1
12	Effects of "simplest" post-treatment techniques on the composition of porous silicon surface. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 889, 012023.	0.6	0