

Alexander Y Sipatov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of oxidation on the thermoelectric properties of PbTe and PbS epitaxial films. Applied Physics Letters, 2001, 78, 1661-1663.	3.3	59
2	Antiferromagnetic interlayer coupling in ferromagnetic semiconductor EuS/PbS(001) superlattices. Europhysics Letters, 2001, 56, 54-60.	2.0	58
3	Novel Superconducting Semiconducting Superlattices: Dislocation-Induced Superconductivity?. Physical Review Letters, 2001, 86, 512-515.	7.8	32
4	Percolation transition of thermoelectric properties in PbTe thin films. Applied Physics Letters, 2001, 78, 3238-3240.	3.3	31
5	Growth mechanism and thermoelectric properties of PbTe/SnTe/PbTe heterostructures. Thin Solid Films, 2005, 493, 41-48.	1.8	25
6	Influence of oxidation on the transport properties of IV-VI thin films. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 310-312.	2.7	18
7	Interfacial superconductivity in bilayer and multilayer IV-VI semiconductor heterostructures. Low Temperature Physics, 2008, 34, 985-991.	0.6	17
8	(001)-oriented lead selenide films grown on silicon substrates. Infrared Physics and Technology, 1996, 37, 379-384.	2.9	15
9	Effect of non-stoichiometry on oxidation processes in n-type PbTe thin films. Thin Solid Films, 2003, 423, 257-261.	1.8	14
10	Bi catalyzed VLS growth of PbTe (001) nanowires. Journal of Crystal Growth, 2011, 318, 1105-1108.	1.5	13
11	Effect of Initial Bulk Material Composition on Thermoelectric Properties of Bi ₂ Te ₃ Thin Films. Journal of Electronic Materials, 2013, 42, 1324-1329.	2.2	13
12	The epitaxial growth of IV-VI heterostructures and superlattices on (001)Si. Thin Solid Films, 1995, 267, 134-137.	1.8	12
13	Thickness oscillations of the transport properties in n-type Bi ₂ Te ₃ topological insulator thin films. Thin Solid Films, 2015, 594, 109-114.	1.8	12
14	Oscillatory Behavior of Thermoelectric Properties in p-PbTe Quantum Wells. Journal of Electronic Materials, 2010, 39, 2085-2091.	2.2	10
15	The galvanomagnetic properties of short-period superlattices. Superlattices and Microstructures, 1990, 8, 361-363.	3.1	7
16	Photoemission study of EuS/PbS electronic structure. Journal of Alloys and Compounds, 2004, 362, 198-201.	5.5	7
17	Megagauss magnetospectroscopy of EuS/PbS multi-quantum wells. Physical Review B, 2000, 62, 16798-16801.	3.2	6
18	Non-stoichiometry in SnTe thin films and temperature instabilities of thermoelectric properties. Materials Science in Semiconductor Processing, 2003, 6, 497-501.	4.0	6

#	ARTICLE	IF	CITATIONS
19	Polarized neutron reflectivity studies of magnetic semiconductor superlattices. <i>Physica B: Condensed Matter</i> , 2003, 335, 44-49.	2.7	6
20	Interlayer coupling in EuS/SrS, EuS/PbSe and EuS/PbTe magnetic semiconductor superlattices. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 124207.	1.8	6
21	Superconductivity in the novel semiconducting superlattices. <i>European Physical Journal D</i> , 1996, 46, 727-728.	0.4	5
22	Highly resistive p-PbTe films with carrier concentration as low as 10^{14} cm^{-3} . <i>Applied Physics Letters</i> , 2004, 84, 3732-3734.	3.3	5
23	The Mechanism of Bi Nanowire Growth from Bi/Co Immiscible Composite Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 8624-8629.	0.9	5
24	Structural investigations of superconducting multilayers consisting of semiconducting materials. <i>Low Temperature Physics</i> , 2001, 27, 93-95.	0.6	4
25	Coupling of the magnetic layers and electron spin polarization in four-layer structures of amplitude and nonmagnetic semiconductors. <i>Low Temperature Physics</i> , 2003, 29, 917-927.	0.6	4
26	Modeling interlayer exchange coupling in EuS/PbS/EuS trilayers. <i>Journal of Applied Physics</i> , 2004, 95, 7169-7171.	2.5	2
27	Domain structure of EuS/PbS and EuS/YbSe superlattices studied by polarized neutron reflectometry. <i>Physica B: Condensed Matter</i> , 2004, 345, 193-196.	2.7	2
28	Ferromagnetic semiconductor superlattices studied by polarized neutron reflectometry. <i>Physica B: Condensed Matter</i> , 2007, 397, 36-42.	2.7	2
29	Neutron reflectivity investigations of EuS/PbS superlattices grown on (111) BaF ₂ substrate. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 2280-2282.	2.3	2
30	The nature of magnetic field hysteretic microwave absorption in the HTSC thin films and HTSC models epitaxial superlattices PbTe-PbS. <i>Physica C: Superconductivity and Its Applications</i> , 1991, 180, 196-198.	1.2	0
31	Diffusion and Kirkendall effect in PbSe-EuS multilayer. <i>Thin Solid Films</i> , 2003, 425, 287-291.	1.8	0
32	Magnetization study of interlayer exchange in semiconductor EuS-PbS ferromagnetic wedge multilayers. <i>Journal of Alloys and Compounds</i> , 2006, 423, 212-214.	5.5	0
33	Suppression of superconductivity by strong magnetic fields in PbTe/PbS heterostructures with a superconducting interface. <i>Low Temperature Physics</i> , 2013, 39, 695-700.	0.6	0