Oleg A Usov

List of Publications by Year
in descending order

34	218	1162889 8	1058333 14
papers	citations	h-index	g-index

36	36	36	231
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	STM and STS studies of topological n-type (Bi, In)2(Te, Se, S)3 thermoelectrics. Journal of Physics Condensed Matter, 2020, 32, 465701.	0.7	0
2	Scanning tunneling spectroscopy of the surface states of Dirac fermions in thermoelectrics based on bismuth telluride. Semiconductor Science and Technology, 2018, 33, 055001.	1.0	3
3	Local surface conductivity of single crystalline Bi2Te3 (0001). Ferroelectrics, 2018, 525, 156-160.	0.3	1
4	Stress-controlled thermoelectric module for energy harvesting and its application for the significant enhancement of the power factor of Bi₂Te₃-based thermoelectrics. Journal Physics D: Applied Physics, 2018, 51, 025501.	1.3	18
5	On the morphology of the interlayer surface and micro-Raman spectra of layered films in topological insulators based on bismuth telluride. Semiconductors, 2017, 51, 729-731.	0.2	2
6	On the density-of-states effective mass and charge-carrier mobility in heteroepitaxial films of bismuth telluride and Bi0.5Sb1.5Te3 solid solution. Semiconductors, 2017, 51, 692-694.	0.2	2
7	Transport properties of heteroepitaxial films based on bismuth telluride in strong magnetic fields. Semiconductors, 2017, 51, 843-846.	0.2	2
8	Nanometer Structured Epitaxial Films and Foliated Layers Based on Bismuth and Antimony Chalcogenides with Topological Surface States. , 2016, , .		1
9	Surface morphology and Raman spectroscopy of thin layers of antimony and bismuth chalcogenides. Physics of the Solid State, 2016, 58, 1440-1447.	0.2	3
10	Thermoelectric and galvanomagnetic properties of bismuth chalcogenide nanostructured heteroepitaxial films. Semiconductor Science and Technology, 2015, 30, 015011.	1.0	8
11	Enhanced power factor and high-pressure effects in (Bi,Sb)2(Te,Se)3 thermoelectrics. Applied Physics Letters, 2015, 106, .	1.5	41
12	Surface states of charge carriers in epitaxial films of the topological insulator Bi2Te3. Physics of the Solid State, 2014, 56, 941-947.	0.2	11
13	Waveguide-type localized plasmon resonance biosensor for noninvasive glucose concentration detection. Proceedings of SPIE, 2012, , .	0.8	7
14	Formation of silver nanoparticles in photothermorefractive glasses during electron irradiation. Technical Physics, 2011, 56, 662-667.	0.2	32
15	SELF-ASSEMBLING OF SILVER NANOPARTICLES IN GLASSES UNDER ELECTRON BEAM IRRADIATION. International Journal of Nanoscience, 2011, 10, 1265-1268.	0.4	13
16	Modification of Ag containing photo-thermo-refractive glasses induced by electron-beam irradiation. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 3103-3106.	0.6	16
17	Midinfrared (Î» = 3.6 Î¼m) LEDs and arrays based on InGaAsSb with photonic crystals. Proceedings of SPIE, 2009, , .	0.8	2
18	SPR of Ag nanoparticles in photothermochromic glasses. , 2009, , .		9

#	Article	IF	Citations
19	Electron-beam modification of the near-surface layers of photosensitive glasses. Technical Physics Letters, 2009, 35, 309-311.	0.2	5
20	Effect of electron irradiation on the formation of silver nanoclusters in photothermorefractive glasses. Technical Physics Letters, 2009, 35, 812-814.	0.2	10
21	VARIABLE-ANGLE OPTICAL REFLECTIVITY AND ANGLE-RESOLVED PHOTOLUMINESCENCE STUDIES OF 2D ACTIVE PHOTONIC CRYSTAL BASED ON QUANTUM DOTS. International Journal of Nanoscience, 2007, 06, 197-201.	0.4	1
22	Cathodoluminescence studies of C60 fullerene-based films and nanostructures. Semiconductors, 2007, 41, 879-881.	0.2	0
23	Optical studies of a two-dimensional photonic crystal with the InAs/InGaAs quantum-dot structure as an active region. Semiconductors, 2006, 40, 812-817.	0.2	1
24	The Dynamical Diffraction Effect in a Two-Dimensional Photonic Crystals. AIP Conference Proceedings, 2005, , .	0.3	0
25	Ceramic materials for use in microwave electronics. Physics of the Solid State, 1999, 41, 799-801.	0.2	9
26	Titanium K-edge absorption structure in Ti1â^'x NbxO2. Physics of the Solid State, 1999, 41, 811-813.	0.2	2
27	Crystal structure of bis(oxapropylendithio)tetrathiofulvalene pentaiodide, ((C4H4OS4)2C2)I5. Zeitschrift Fur Kristallographie - Crystalline Materials, 1996, 211, 260-260.	0.4	1
28	Crystal structure of (BOPDT-TTF)+I 5 â^' :C10H8O2I5S8. Journal of Structural Chemistry, 1994, 35, 743-746.	0.3	1
29	The unusual correlations between structural parameters and critical temperatures for R1:2:3 type (R=Y,Eu,Nd,Pr etc) high temperature superconductors. Physica C: Superconductivity and Its Applications, 1994, 235-240, 821-822.	0.6	0
30	Crystal structure of barium neodymium cuprate, NdBa₂Cu_{2.70}Al_{0.30}O_{6.70}. Zeitschrift Fur Kristallographie - Crystalline Materials, 1994, 209, 279-279.	0.4	1
31	Crystal structure of europium barium copper aluminium oxide, EuBa2Cu2.65Al0.35O6.8. Zeitschrift Fur Kristallographie - Crystalline Materials, 1993, 205, 285-286.	0.4	2
32	Structure of di(S-methylthiouronium)â€“tri(7,7,8,8-tetracyano-p-quinodimethane) dihydrate, (MT)2(TCNQ)3.2H2O. Acta Crystallographica Section C: Crystal Structure Communications, 1991, 47, 1851-1854.	0.4	6
33	Structures of new salts: S-methylthiouroniumâ€“TCNQ (I) and Se-methylselenouroniumâ€“TCNQ (II). Acta Crystallographica Section C: Crystal Structure Communications, 1987, 43, 1108-1112.	0.4	6
34	Molecular and crystal structures of 3-nitro-3?-chloro-1H-bi-5,1?-(1,2,4-triazolyl) C4H2N7O2Cl. Journal of Structural Chemistry, 1982, 23, 324-326.	0.3	1