

# Oleg A Usov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2282078/publications.pdf>

Version: 2024-02-01

34  
papers

218  
citations

1162889

8  
h-index

1058333

14  
g-index

36  
all docs

36  
docs citations

36  
times ranked

231  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced power factor and high-pressure effects in (Bi,Sb) <sub>2</sub> (Te,Se) <sub>3</sub> thermoelectrics. Applied Physics Letters, 2015, 106, .	1.5	41
2	Formation of silver nanoparticles in photothermorefractive glasses during electron irradiation. Technical Physics, 2011, 56, 662-667.	0.2	32
3	Stress-controlled thermoelectric module for energy harvesting and its application for the significant enhancement of the power factor of Bi <sub>2</sub> Te <sub>3</sub> -based thermoelectrics. Journal Physics D: Applied Physics, 2018, 51, 025501.	1.3	18
4	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
5	SELF-ASSEMBLING OF SILVER NANOPARTICLES IN GLASSES UNDER ELECTRON BEAM IRRADIATION. International Journal of Nanoscience, 2011, 10, 1265-1268.	0.4	13
6	Surface states of charge carriers in epitaxial films of the topological insulator Bi <sub>2</sub> Te <sub>3</sub> . Physics of the Solid State, 2014, 56, 941-947.	0.2	11
7	Effect of electron irradiation on the formation of silver nanoclusters in photothermorefractive glasses. Technical Physics Letters, 2009, 35, 812-814.	0.2	10
8	Ceramic materials for use in microwave electronics. Physics of the Solid State, 1999, 41, 799-801.	0.2	9
9	SPR of Ag nanoparticles in photothermochromic glasses. , 2009, , .		9
10	Thermoelectric and galvanomagnetic properties of bismuth chalcogenide nanostructured heteroepitaxial films. Semiconductor Science and Technology, 2015, 30, 015011.	1.0	8
11	Waveguide-type localized plasmon resonance biosensor for noninvasive glucose concentration detection. Proceedings of SPIE, 2012, , .	0.8	7
12	Structures of new salts: S-methylthiuronium <sup>+</sup> TCNQ (I) and Se-methylselenouronium <sup>+</sup> TCNQ (II). Acta Crystallographica Section C: Crystal Structure Communications, 1987, 43, 1108-1112.	0.4	6
13	Structure of di(S-methylthiuronium) <sup>+</sup> tri(7,7,8,8-tetracyano-p-quinodimethane) dihydrate, (MT) <sub>2</sub> (TCNQ) <sub>3</sub> ·2H <sub>2</sub> O. Acta Crystallographica Section C: Crystal Structure Communications, 1991, 47, 1851-1854.	0.4	6
14	Electron-beam modification of the near-surface layers of photosensitive glasses. Technical Physics Letters, 2009, 35, 309-311.	0.2	5
15	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
16	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
17	Crystal structure of europium barium copper aluminium oxide, EuBa <sub>2</sub> Cu <sub>2</sub> .65Al <sub>0.35</sub> O <sub>6.8</sub> . Zeitschrift Fur Kristallographie - Crystalline Materials, 1993, 205, 285-286.	0.4	2
18	Titanium K-edge absorption structure in Ti <sub>1-x</sub> Nb <sub>x</sub> O <sub>2</sub> . Physics of the Solid State, 1999, 41, 811-813.	0.2	2

#	ARTICLE	IF	CITATIONS
19	Midinfrared ( $\lambda = 3.6 \mu\text{m}$ ) LEDs and arrays based on InGaAsSb with photonic crystals. Proceedings of SPIE, 2009, , .	0.8	2
20	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
21	On the density-of-states effective mass and charge-carrier mobility in heteroepitaxial films of bismuth telluride and Bi <sub>0.5</sub> Sb <sub>1.5</sub> Te <sub>3</sub> solid solution. Semiconductors, 2017, 51, 692-694.	0.2	2
22	Transport properties of heteroepitaxial films based on bismuth telluride in strong magnetic fields. Semiconductors, 2017, 51, 843-846.	0.2	2
23	Molecular and crystal structures of 3-nitro-3'-chloro-1H-bi-5,1'-(1,2,4-triazolyl) C <sub>4</sub> H <sub>2</sub> N <sub>7</sub> O <sub>2</sub> Cl. Journal of Structural Chemistry, 1982, 23, 324-326.	0.3	1
24	Crystal structure of (BOPDT-TTF)+I <sup>5-</sup> :C <sub>10</sub> H <sub>8</sub> O <sub>2</sub> I <sub>5</sub> S <sub>8</sub> . Journal of Structural Chemistry, 1994, 35, 743-746.	0.3	1
25	Crystal structure of barium neodymium cuprate, NdBa <sub>2</sub> Cu <sub>2.70</sub> Al <sub>0.30</sub> O <sub>6.70</sub> . Zeitschrift Fur Kristallographie - Crystalline Materials, 1994, 209, 279-279.	0.4	1
26	Crystal structure of bis(oxapropylendithio)tetrathiofulvalene pentaoidide, ((C <sub>4</sub> H <sub>4</sub> OS <sub>4</sub> ) <sub>2</sub> C <sub>2</sub> )I <sub>5</sub> . Zeitschrift Fur Kristallographie - Crystalline Materials, 1996, 211, 260-260.	0.4	1
27	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
28	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
29	Nanometer Structured Epitaxial Films and Foliated Layers Based on Bismuth and Antimony Chalcogenides with Topological Surface States. , 2016, , .		1
30	Local surface conductivity of single crystalline Bi <sub>2</sub> Te <sub>3</sub> (0001). Ferroelectrics, 2018, 525, 156-160.	0.3	1
31	The unusual correlations between structural parameters and critical temperatures for R <sub>1</sub> :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
32	The Dynamical Diffraction Effect in a Two-Dimensional Photonic Crystals. AIP Conference Proceedings, 2005, , .	0.3	0
33	Cathodoluminescence studies of C <sub>60</sub> fullerene-based films and nanostructures. Semiconductors, 2007, 41, 879-881.	0.2	0
34	STM and STS studies of topological n-type (Bi, In) <sub>2</sub> (Te, Se, S) <sub>3</sub> thermoelectrics. Journal of Physics Condensed Matter, 2020, 32, 465701.	0.7	0