Yu M Khoverko

List of Publications by Citations

44 papers	211 citations	8 h-index	11 g-index
86 ext. papers	393 ext. citations	1.4 avg, IF	2.99 L-index

#	Paper	IF	Citations
44	Strain-induced effects in p-type Si whiskers at low temperatures. *Materials Science in Semiconductor Processing*, **2015**, 40, 766-771	4.3	14
43	Strain effect on magnetoresistance of SiGe solid solution whiskers at low temperatures. *Materials Science in Semiconductor Processing*, **2011**, 14, 18-22	4.3	13
42	Peculiarities of magnetoresistance in InSb whiskers at cryogenic temperatures. *Materials Research Bulletin*, **2015**, 72, 324-330	5.1	11
41	Variable-range hopping conductance in Si whiskers. *Physica Status Solidi (A) Applications and Materials Science*, **2014**, 211, 504-508	1.6	11
40	Magnetic susceptibility and magnetoresistance of neutron-irradiated doped SI whiskers. *Journal of Magnetism and Magnetic Materials*, **2015**, 393, 310-315	2.8	11
39	Negative magnetoresistance in indium antimonide whiskers doped with tin. *Low Temperature Physics*, **2016**, 42, 453-457	0.7	11
38	Magnetic Properties of Doped Si<B,Ni> Whiskers for Spintronics. *Journal of Nano Research*, **2016**, 39, 43-54	1	10
37	Properties of Doped GaSb Whiskers at Low Temperatures. *Nanoscale Research Letters*, **2017**, 12, 156	5	9
36	Low temperature magnetoresistance of InSb whiskers. *Materials Science in Semiconductor Processing*, **2015**, 40, 550-555	4.3	8
35	Magneto-transport properties of poly-silicon in SOI structures at low temperatures. *Materials Science in Semiconductor Processing*, **2015**, 31, 19-26	4.3	8
34	Low-temperature magnetoresistance of GaSb whiskers. *Low Temperature Physics*, **2017**, 43, 692-698	0.7	8
33	Magnetic susceptibility of doped Si nanowhiskers. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 8690-3	1.3	8
32	Nanoscale Conductive Channels in Silicon Whiskers with Nickel Impurity. *Nanoscale Research Letters* , **2017**, 12, 78	5	7
31	Polysilicon on Insulator Structures for Sensor Application at Electron Irradiation & Magnetic Fields. *Advanced Materials Research*, **2011**, 276, 109-116	0.5	7
30	Berry phase in strained InSb whiskers. *Low Temperature Physics*, **2018**, 44, 1189-1194	0.7	7
29	Superconductivity and Kondo Effect of PdxBi2Se3 Whiskers at Low Temperatures. *Journal of Nano- and Electronic Physics*, **2017**, 9, 05013-1-05013-5	1.5	6
28	Spin-related phenomena in nanoscale Si whiskers. *Journal of Magnetism and Magnetic Materials*, **2019**, 473, 331-334	2.8	6

27	Superconductivity and weak localization of PdxBi2Se3 whiskers at low temperatures. *Applied Nanoscience (Switzerland)*, **2018**, 8, 877-883	3.3	5
26	Impedance spectroscopy of polysilicon in SOI structures. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2014**, 11, 156-159		5
25	Properties of Low-Dimentional Polysilicon in SOI Structures for Low Temperature Sensors. *Advanced Materials Research*, **2013**, 854, 49-55	0.5	5
24	High Sensitive Active MOS Photo Detector on the Local 3D SOI-Structure. *Advanced Materials Research*, **2013**, 854, 45-47	0.5	5
23	Impedance of boron and nickel doped silicon whiskers. *Molecular Crystals and Liquid Crystals*, **2018**, 661, 12-19	0.5	5
22	Technological Approaches for Growth of Silicon Nanowire Arrays. *Springer Proceedings in Physics*, **2015**, 301-307	0.2	4
21	Laser-Recrystallized SOI Layers for Sensor Applications at Cryogenic Temperatures **2002**, 233-237		4
20	Nanoscale polysilicon in sensors of physical values at cryogenic temperatures. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 8364-8370	2.1	3
19	The spin-resolved electronic structure of doped crystals si and Si : theoretical and experimental aspects. *Molecular Crystals and Liquid Crystals*, **2018**, 674, 120-129	0.5	3
18	Spin-orbit interaction in InSb core-shell wires. *Molecular Crystals and Liquid Crystals*, **2018**, 674, 1-10	0.5	3
17	Rashba Interaction in Polysilicon Layers SemOI-Structures. *Journal of Electronic Materials*, **2019**, 48, 4934-4938	1.9	2
16	The Device-Technological Simulation of The Field-Emission Micro-Cathodes Based on Three-Dimensional Soi-Structures. *ECS Transactions*, **2008**, 14, 569-580	1	2
15	Superconductivity and weak anti-localization in GaSb whiskers under strain. *Low Temperature Physics*, **2019**, 45, 1065-1071	0.7	2
14	Temperature Sensors Based on Metal-Silicon Microstructure for Microsystem Technology **2019**,		1
13	Strain-Induced Berry Phase in GaSb Microcrystals. *Journal of Low Temperature Physics*, **2019**, 196, 375-385	1.3	1
12	Effect of the strong electron correlation on the spin-resolved electronic structure of the doped crystals Si , Si and Si . *Molecular Crystals and Liquid Crystals*, **2020**, 700, 1-12	0.5	1
11	Weak Antilocalization Model of N-type Bi2Se3 Whiskers **2018**,		1
10	Polysilicon-on-Insulator Layers at Cryogenic Temperatures and High Magnetic Fields **2005**, 297-302		1

9	Quantization in magnetoresistance of strained InSb whiskers. *Low Temperature Physics*, **2019**, 45, 513-517	0.7	0
8	Peculiarities of charge carriers transport in submicron Si-Ge whiskers. *Functional Materials*, **2015**, 22, 27-33	0.6	0
7	Spin-orbit coupling in strained Ge whiskers. *Low Temperature Physics*, **2019**, 45, 1182-1186	0.7	0
6	The spin-resolved electronic structure of the codoped crystals Si , Si and Si . *Molecular Crystals and Liquid Crystals*, **2021**, 721, 62-73	0.5	
5	Features of the Surface Conductivity of Silicon Microstructures at Low Temperatures. *Mikrosistemi, Elektronika Ta Akustika*, **2018**, 23, 6-13	0.1	
4	Magneto-transport properties of Bi2Se3 whiskers: superconductivity and weak localization. *Molecular Crystals and Liquid Crystals*, **2020**, 701, 82-90	0.5	
3	Quantum magnetoresistance in Si whiskers. *Low Temperature Physics*, **2021**, 47, 488-492	0.7	
2	Strain-induced splitting in valence band of SiGe whiskers. *Applied Nanoscience (Switzerland)*, **2021**, 1	3.3	
1	Critical fields and features of electromagnetic transport of Bi2Se3 whiskers at low temperatures. *Low Temperature Physics*, **2021**, 47, 96-100	0.7	