

# Yu M Khoverko

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	The spin-resolved electronic structure of the codoped crystals Si, Si and Si. <i>Molecular Crystals and Liquid Crystals</i> , <b>2021</b> , 721, 62-73	0.5	
43	Quantum magnetoresistance in Si whiskers. <i>Low Temperature Physics</i> , <b>2021</b> , 47, 488-492	0.7	
42	Strain-induced splitting in valence band of SiGe whiskers. <i>Applied Nanoscience (Switzerland)</i> , <b>2021</b> , 1	3.3	
41	Critical fields and features of electromagnetic transport of Bi <sub>2</sub> Se <sub>3</sub> whiskers at low temperatures. <i>Low Temperature Physics</i> , <b>2021</b> , 47, 96-100	0.7	
40	Effect of the strong electron correlation on the spin-resolved electronic structure of the doped crystals Si, Si and Si. <i>Molecular Crystals and Liquid Crystals</i> , <b>2020</b> , 700, 1-12	0.5	1
39	Magneto-transport properties of Bi <sub>2</sub> Se <sub>3</sub> whiskers: superconductivity and weak localization. <i>Molecular Crystals and Liquid Crystals</i> , <b>2020</b> , 701, 82-90	0.5	
38	Temperature Sensors Based on Metal-Silicon Microstructure for Microsystem Technology <b>2019</b> ,		1
37	Rashba Interaction in Polysilicon Layers SemOI-Structures. <i>Journal of Electronic Materials</i> , <b>2019</b> , 48, 4934-4938	1.9	2
36	Quantization in magnetoresistance of strained InSb whiskers. <i>Low Temperature Physics</i> , <b>2019</b> , 45, 513-517	0.7	0
35	Strain-Induced Berry Phase in GaSb Microcrystals. <i>Journal of Low Temperature Physics</i> , <b>2019</b> , 196, 375-385	0.3	1
34	Spin-orbit coupling in strained Ge whiskers. <i>Low Temperature Physics</i> , <b>2019</b> , 45, 1182-1186	0.7	0
33	Superconductivity and weak anti-localization in GaSb whiskers under strain. <i>Low Temperature Physics</i> , <b>2019</b> , 45, 1065-1071	0.7	2
32	Spin-related phenomena in nanoscale Si whiskers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 473, 331-334	2.8	6
31	Superconductivity and weak localization of PdxBi <sub>2</sub> Se <sub>3</sub> whiskers at low temperatures. <i>Applied Nanoscience (Switzerland)</i> , <b>2018</b> , 8, 877-883	3.3	5
30	Nanoscale polysilicon in sensors of physical values at cryogenic temperatures. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 8364-8370	2.1	3
29	Features of the Surface Conductivity of Silicon Microstructures at Low Temperatures. <i>Мікросистеми, Електроніка Та Акустика</i> , <b>2018</b> , 23, 6-13	0.1	
28	Weak Antilocalization Model of N-type Bi <sub>2</sub> Se <sub>3</sub> Whiskers <b>2018</b> ,		1

27	The spin-resolved electronic structure of doped crystals si and Si : theoretical and experimental aspects. <i>Molecular Crystals and Liquid Crystals</i> , <b>2018</b> , 674, 120-129	0.5	3
26	Spin-orbit interaction in InSb core-shell wires. <i>Molecular Crystals and Liquid Crystals</i> , <b>2018</b> , 674, 1-10	0.5	3
25	Berry phase in strained InSb whiskers. <i>Low Temperature Physics</i> , <b>2018</b> , 44, 1189-1194	0.7	7
24	Impedance of boron and nickel doped silicon whiskers. <i>Molecular Crystals and Liquid Crystals</i> , <b>2018</b> , 661, 12-19	0.5	5
23	Low-temperature magnetoresistance of GaSb whiskers. <i>Low Temperature Physics</i> , <b>2017</b> , 43, 692-698	0.7	8
22	Nanoscale Conductive Channels in Silicon Whiskers with Nickel Impurity. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 78	5	7
21	Properties of Doped GaSb Whiskers at Low Temperatures. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 156	5	9
20	Superconductivity and Kondo Effect of PdxBi2Se3 Whiskers at Low Temperatures. <i>Journal of Nano- and Electronic Physics</i> , <b>2017</b> , 9, 05013-1-05013-5	1.5	6
19	Magnetic Properties of Doped Si&lt;B,Ni&gt; Whiskers for Spintronics. <i>Journal of Nano Research</i> , <b>2016</b> , 39, 43-54	1	10
18	Negative magnetoresistance in indium antimonide whiskers doped with tin. <i>Low Temperature Physics</i> , <b>2016</b> , 42, 453-457	0.7	11
17	Low temperature magnetoresistance of InSb whiskers. <i>Materials Science in Semiconductor Processing</i> , <b>2015</b> , 40, 550-555	4.3	8
16	Peculiarities of magnetoresistance in InSb whiskers at cryogenic temperatures. <i>Materials Research Bulletin</i> , <b>2015</b> , 72, 324-330	5.1	11
15	Magneto-transport properties of poly-silicon in SOI structures at low temperatures. <i>Materials Science in Semiconductor Processing</i> , <b>2015</b> , 31, 19-26	4.3	8
14	Strain-induced effects in p-type Si whiskers at low temperatures. <i>Materials Science in Semiconductor Processing</i> , <b>2015</b> , 40, 766-771	4.3	14
13	Magnetic susceptibility and magnetoresistance of neutron-irradiated doped SI whiskers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 393, 310-315	2.8	11
12	Technological Approaches for Growth of Silicon Nanowire Arrays. <i>Springer Proceedings in Physics</i> , <b>2015</b> , 301-307	0.2	4
11	Peculiarities of charge carriers transport in submicron Si-Ge whiskers. <i>Functional Materials</i> , <b>2015</b> , 22, 27-33	0.6	0
10	Variable-range hopping conductance in Si whiskers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2014</b> , 211, 504-508	1.6	11

9	Impedance spectroscopy of polysilicon in SOI structures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2014</b> , 11, 156-159		5
8	Properties of Low-Dimensional Polysilicon in SOI Structures for Low Temperature Sensors. <i>Advanced Materials Research</i> , <b>2013</b> , 854, 49-55	0.5	5
7	High Sensitive Active MOS Photo Detector on the Local 3D SOI-Structure. <i>Advanced Materials Research</i> , <b>2013</b> , 854, 45-47	0.5	5
6	Magnetic susceptibility of doped Si nanowhiskers. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 8690-3	1.3	8
5	Strain effect on magnetoresistance of SiGe solid solution whiskers at low temperatures. <i>Materials Science in Semiconductor Processing</i> , <b>2011</b> , 14, 18-22	4.3	13
4	Polysilicon on Insulator Structures for Sensor Application at Electron Irradiation & Magnetic Fields. <i>Advanced Materials Research</i> , <b>2011</b> , 276, 109-116	0.5	7
3	The Device-Technological Simulation of The Field-Emission Micro-Cathodes Based on Three-Dimensional Soi-Structures. <i>ECS Transactions</i> , <b>2008</b> , 14, 569-580	1	2
2	Polysilicon-on-Insulator Layers at Cryogenic Temperatures and High Magnetic Fields <b>2005</b> , 297-302		1
1	Laser-Recrystallized SOI Layers for Sensor Applications at Cryogenic Temperatures <b>2002</b> , 233-237		4