

# Ihor Petrovych Ostrovskii

## List of Publications by Year in descending order

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50  
papers

372  
citations

567281

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839539

18  
g-index

51  
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51  
times ranked

94  
citing authors

#	ARTICLE	IF	CITATIONS
1	Peculiarities of the Magnetoresistance Si&It;B,Ni&gt; Microcrystals as Sensetive Element of Sensors. , 2022, , .		0
2	The Newest Technology of Psychotherapy with Participants of Military Conflict. Bulletin of the University of Kiev, 2021, 1, 48-53.	0.1	0
3	Tensometric Characteristics of GaSb Strain Gauges. , 2021, , .		0
4	Frequency response in polycrystalline silicon films of SemOI-structures. , 2020, , .		0
5	Deformation-induced Magnetoconductance in Silicon Whiskers near Metal-insulator Transition. , 2019, , .		0
6	Temperature Sensors Based on Metal-Silicon Microstructure for Microsystem Technology. , 2019, , .		1
7	Rashba Interaction in Polysilicon Layers SemOI-Structures. Journal of Electronic Materials, 2019, 48, 4934-4938.	2.2	4
8	Strain-Induced Berry Phase in GaSb Microcrystals. Journal of Low Temperature Physics, 2019, 196, 375-385.	1.4	2
9	Spin-dependent Transport of DMS on the Base Silicon Whiskers: Impedance, Structure and Properties. , 2019, , .		0
10	Weak Localization in GaSb Whiskers under Strain Influence. , 2019, , .		0
11	Superconductivity and weak localization of PdxBi2Se3 whiskers at low temperatures. Applied Nanoscience (Switzerland), 2018, 8, 877-883.	3.1	6
12	Nanoscale polysilicon in sensors of physical values at cryogenic temperatures. Journal of Materials Science: Materials in Electronics, 2018, 29, 8364-8370.	2.2	6
13	Weak Antilocalization Model of N-Type Bi2Se3 Whiskers. , 2018, , .		1
14	Multifunctional sensors based on Si < B, Ni > microcrystals for Harsh environment. , 2018, , .		0
15	Spin-Dependent Transport of Charge Carriers in Silicon Microcrystals Doped with Boron and Diluted with Nickel. , 2018, , .		0
16	Peculiarities of magnetoresistance in Si whiskers dopped Ni at cryogenic temperatures. , 2017, , .		0
17	Nanoscale Conductive Channels in Silicon Whiskers with Nickel Impurity. Nanoscale Research Letters, 2017, 12, 78.	5.7	16
18	Properties of Doped GaSb Whiskers at Low Temperatures. Nanoscale Research Letters, 2017, 12, 156.	5.7	18

#	ARTICLE	IF	CITATIONS
19	Magnetoresistance oscillations in InSb and GaSb whiskers at low temperatures. , 2017, , .		0
20	Properties of SiGe microcrystals in strong magnetic fields for thermoelectric sensors. , 2016, , .		0
21	Negative magnetoresistance in indium antimonide whiskers doped with tin. Low Temperature Physics, 2016, 42, 453-457.	0.6	19
22	Magnetoresistance oscillations in germanium and indium antimonide whiskers. , 2016, , .		0
23	Components of micro- and nanoelectronics based on silicon structures for cryogenic temperatures. , 2016, , .		0
24	Magnetic Properties of Doped Si&lt;B,Ni&gt; Whiskers for Spintronics. Journal of Nano Research, 2016, 39, 43-54.	0.8	18
25	Thermoelectric Properties of Oblique SiGe Whiskers. Journal of Nano- and Electronic Physics, 2016, 8, 02030-1-02030-5.	0.5	3
26	Strain-induced effects in p-type Si whiskers at low temperatures. Materials Science in Semiconductor Processing, 2015, 40, 766-771.	4.0	27
27	Magnetic susceptibility and magnetoresistance of neutron-irradiated doped SI whiskers. Journal of Magnetism and Magnetic Materials, 2015, 393, 310-315.	2.3	19
28	Low temperature magnetoresistance of InSb whiskers. Materials Science in Semiconductor Processing, 2015, 40, 550-555.	4.0	21
29	Peculiarities of magnetoresistance in InSb whiskers at cryogenic temperatures. Materials Research Bulletin, 2015, 72, 324-330.	5.2	17
30	Magneto-transport properties of poly-silicon in SOI structures at low temperatures. Materials Science in Semiconductor Processing, 2015, 31, 19-26.	4.0	20
31	Variable-êrge hopping conductance in Si whiskers. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 504-508.	1.8	20
32	Impedance spectroscopy of polysilicon in SOI structures. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 156-159.	0.8	17
33	Magnetic Susceptibility of Doped Si Nanowhiskers. Journal of Nanoscience and Nanotechnology, 2012, 12, 8690-8693.	0.9	15
34	Si and Si-Ge wires for thermoelectrics. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 867-870.	0.8	7
35	Strain effect on magnetoresistance of SiGe solid solution whiskers at low temperatures. Materials Science in Semiconductor Processing, 2011, 14, 18-22.	4.0	24
36	Study and simulation of magnetic susceptibility of Si and Si0.95Ge0.05 whiskers. Semiconductors, 2010, 44, 623-627.	0.5	2

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37	Automated interferometric technique for express analysis of the refractive indices in isotropic and anisotropic optical materials. Optics and Lasers in Engineering, 2008, 46, 162-167.	3.8	26
38	Thermoelectric properties of Si-Ge whiskers. Materials Science in Semiconductor Processing, 2006, 9, 853-857.	4.0	8
39	Study of piezoresistance in Ge <sub>x</sub> Si <sub>1-x</sub> whiskers for sensor application. Materials Science in Semiconductor Processing, 2005, 8, 193-196.	4.0	12
40	New infrared luminescence band in silicon nanowires. , 2004, , .		0
41	A study of the morphology and magnetic properties of silicon whiskers. Crystallography Reports, 2004, 49, 202-205.	0.6	2
42	Investigation of Si-Ge whisker growth by CVD. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 333-336.	0.8	16
43	The structure, composition, and chemical state of the surface of wire-like silicon nanocrystal grown by self-organization technology. Journal of Physics Condensed Matter, 2002, 14, 1735-1743.	1.8	8
44	Controlling size distribution in silicon brush-like superstructures grown by self-organisation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 88, 298-301.	3.5	0
45	Miniature transducers based on Si whisker joints. Sensors and Actuators A: Physical, 2002, 99, 134-136.	4.1	2
46	Nanoporous wire-like superstructure of silicon and silicon/germanium solid solution. Materials Science and Engineering C, 2002, 19, 205-208.	7.3	4
47	Composition and Electrical Properties of Hg <sub>x</sub> Cd <sub>1-x</sub> S Whiskers. Inorganic Materials, 2002, 38, 336-338.	0.8	0
48	Growth and some properties of tellurium compound whiskers. , 2001, , .		0
49	X-ray study of free-standing filament crystals of Ge <sub>x</sub> Si <sub>1-x</sub> solid solution. Journal of Physics Condensed Matter, 1995, 7, 1229-1234.	1.8	5
50	Formation of Ordered Si Nanowires Arrays on Si Substrate. Advanced Materials Research, 0, 854, 83-88.	0.3	5