Ihor Petrovych Ostrovskii

List of Publications by Year
in descending order

50	372	567281 15	839539 18
papers	citations	h-index	g-index

51	51	51	94
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strain-induced effects in p-type Si whiskers at low temperatures. Materials Science in Semiconductor Processing, 2015, 40, 766-771.	4.0	27
2	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
3	Strain effect on magnetoresistance of SiGe solid solution whiskers at low temperatures. Materials Science in Semiconductor Processing, 2011, 14, 18-22.	4.0	24
4	Low temperature magnetoresistance of InSb whiskers. Materials Science in Semiconductor Processing, 2015, 40, 550-555.	4.0	21
5	Variableâ€range hopping conductance in Si whiskers. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 504-508.	1.8	20
6	Magneto-transport properties of poly-silicon in SOI structures at low temperatures. Materials Science in Semiconductor Processing, 2015, 31, 19-26.	4.0	20
7	Magnetic susceptibility and magnetoresistance of neutron-irradiated doped SI whiskers. Journal of Magnetism and Magnetic Materials, 2015, 393, 310-315.	2.3	19
8	Negative magnetoresistance in indium antimonide whiskers doped with tin. Low Temperature Physics, 2016, 42, 453-457.	0.6	19
9	Magnetic Properties of Doped Si<B,Ni> Whiskers for Spintronics. Journal of Nano Research, 2016, 39, 43-54.	0.8	18
10	Properties of Doped GaSb Whiskers at Low Temperatures. Nanoscale Research Letters, 2017, 12, 156.	5.7	18
11	Impedance spectroscopy of polysilicon in SOI structures. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 156-159.	0.8	17
12	Peculiarities of magnetoresistance in InSb whiskers at cryogenic temperatures. Materials Research Bulletin, 2015, 72, 324-330.	5.2	17
13	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
14	Nanoscale Conductive Channels in Silicon Whiskers with Nickel Impurity. Nanoscale Research Letters, 2017, 12, 78.	5.7	16
15	Magnetic Susceptibility of Doped Si Nanowhiskers. Journal of Nanoscience and Nanotechnology, 2012, 12, 8690-8693.	0.9	15
16	Study of piezoresistance in GexSi1âˆ’x whiskers for sensor application. Materials Science in Semiconductor Processing, 2005, 8, 193-196.	4.0	12
17	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
18	Thermoelectric properties of Siâ€“Ge whiskers. Materials Science in Semiconductor Processing, 2006, 9, 853-857.	4.0	8

#	Article	IF	Citations
19	Si and Si-Ge wires for thermoelectrics. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 867-870.	0.8	7
20	Superconductivity and weak localization of PdxBi2Se3 whiskers at low temperatures. Applied Nanoscience (Switzerland), 2018, 8, 877-883.	3.1	6
21	Nanoscale polysilicon in sensors of physical values at cryogenic temperatures. Journal of Materials Science: Materials in Electronics, 2018, 29, 8364-8370.	2.2	6
22	X-ray study of free-standing filament crystals of GexSi1-xsolid solution. Journal of Physics Condensed Matter, 1995, 7, 1229-1234.	1.8	5
23	Formation of Ordered Si Nanowires Arrays on Si Substrate. Advanced Materials Research, 0, 854, 83-88.	0.3	5
24	Nanoporous wire-like superstructure of silicon and silicon/germanium solid solution. Materials Science and Engineering C, 2002, 19, 205-208.	7.3	4
25	Rashba Interaction in Polysilicon Layers SemOI-Structures. Journal of Electronic Materials, 2019, 48, 4934-4938.	2.2	4
26	Thermoelectric Properties of Oblique SiGe Whiskers. Journal of Nano- and Electronic Physics, 2016, 8, 02030-1-02030-5.	0.5	3
27	Miniature transducers based on Si whisker joints. Sensors and Actuators A: Physical, 2002, 99, 134-136.	4.1	2
28	A study of the morphology and magnetic properties of silicon whiskers. Crystallography Reports, 2004, 49, 202-205.	0.6	2
29	Study and simulation of magnetic susceptibility of Si and Si0.95Ge0.05 whiskers. Semiconductors, 2010, 44, 623-627.	0.5	2
30	Strain-Induced Berry Phase in GaSb Microcrystals. Journal of Low Temperature Physics, 2019, 196, 375-385.	1.4	2
31	Weak Antilocalization Model of N-Type Bi2Se3 Whiskers. , 2018, , .		1
32	Temperature Sensors Based on Metal-Silicon Microstructure for Microsystem Technology. , 2019, , .		1
33	Growth and some properties of tellurium compound whiskers. , 2001, , .		0
34	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
35	Composition and Electrical Properties of Hg x Cd1 â€“ x S Whiskers. Inorganic Materials, 2002, 38, 336-338.	0.8	0
36	New infrared luminescence band in silicon nanowires. , 2004, , .		0

#	Article	IF	Citations
37	Properties of SiGe microcrystals in strong magnetic fields for thermoelectric sensors. , 2016, , .		0
38	Magnetoresistance oscillations in germanium and indium antimonide whiskers. , 2016, , .		0
39	Components of micro- and nanoelectronics based on silicon structures for cryogenic temperatures. , 2016, , .		0
40	Peculiarities of magnetoresistance in Si whiskers dopped Ni at cryogenic temperatures. , 2017, , .		0
41	Magnetoresistance oscillations in InSb and GaSb whiskers at low temperatures. , 2017, , .		0
42	Multifunctional sensors based on Si < B, Ni > microcrystals for Harsh environment. , 2018, , .		0
43	Spin-Dependent Transport of Charge Carriers in Silicon Microcrystals Doped with Boron and Diluted with Nickel. , 2018, , .		0
44	Deformation-induced Magnetoconductance in Silicon Whiskers near Metal-insulator Transition. , 2019, , .		0
45	Spin-dependent Transport of DMS on the Base Silicon Whiskers: Impedance, Structure and Properties. , 2019, , .		0
46	Weak Localization in GaSb Whiskers under Strain Influence. , 2019, , .		0
47	Frequency response in polycrystalline silicon films of SemOI-structures. , 2020, , .		0
48	The Newest Technology of Psychotherapy with Participants of Military Conflict. Bulletin of the University of Kiev, 2021, 1, 48-53.	0.1	0
49	Tensometric Characteristics of GaSb Strain Gauges. , 2021, , .		0
50	Peculiarities of the Magnetoresistance Si<B,Ni> Microcrystals as Sensetive Element of Sensors. , 2022, , .		0