

Kirill V Chizh

List of Publications by Year in descending order

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19
papers

108
citations

1478505

6
h-index

1372567

10
g-index

19
all docs

19
docs citations

19
times ranked

76
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase transition on the Si(001) clean surface prepared in UHV MBE chamber: a study by high-resolution STM and in situ RHEED. <i>Nanoscale Research Letters</i> , 2011, 6, 218.	5.7	16
2	Pt silicide/poly-Si Schottky diodes as temperature sensors for bolometers. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	12
3	Phase transition between (2 Å ⁻¹) and c(8 Å ⁻¹) reconstructions observed on the Si(001) surface around 600Å°C. <i>JETP Letters</i> , 2010, 92, 310-314.	1.4	11
4	Ge/Si(001) heterostructures with dense arrays of Ge quantum dots: morphology, defects, photo-emf spectra and terahertz conductivity. <i>Nanoscale Research Letters</i> , 2012, 7, 414.	5.7	11
5	Metal silicide/poly-Si Schottky diodes for uncooled microbolometers. <i>Nanoscale Research Letters</i> , 2013, 8, 177.	5.7	11
6	The role of interdiffusion and spatial confinement in the formation of resonant raman spectra of Ge/Si(100) heterostructures with quantum-dot arrays. <i>Physics of the Solid State</i> , 2008, 50, 1970-1977.	0.6	9
7	Absorption of terahertz radiation in Ge/Si(001) heterostructures with quantum dots. <i>JETP Letters</i> , 2010, 92, 793-798.	1.4	6
8	Metal silicide/Si thin-film Schottky-diode bolometers. , 2015, , .		5
9	Diffusion of hydrogen atoms in silicon layers deposited from molecular beams on dielectric substrates. <i>Materials Science in Semiconductor Processing</i> , 2019, 99, 78-84.	4.0	5
10	Silicon-germanium and platinum silicide nanostructures for silicon based photonics. , 2017, , .		5
11	Room-temperature formation of Pt ₃ /Si/Pt ₂ Si films on poly-Si substrates. <i>Journal of Physics: Conference Series</i> , 2017, 816, 012011.	0.4	4
12	Application of hydrogenation to low-temperature cleaning of the Si(001) surface in the processes of molecular-beam epitaxy: Investigation by scanning tunneling microscopy, reflected high-energy electron diffraction, and high resolution transmission electron microscopy. <i>Journal of Applied Physics</i> , 2012, 112, 014311.	2.5	3
13	Raman Scattering Enhancement Using Au/SiGe and Au/Ge Nanostructures. <i>Journal of Applied Spectroscopy</i> , 2019, 86, 72-75.	0.7	3
14	Capacitance investigation of Ge nanoclusters on a silicon (001) surface grown by MBE at low temperatures. <i>Physica B: Condensed Matter</i> , 2009, 404, 4705-4707.	2.7	2
15	Submillimeter Quasioptical Spectroscopy of Multilayer Conducting and Superconducting Systems. <i>Radiophysics and Quantum Electronics</i> , 2014, 56, 620-627.	0.5	2
16	Low-temperature formation of platinum silicides on polycrystalline silicon. <i>Journal of Alloys and Compounds</i> , 2020, 843, 155908.	5.5	1
17	Diffusion processes in germanium and silicon films grown on Si ₃ N ₄ substrates. <i>Solar Energy Materials and Solar Cells</i> , 2021, 230, 111231.	6.2	1
18	IR absorbance of thin carbon multi-walled nanotubes layers. <i>Optical Materials</i> , 2022, 126, 112151.	3.6	1

#	ARTICLE	IF	CITATIONS
19	The Study of Morphology and Photoelectric Sensitivity of Low-Temperature Ge/Si Heterostructures with Ge Quantum Dots. Journal of Nanoelectronics and Optoelectronics, 2015, 9, 734-737.	0.5	0