Igor Trunkin

List of Publications by Year
in descending order

22 papers	96 citations	1683354 5 h-index	1473754 9 g-index
23 all docs	23 docs citations	23 times ranked	131 citing authors

#	Article	IF	Citations
1	Biopolymer-based hydrogels for encapsulation of photocatalytic TiO 2 nanoparticles prepared by the freezing/thawing method. Journal of Molecular Liquids, 2016, 223, 16-20.	2.3	25
2	Effect of (100) GaAs substrate misorientation on electrophysical parameters, structural properties and surface morphology of metamorphic HEMT nanoheterostructures InGaAs/InAlAs. Journal of Crystal Growth, 2014, 392, 11-19.	0.7	12
3	Nanoarchitecture: Toward Quantumâ€Size Tuning of Superconductivity. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800317.	1.2	9
4	New Structure for Photoconductive Antennas Based on {LTG-GaAs/GaAs:Si} Superlattice on GaAs(111)A Substrate. Crystallography Reports, 2019, 64, 205-211.	0.1	7
5	Grazing-incidence small-angle X-ray scattering study of correlated lateral density fluctuations in W/Si multilayers. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, 342-351.	0.0	7
6	Influence of arsenic flow on the crystal structure of epitaxial GaAs grown at low temperatures on GaAs (100) and (111)A substrates. Crystallography Reports, 2017, 62, 82-90.	0.1	5
7	High-Quality AlN Layers Grown on Si(111) Substrates by Metalorganic Chemical Vapor Deposition. Crystallography Reports, 2020, 65, 122-125.	0.1	5
8	Electrophysical and structural properties of the composite quantum wells In_{0.52}Al_{0.48}As/In_xGa_{1â^'x}As/In_{0.52}Al_{0.48}A with ultrathin InAs inserts. Journal of Materials Research, 2015, 30, 3020-3025.	1.1	5
9	Method of Preparation of Composite Materials Filled with Copper and Copper Sulfide Nanoparticles. Russian Journal of Physical Chemistry B, 2020, 14, 323-331.	0.2	4
10	Structural and electrical properties of InAlAs/InGaAs/InAlAs HEMT heterostructures on InP substrates with InAs inserts in quantum well. Crystallography Reports, 2014, 59, 900-907.	0.1	3
11	The microstructure of Nb₃Sn superconductors differing in the number of copper inserts at various stages of heat treatment. IOP Conference Series: Materials Science and Engineering, 0, 502, 012174.	0.3	3
12	Microstructure of QD-like clusters in GaAs/In(As,Bi) heterosystems. Journal of Materials Research, 2018, 33, 2342-2349.	1.2	2
13	Structural Study of Defects in Granulated EP741NP Nickel Alloy. Crystallography Reports, 2019, 64, 570-574.	0.1	2
14	Structural Characteristics of Epitaxial Low-Temperature Grown {InGaAs/InAlAs} Superlattices on InP(100) and InP(111)A Substrates. Crystallography Reports, 2020, 65, 496-501.	0.1	2
15	Structural and electrophysical properties of In0.52Al0.48As/In0.53Ga0.47As/In0.52Al0.48As/InP HEMT nanoheterostructures with different combinations of InAs and GaAs inserts in quantum well. Crystallography Reports, 2015, 60, 397-405.	0.1	1
16	High-resolution X-ray diffractometry and transmission electron microscopy as applied to the structural study of InAlAs/InGaAs/InAlAs multilayer transistor nanoheterostructures. Journal of Surface Investigation, 2016, 10, 495-509.	0.1	1
17	Crystal structure of stacking faults in InGaAs/InAlAs/InAs heterostructures. Crystallography Reports, 2017, 62, 265-269.	0.1	1
18	Epitaxial low-temperature growth of In0.5Ga0.5As films on GaAs(100) and GaAs(111)A substrates using a metamorphic buffer. Crystallography Reports, 2017, 62, 947-954.	0.1	1

#	Article	IF	Citations
19	Low-Temperature epitaxial growth of InGaAs films on InP(100) and InP(411)A substrates. Crystallography Reports, 2017, 62, 589-596.	0.1	0
20	Synthesis and functional characterization of poly(p-xylylene)-MnSb nanocomposite films. Journal of Physics: Conference Series, 2019, 1389, 012042.	0.3	0
21	Manufacturing particularities of hollow metal medieval buttons (from the excavations on the) Tj ETQq1 1 0.784314 rgBT /Overlock 10		0
22	Study of a reliquary cross from the Novodevichy Convent with natural science techniques. Rossijskaja Arheologija, 2020, , 165-183.	0.2	0