

Vladimir Litvinov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Band alignment in ZnCdTe/ZnTe and ZnCdSe/ZnSe SQW structures grown on GaAs(100) by MBE. Nanotechnology, 2000, 11, 241-245.	2.6	9
2	The measuring systems of semiconductor structures and its software. , 2015, , .		8
3	Structural Dependent Eu ³⁺ Luminescence, Photoelectric and Hysteresis Effects in Porous Strontium Titanate. Materials, 2020, 13, 5767.	2.9	8
4	Analysis of the electrostatic interaction of charges in multiple InGaAs/GaAs quantum wells by admittance-spectroscopy methods. Semiconductors, 2014, 48, 917-923.	0.5	6
5	Complex Method of Diagnostics of Diode-Like Quantum Well Heterostructures with Use of Low Frequency Noise Spectroscopy. Journal of Nanoelectronics and Optoelectronics, 2015, 9, 756-761.	0.5	6
6	Investigation of the Influence of Deep-Level Defects on the Conversion Efficiency of Sibased Solar Cells. MRS Advances, 2016, 1, 911-916.	0.9	5
7	The Measurement of Electric Field Distribution in the Barrier Structures Based on Disordered Semiconductors. Journal of Nanoelectronics and Optoelectronics, 2015, 9, 773-777.	0.5	5
8	An Automated Measuring System for Current Deep-Level Transient Spectroscopy. Instruments and Experimental Techniques, 2018, 61, 277-282.	0.5	4
9	Deep-level transient spectroscopy and cathodoluminescence of Cd _x Zn _{1-x} Te/ZnTe QW structures grown on GaAs(100) by MBE. Journal of Crystal Growth, 2000, 214-215, 983-987.	1.5	3
10	Low-resistance and high-resistance states in strontium titanate films formed by the sol-gel method. Physics of the Solid State, 2015, 57, 2030-2033.	0.6	3
11	Defects with deep levels in a semiconductor structure of a photoelectric converter of solar energy with an antireflection film of porous silicon. Technical Physics Letters, 2017, 43, 955-957.	0.7	3
12	Study of Deep Levels in a HIT Solar Cell. Semiconductors, 2018, 52, 926-930.	0.5	3
13	External Quantum Efficiency of Bifacial HIT Solar Cells. Semiconductors, 2020, 54, 1254-1259.	0.5	3
14	A measuring System for the Spectroscopy of the Low-Frequency Noise of Semiconductor Diode Structures. Measurement Techniques, 2013, 56, 1066-1071.	0.6	2
15	Measuring complex for analysis of recombination deep traps in semiconductor solar cells. , 2015, , .		2
16	Mechanisms of Current Flow in the Diode Structure with an n + p-Junction Formed by Thermal Diffusion of Phosphorus From Porous Silicon Film. Russian Physics Journal, 2018, 60, 1565-1571.	0.4	2
17	E-beam irradiation effect on CdSe/ZnSe QD formation by MBE: deep level transient spectroscopy and cathodoluminescence studies. Journal of Physics Condensed Matter, 2004, 16, S133-S140.	1.8	1
18	Analysis of the parameters of deep centers in the Al/i-GaAs detectors of charged particles and X-ray radiation. Journal of Communications Technology and Electronics, 2007, 52, 1165-1170.	0.5	1

#	ARTICLE	IF	CITATIONS
19	Local measurement of conduction band offset for ZnCdS/ZnSSe nanostructure by Laplace current DLTS cooperated with AFM technique. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 1536-1538.	0.8	1
20	Apparatus for determining parameters of semiconductor structures by magnetic quantum effects and admittance spectroscopy. <i>Instruments and Experimental Techniques</i> , 2014, 57, 479-487.	0.5	1
21	Investigation of Deep-Level Defects Lateral Distribution in Active Layers of Multicrystalline Silicon Solar Cells. <i>MRS Advances</i> , 2017, 2, 3141-3146.	0.9	1
22	Deep-Level Defects in a Photovoltaic Converter with an Antireflection Porous Silicon Film Formed by Chemical Stain Etching. <i>Technical Physics Letters</i> , 2019, 45, 145-148.	0.7	1
23	Study of Nanoporous Carbon Fabrics for Rechargeable Energy Storage Capacitors. <i>MRS Advances</i> , 2017, 2, 3255-3261.	0.9	1
24	Electrical Properties of ZnSe Epilayers on GaAs(001). <i>Inorganic Materials</i> , 2000, 36, 1203-1207.	0.8	0
25	Cathodoluminescence and electrophysical characterization of Al _x Ga _{1-x} N epilayers. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 2121-2124.	0.8	0
26	Electrophysical and cathodoluminescent properties of low-dimensional CdSSe/CdS structure. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 1156-1159.	0.8	0
27	Local study of the energy spectrum of electrons in CdSe/ZnSe QD structure by current DLTS cooperated with AFM. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 1772-1775.	0.8	0
28	An investigation of current-flow mechanisms in thin rubrene wafers prepared by the vapor transport method. <i>Technical Physics Letters</i> , 2016, 42, 1107-1109.	0.7	0
29	Application of Adaptive Algorithms for Measuring Temperature Current-Voltage Characteristics of Electronic Elements. , 2018, , .		0
30	Study of Nanoporous Carbon Fabrics for Rechargeable Energy Storage Capacitors. <i>MRS Advances</i> , 2018, 3, 3227-3232.	0.9	0
31	Excess noise and deep level defects diagnostics in semiconductor barrier structures. , 2018, , .		0
32	Investigation of Au/ZnO/Si MIS structures by capacitance-voltage characteristics method. , 2018, , .		0
33	Study of Current Flow Mechanisms in a CdS/por-Si/p-Si Heterostructure. <i>Semiconductors</i> , 2018, 52, 891-896.	0.5	0
34	Investigation of the properties of zinc oxide based heterostructures. <i>Physics of Complex Systems</i> , 2021, 2, 172-179.	0.2	0