

Iraida A Kirovskaya

List of Publications by Year in descending order

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49
papers

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1683354

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citing authors

#	ARTICLE	IF	CITATIONS
1	Obtaining, bulk physical and chemical properties, certification of heterosystem InSb-ZnS solid solutions. Journal of Physics: Conference Series, 2018, 944, 012046.	0.3	0
2	Possibilities of new materials surface sensibility express determination based on ZnSe-CdS system by pH isoelectric state measurements of the surface state. Journal of Physics: Conference Series, 2018, 944, 012048.	0.3	0
3	Parallels and Interrelated Regularities in the Change of the Bulk and Surface Properties of CdBi α -CdTe Systems. Journal of Surface Investigation, 2018, 12, 968-973.	0.1	2
4	Mechanochemical activation and gallium and indiarсениdes surface catalycity. Journal of Physics: Conference Series, 2018, 944, 012047.	0.3	0
5	Surface-active and electrophysical semiconductor properties of the CdTe-CdSe system. Journal of Physics: Conference Series, 2018, 944, 012049.	0.3	0
6	Comparative Physical-Chemical Properties of Binary and Multicomponent Semiconductors in CdS α -ZnSe and CdS α -ZnS Systems. Protection of Metals and Physical Chemistry of Surfaces, 2018, 54, 834-839.	0.3	2
7	On the Acid α -Base State of the Surface of Semiconductor Components of the ZnSe α -CdS System Exposed to Different Media. Journal of Surface Investigation, 2018, 12, 75-79.	0.1	1
8	The influence of the composition on the electronic state and activity of the semiconductor surfaces AlIBV-ZnTe, AlIBVI-ZnTe. AIP Conference Proceedings, 2017, , .	0.3	0
9	Surface-active state of semiconductor materials based on CdTe α -AlIS systems. AIP Conference Proceedings, 2017, , .	0.3	1
10	The possibilities of searching for new materials based on isocationic analogs of ZnBVI. AIP Conference Proceedings, 2017, , .	0.3	0
11	New materials based on CdTe-AlIBVI systems with cationic and anionic substitution. Bulk and surface properties. AIP Conference Proceedings, 2017, , .	0.3	0
12	Surface properties of semiconductor analogs of CdBVI and their solid substitution solutions. Russian Journal of Physical Chemistry A, 2016, 90, 522-529.	0.1	2
13	Obtaining Hetero- substituted Semiconductor Materials (ZnSe) x (CdS) $1-x$ and their Crystallochemical and Structural Properties. Procedia Engineering, 2016, 152, 681-688.	1.2	5
14	The Original Correlations in the Structural Properties and Surface Activity Changes of the CdSe-CdTe System Semiconductors. Procedia Engineering, 2016, 152, 627-633.	1.2	0
15	Rapid Surface Sensitivity and Selectivity Determination of New Materials Based on CdS, ZnS. Procedia Engineering, 2016, 152, 634-638.	1.2	1
16	Opportunities of Searching New Materials of Ecological Application on the Basis of Structural Investigations of Semiconductors in the System CdTe-CdS. Procedia Engineering, 2016, 152, 647-654.	1.2	0
17	Bulk and surface properties of ZnTe α -ZnS system semiconductors. Russian Journal of Physical Chemistry A, 2016, 90, 2029-2034.	0.1	5
18	The Surface Activity Forecast Implementation of the Semiconductor Materials ZnTe (AlIBV) and ZnTe (AlIBIV) for the Gas Analysis. Procedia Engineering, 2016, 152, 551-555.	1.2	0

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19	The System Binary Components CdSe - AlIBVI Impact on Surface Activity. Procedia Engineering, 2016, 152, 664-671.	1.2	1
20	Oxidation and hydrogenation of carbon(II) oxide on the semiconductors of the InSb-CdTe system. Russian Journal of Physical Chemistry A, 2015, 89, 1286-1292.	0.1	1
21	The Effect of the Anionic Component on the Surface Properties of the Binary Semiconductors-analogues and their Solid Substitution Solutions. Procedia Engineering, 2015, 113, 461-465.	1.2	0
22	The Activity of New Materials Surfaces - ternary Semi-conductors with Cationic and Anionic Substitution. Procedia Engineering, 2015, 113, 446-450.	1.2	0
23	IR Spectroscopic and Electrophysical Studies of Adsorptive and Electronic Interactions on the Surface of GaSb(ZnTe) Semi-conductors, Sensors Materials. Procedia Engineering, 2015, 113, 451-455.	1.2	0
24	Crystallochemical, Structural and Surface-active Properties of (ZnTe) _x (CdSe) _{1-x} Semi-conductor Devices. Procedia Engineering, 2015, 113, 456-460.	1.2	3
25	Optical properties of alloys based on II-S and II-Te chalcogenides. Semiconductors, 2015, 49, 313-318.	0.2	0
26	Crystal-chemical, spectroscopic and electrical properties of solid solutions and binary components Cds — CdTe system. , 2014, , .		0
27	Comparative adsorption and catalytic properties of CDSE-CDTE system components in carbon oxide (II) oxidation reaction. , 2014, , .		1
28	Adsorption properties of CdS-CdTe system semiconductors. Russian Journal of Physical Chemistry A, 2013, 87, 2077-2081.	0.1	10
29	New catalysts for the oxidation of carbon monoxide. Russian Journal of Physical Chemistry A, 2012, 86, 14-18.	0.1	4
30	Bulk physicochemical properties of solid solutions and binary components of the InSbâ€”CdS system. Russian Journal of Physical Chemistry A, 2012, 86, 325-329.	0.1	2
31	The structure and chemical and acid-base state of the surface of solid solutions and binary components in the InSb-CdS system. Russian Journal of Physical Chemistry A, 2012, 86, 432-436.	0.1	1
32	Adsorption and electrophysical properties of semiconductors of the InSb-CdS system. Russian Journal of Physical Chemistry A, 2012, 86, 639-644.	0.1	5
33	The catalytic and photocatalytic properties of InP-CdS and ZnTe-CdS system components. Russian Journal of Physical Chemistry A, 2011, 85, 557-560.	0.1	11
34	Comparative acid-base properties of the surface of components of the CdTe-ZnS system in series of substitutional solid solutions and their analogs. Russian Journal of Physical Chemistry A, 2011, 85, 1228-1232.	0.1	0
35	Adsorption of gases on binary and multicomponent semiconductors of the ZnSe-CdTe system. Russian Journal of Physical Chemistry A, 2011, 85, 1971-1976.	0.1	3
36	Adsorption activity and selectivity of the surface of InP-CdS system semiconductors with respect to toxic microimpurities. Russian Journal of Physical Chemistry A, 2010, 84, 661-667.	0.1	6

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37	Preparation and properties of new materials: Solid solutions (GaSb) x (ZnTe) ^{1-x} . Russian Journal of Physical Chemistry A, 2010, 84, 820-825.	0.1	0
38	Adsorption, electrophysical, and optical studies of the surface of solid solutions and the binary components of the InSb-ZnTe system. Russian Journal of Physical Chemistry A, 2009, 83, 2322-2330.	0.1	4
39	Adsorption and electrophysical studies of the sensitivity and selectivity of the surface of the InSb-CdTe system with respect to toxic gases. Russian Journal of Physical Chemistry A, 2008, 82, 830-834.	0.1	5
40	Chemical composition and acid-base properties of the surface of GaAs-CdS solid solutions. Russian Journal of Physical Chemistry A, 2007, 81, 96-101.	0.1	2
41	New catalysts and adsorbents on the basis of the InSb-CdTe semiconducting system. Russian Journal of Physical Chemistry A, 2007, 81, 535-543.	0.1	1
42	Adsorption properties of GaAs-CdS system. Russian Journal of Physical Chemistry A, 2007, 81, 654-658.	0.1	1
43	The catalytic properties of the InSb-CdTe system in the hydrogenation of carbon monoxide. Russian Journal of Physical Chemistry A, 2007, 81, 1217-1220.	0.1	0
44	The adsorption of gases on the surface of solid solutions and binary compounds of the GaSb-ZnTe system. Russian Journal of Physical Chemistry A, 2007, 81, 1532-1536.	0.1	2
45	Preparation and identification of substitutional solid solutions of the InSb-CdTe system. Russian Journal of Inorganic Chemistry, 2006, 51, 645-648.	0.3	4
46	Adsorptive and Electrical Properties of InSb-ZnSe Films. Inorganic Materials, 2003, 39, 1246-1250.	0.2	0
47	Synthesis and Optical Absorption of Solid Solutions between InSb and II-VI Compounds. Inorganic Materials, 2002, 38, 91-94.	0.2	9
48	Preparation and Properties of Zn _x Cd _{1-x} Se Solid Solutions. Inorganic Materials, 2001, 37, 769-772.	0.2	2
49	Thermodesorptive analysis of GaAs and ZnSe surfaces. Talanta, 1985, 32, 57-59.	2.9	2