

Galkin Ng

List of Publications by Year in descending order

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171
papers

910
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times ranked

582
citing authors

#	ARTICLE	IF	CITATIONS
1	Semimetal hR6-CaSi_2 thin film: A transparent contact for Si optoelectronics. <i>Journal of Alloys and Compounds</i> , 2022, 910, 164893.	5.5	5
2	Effect of embedding of CrSi_2 and $\hat{\Gamma}^2\text{-FeSi}_2$ nanocrystals into n-type conductivity silicon on the transport and thermal generation of carriers. <i>Applied Surface Science</i> , 2021, 566, 150620.	6.1	0
3	A low temperature growth of Ca silicides on Si(100) and Si(111) substrates: Formation, structure, optical properties and energy band structure parameters. <i>Journal of Alloys and Compounds</i> , 2020, 813, 152101.	5.5	13
4	Probing the $\text{Mg}_2\text{Si/Si}(1\ 1\ 1)$ heterojunction for photovoltaic applications. <i>Solar Energy</i> , 2020, 211, 383-395.	6.1	16
5	The growth processes and crystal structure of Ca silicides films grown by MBE at $500\text{Å}\text{Å}^\circ\text{C}$ on a Si(001) substrate. <i>Materials Chemistry and Physics</i> , 2020, 253, 123380.	4.0	7
6	SPE grown BaSi_2 on Si(111) substrates: optical and photoelectric properties of films and diode heterostructures on their base. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SFFA11.	1.5	2
7	$\text{Ca}_2\text{Si}(100)$ epitaxial films on the Si(111) substrate: Template growth, structural and optical properties. <i>Materials Science in Semiconductor Processing</i> , 2020, 113, 105036.	4.0	7
8	Semitransparent and conductive $\text{CaSi}_{₂}$ films for silicon device applications. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SFFA12.	1.5	10
9	Formation and thermoelectric properties of the n- and p-type silicon nanostructures with embedded GaSb nanocrystals. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SFFB04.	1.5	1
10	Conductive CaSi_2 transparent in the near infra-red range. <i>Journal of Alloys and Compounds</i> , 2019, 770, 710-720.	5.5	15
11	Structure, optical properties and resistance to laser radiation of thin barium disilicide films grown on silicon. <i>Journal of Physics: Conference Series</i> , 2019, 1236, 012003.	0.4	3
12	Silicon p+ $\hat{\Gamma}^2$ n Diodes with Embedded $\hat{\Gamma}^2\text{-FeSi}_{₂}$ and $\text{CrSi}_{₂}$ Nanocrystals: Morphology, Crystal Structure and Photoelectric Properties. <i>International Journal of Nanoscience</i> , 2019, 18, 1940084.	0.7	3
13	An Influence of the $\text{Si}(111)3\text{-}4\text{⁰}$ Vicinal Surface on the Solid Phase Epitaxy of $\hat{\Gamma}^\pm\text{-FeSi}_{₂}$ Nanorods and their Crystal Parameters. <i>Key Engineering Materials</i> , 2019, 806, 30-35.	0.4	3
14	Ca Silicide Films on $\text{Si}(1\hat{A}0\hat{A}0)$ and $\text{Si}(1\hat{A}1\hat{A}1)$ Substrates: Structure, Optical and Electrical Properties. <i>International Journal of Nanoscience</i> , 2019, 18, 1940014.	0.7	6
15	Silicide phase formation by Mg deposition on amorphous Si. Ab initio calculations, growth process and thermal stability. <i>Journal of Alloys and Compounds</i> , 2019, 778, 514-521.	5.5	2
16	Laser powder fusing as an additive manufacturing process to create the ferromagnetic coatings on the basis of Fe and Sm powders on stainless steel substrate. , 2019, , .		2
17	Embedding of iron silicide nanocrystals into monocrystalline silicon: suppression of emersion effect. , 2019, , .		0
18	An influence of laser fusing of Sm, Co and Fe powders on the Young's modulus and microhardness of fused coatings on two types of substrates. , 2019, , .		1

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19	Comparative study of laser powder fusing of Sm-Co and Sm-Fe systems on the duralumin substrate: microstructure and magnetic properties. , 2019, , .		0
20	Formation of Mg ₂ Si at high temperatures by fast deposition of Mg on Si(111) with wedge-shaped temperature distribution. Applied Surface Science, 2018, 439, 282-284.	6.1	7
21	Theoretical approach to embed nanocrystallites into a bulk crystalline matrix and the embedding influence on the electronic band structure and optical properties of the resulting heterostructures. Journal of Physics Condensed Matter, 2018, 30, 245301.	1.8	0
22	Formation of a Thin Continuous GaSb Film on Si(001) by Solid Phase Epitaxy. Nanomaterials, 2018, 8, 987.	4.1	10
23	The Influence of Immersion of Porous Silicon in Aqueous Solutions of Fe(NO ₃) ₃ on Photoluminescence during Long Storage. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgBf /Overlo	0.4	1
24	Comparison of Crystal and Phonon Structures for Polycrystalline BaSi ₂ Films Grown by SPE Method on Si(111) Substrate. Defect and Diffusion Forum, 2018, 386, 48-54.	0.4	2
25	Morphology, electrokinetic characteristics and the effect on biofilm formation of carrageenan:chitosan polyelectrolyte complexes. International Journal of Biological Macromolecules, 2018, 117, 1118-1124.	7.5	11
26	An approach to growth of Fe-Si multilayers with controlled composition profile—a way to exchange coupled thin films. Nanotechnology, 2017, 28, 115303.	2.6	5
27	Prospects for silicon-silicide integrated photonics. Japanese Journal of Applied Physics, 2017, 56, 05DA01.	1.5	6
28	Mg ₂ Sn heterostructures on Si(111) substrate. Applied Surface Science, 2017, 405, 111-118.	6.1	2
29	GaSb nanocrystals grown by solid phase epitaxy and embedded into monocrystalline silicon. Scripta Materialia, 2017, 136, 83-86.	5.2	8
30	Mechanisms of visible electroluminescence in diode structures on the basis of porous silicon: A review. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2017, 122, 919-925.	0.6	4
31	OPTICAL PROPERTIES OF THE CaSi ₂ /Si(111) AND Si(111)/CaSi ₂ /Si(111) HETEROSTRUCTURES. , 2017, , 97-101.		1
32	A room-temperature-operated Si LED with FeSi ₂ nanocrystals in the active layer: $\frac{1}{4}$ W emission power at 1.5 μ m. Journal of Applied Physics, 2017, 121, .	2.5	13
33	Study of optical and luminescence properties of silicon-semiconducting silicide-silicon multilayer nanostructures. EPJ Web of Conferences, 2017, 132, 02006.	0.3	0
34	Stress-induced indirect to direct band gap transition in FeSi ₂ nanocrystals embedded in Si. AIP Conference Proceedings, 2017, , .	0.4	1
35	Photoluminescence spectroscopy investigation of epitaxial Si/GaSb nanocrystals/Si heterostructure. AIP Conference Proceedings, 2017, , .	0.4	1
36	Mechanism of luminescence from porous silicon. Proceedings of SPIE, 2016, , .	0.8	0

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37	Mg ₂ Si _x Sn _{1-x} heterostructures on Si(111) substrate for optoelectronics and thermoelectronics. Proceedings of SPIE, 2016, , .	0.8	0
38	VIS-NIR-SWIR multicolor avalanche photodetector originating from quantum-confined Stark effect in Si/Î²-FeSi ₂ /Si structure. Applied Physics Letters, 2016, 109, .	3.3	15
39	Structure and magnetic properties of alloys formed by the laser welding of Sm and Co powders on different substrates. , 2016, , .		1
40	Direct laser welding of Sm and Fe powders for creation of magnetic alloys on the stainless steel substrate: microstructure and magnetic properties. Proceedings of SPIE, 2016, , .	0.8	0
41	An influence of formation methods of laser layerâ€™s welding on their phase composition and magnetic properties. , 2016, , .		0
42	Magnetic properties of laser welded coatings from Sm and Fe powders with and without magnetic field on Al based substrate. , 2016, , .		0
43	On the way to enhance the optical absorption of a-Si in NIR by embedding Mg ₂ Si thin film. Applied Physics Letters, 2016, 109, .	3.3	11
44	Structure and magnetic properties of layers formed by laser fusing of powders on nonmagnetic substrates. Bulletin of the Lebedev Physics Institute, 2016, 43, 5-7.	0.6	3
45	The Structure and Magnetic Properties of Bronze, Stainless still and Alloy Layers Formed by Direct Laser Welding on Nonmagnetic Substrates. Solid State Phenomena, 2016, 247, 158-167.	0.3	0
46	Formation and Optical Properties of BaSi ₂ Films on Si (111) â€“ a Promising Nanomaterial for Solar Cells. KnE Materials Science, 2016, 1, 46.	0.1	0
47	Enhancement of the Si p-n diode NIR photoresponse by embedding Î²-FeSi ₂ nanocrystallites. Scientific Reports, 2015, 5, 14795.	3.3	24
48	Structure and Optical Properties of Porous Silicon Formed on Silicon Substrates Treated with Compression Plasma Flow. Solid State Phenomena, 2015, 245, 49-54.	0.3	0
49	The supramolecular structure of LPSâ€™chitosan complexes of varied composition in relation to their biological activity. Carbohydrate Polymers, 2015, 123, 115-121.	10.2	8
50	Pulsed modification of germanium films on silicon, sapphire, and quartz substrates: Structure and optical properties. Semiconductors, 2015, 49, 729-735.	0.5	6
51	Electronic properties of semiconducting Ca ₂ Si silicide: From bulk to nanostructures by means of first principles calculations. Japanese Journal of Applied Physics, 2015, 54, 07JA03.	1.5	13
52	Formation and thermoelectric properties of Si/CrSi ₂ /Si(001) heterostructures with stressed chromium disilicide nanocrystallites. Electronic Materials Letters, 2015, 11, 424-428.	2.2	5
53	Electroluminescent 1.5-Î¼m light-emitting diodes based on p + -Si/NC Î²-FeSi ₂ /n-Si structures. Semiconductors, 2015, 49, 508-512.	0.5	1
54	Characterization of the silicon/Î²-FeSi ₂ nanocrystallites heterostructures for the NIR photodetection at low temperature. Japanese Journal of Applied Physics, 2015, 54, 07JB02.	1.5	5

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55	Non-doped and doped Mg stannide films on Si(111) substrates: Formation, optical, and electrical properties. Japanese Journal of Applied Physics, 2015, 54, 07JC06.	1.5	5
56	The effects of interfacial interactions between Fe ²⁺ O and Fe ²⁺ Si induced by ion-beam bombardment on the magnetic properties of Si-oxide/Fe bilayers. Nuclear Instruments & Methods in Physics Research B, 2015, 365, 196-201.	1.4	9
57	Formation, Structure and Optical Properties of Nanocrystalline BaSi ₂ Films on Si(111) Substrate. Solid State Phenomena, 2015, 245, 42-48.	0.3	8
58	On the mechanism of luminescence from porous silicon nanostructures. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2015, 119, 766-769.	0.6	2
59	How plasma preprocessing affects the luminescence properties of porous silicon. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2014, 81, 431.	0.4	1
60	Structure and Optical Properties of Ca Silicide Films and Si/Ca ₃ Si ₄ /Si(111) Heterostructures. Solid State Phenomena, 2014, 213, 71-79.	0.3	5
61	Soluble chitosan ⁺ carrageenan polyelectrolyte complexes and their gastroprotective activity. Carbohydrate Polymers, 2014, 101, 1087-1093.	10.2	34
62	Kinetic properties of the two-dimensional conducting system formed by CrSi ₂ nanocrystallites in plane (111) of silicon. Physica Status Solidi (B): Basic Research, 2014, 251, 601-608.	1.5	0
63	Formation of Mg silicides on amorphous Si. Origin and role of high pressure in the film growth. Materials Chemistry and Physics, 2014, 148, 1078-1082.	4.0	5
64	The 2D conducting system formed by nanocrystallites CrSi ₂ in the (111) plane of silicon: New object. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 64, 165-168.	2.7	0
65	Pulsed nanosecond annealing of magnesium-implanted silicon. Technical Physics, 2013, 58, 94-99.	0.7	2
66	Electroluminescence properties of p ⁺ Si/n ⁺ FeSi ₂ NCs/n ⁺ Si mesa diodes with embedded multilayers of n ⁺ FeSi ₂ nanocrystallites. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1850-1853.	0.8	0
67	Brief observe on iron silicide growth on amorphous silicon. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1742-1745.	0.8	3
68	Enhancement of near IR sensitivity of silicon-silicide based photodetectors. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1844-1846.	0.8	9
69	Formation and characterization of semiconductor Ca ₂ Si layers prepared on p-type silicon covered by an amorphous silicon cap. Journal of Materials Science, 2013, 48, 2872-2882.	3.7	11
70	Atomic force microscopy imaging of carrageenans from red algae of Gigartinales and Tichocarpales families. Carbohydrate Polymers, 2013, 93, 458-465.	10.2	34
71	Formation of iron and iron silicides on silicon and iron surfaces. Role of the deposition rate and volumetric effects. Applied Physics A: Materials Science and Processing, 2013, 112, 507-515.	2.3	7
72	FORMATION AND OPTICAL PROPERTIES OF THICK Ca ₂ Si AND Ca ₃ Si ₄ ON Si SUBSTRATES. , 2013, ,		1

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73	Formation and optical properties of semiconducting thick Ca silicide films and Si/Ca _x Si _{1-x} heterostructures on Si(111) substrate. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1819-1823.	0.8	8
74	Silicon-silicide quasi-zero dimensional heterostructures for silicon based photonics, opto- and thermoelectronics. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1670-1676.	0.8	11
75	Technological possibilities of Si:H thin film deposition with embedded cubic Mg ₂ Si nanoparticles. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1712-1716.	0.8	10
76	Growth, structure, optical and electrical properties of Si ₂ Mg ₂ /Si(111) double heterostructures and Schottky diodes on their base. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1720-1723.	0.8	3
77	MODEL OF Î ² -FeSi ₂ NANOCRYSTALLITE Î•EMERSIONÎ•PROCESS DURING SILICON LAYER OVERGROWTH. , 2013, , .		0
78	Approach to a creation of silicon-silicide smart materials for silicon-based thermoelectronics and photonics. , 2012, , .		1
79	Room temperature 1.5Î¼m light-emitting silicon diode with embedded Î ² -FeSi ₂ nanocrystallites. Applied Physics Letters, 2012, 101, .	3.3	10
80	SIMULATION OF THE PROCESSES OF FORMATION OF QUANTUM DOTS ON THE BASIS OF SILICIDES OF TRANSITION METALS. International Journal of Nanomechanics Science and Technology, 2012, 3, 51-75.	0.5	3
81	The study of Si(5 5 12) cleaning in the ultra-high vacuum conditions. Physics Procedia, 2012, 23, 29-32.	1.2	1
82	An influence of Mg adsorption on the Si(5 5 12) substrate conductivity and surface morphology. Physics Procedia, 2012, 23, 33-36.	1.2	0
83	Influence of the Si(111)-2Î•-2-Fe surface reconstruction on formation, morphology and optical properties of manganese silicide. Physics Procedia, 2012, 23, 37-40.	1.2	1
84	Formation, optical and electrical properties of a new semiconductor phase of calcium silicide on Si(111). Physics Procedia, 2012, 23, 41-44.	1.2	14
85	Synthesis of Mg ₂ Si precipitates in Mg-implanted silicon by pulsed ion-beam treatment. Physics Procedia, 2012, 23, 45-48.	1.2	2
86	Features of the structure and properties of Î ² -FeSi ₂ nanofilms and a Î ² -FeSi ₂ /Si interface. JETP Letters, 2012, 95, 20-24.	1.4	3
87	Growth, structure and luminescence properties of multilayer Si/Î ² -FeSi ₂ NCSi/Si/Si nanoheterostructures. Thin Solid Films, 2011, 519, 8480-8484.	1.8	13
88	Effect of deposition rate and a-Si precursor or cap layer on structure and magnetic properties of iron films on silicon substrates. Thin Solid Films, 2011, 519, 8520-8523.	1.8	4
89	Microscopic study of electrical properties of CrSi ₂ nanocrystals in silicon. Nanoscale Research Letters, 2011, 6, 209.	5.7	4
90	The model of the magnesium silicide phase (2/3Î•-2/3Î•)-R30Î• on Si(111). Physics Procedia, 2011, 11, 47-50		3

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91	Growth, optical and electrical properties of Ca ₂ Si film grown on Si(111) and Mg ₂ Si/Si (111) substrates. Physics Procedia, 2011, 11, 95-98.	1.2	17
92	Influence of CrSi ₂ nanocrystals on the electrical properties of Au/Si - p/CrSi ₂ ∆NCs/Si(111) - n mesa-diodes. Physics Procedia, 2011, 11, 35-38.	1.2	1
93	Ultra-high vacuum growth of CrSi ₂ and Si^{Si} <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:struct-bib="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="h.</small> Physics Procedia, 2011, 11,	1.2	1
94	Formation of nanocrystalline CrSi ₂ layers in Si by ion implantation and pulsed annealing. Physics Procedia, 2011, 11, 43-46.	1.2	1
95	AES and EELS study of desorption of magnesium silicide films on Si(111). Physics Procedia, 2011, 11, 51-54.	1.2	0
96	Silicon overgrowth atop low-dimensional Mg ₂ Si on Si(111): structure, optical and thermoelectrical properties. Physics Procedia, 2011, 11, 55-58.	1.2	14
97	Influence of Si(111) $\hat{\text{A}}^{\text{Si}}-\hat{\text{A}}^{\text{Si}}-R30 \hat{\text{A}}^{\circ}$ -Sb surface phase on the formation and conductance of low-dimensional magnesium silicide layer on Si(111) substrate. Physics Procedia, 2011, 11, 91-94.	1.2	0
98	INFLUENCE OF EMBEDDED LOW-DIMENSIONAL Mg_{2}Si ON THE CONDUCTIVITY OF $\text{Si}/\text{Mg}_{2}\text{Si}/\text{Si}(111)$ HETEROSYSTEMS., 2011, , .		0
99	LIGHT EMITTING FeSi_{2} NANOCRYSTALS IN MULTILAYER $\text{Si}/\text{FeSi}_{2}\text{NCS}/\text{Si}/\text{Si}$ NANOHETEROSTRUCTURES GROWN BY SPE, RDE AND MBE TECHNIQUES. , 2011, , .		0
100	Influence of Cr ⁺ ion implantation and pulsed ion-beam annealing on the formation and optical properties of Si/CrSi ₂ /Si(111) heterostructures. Technical Physics, 2010, 55, 1036-1044.	0.7	4
101	Hydrothermal precious opals of the Raduzhnoe deposit, north Primorye: The nature of the opalescence. Russian Journal of Pacific Geology, 2010, 4, 347-354.	0.7	1
102	Migration of CrSi ₂ nanocrystals through nanopipes in the silicon cap. Applied Surface Science, 2010, 256, 7331-7334.	6.1	11
103	Influence of the Si(100)-c(4 $\hat{\text{A}}$ –12)-Al surface phase on formation and electrical properties of thin iron films. Journal of Applied Physics, 2010, 107, .	2.5	2
104	10.1007/s11451-008-2023-y. , 2010, 50, 360.		0
105	REDISTRIBUTION OF CrSi ₂ NANOCRYSTALLITES IN SILICON CAP LAYERS DURING MBE GROWTH ON Si(111) SUBSTRATES. , 2009, , .		0
106	THE MORPHOLOGY AND OPTICAL PROPERTIES OF Fe , Cr AND Mg SILICIDE NANOCRYSTALLITES BURIED IN SILICON BY ION IMPLANTATION, PULSED TREATMENTS AND Si OVERGROWTH. , 2009, , .		0
107	Optical properties of silicon-silicide nanoheterostructures grown by consecutive plasma-epitaxy synthesis. Journal of Applied Spectroscopy, 2009, 76, 840-846.	0.7	1
108	Growth and magnetic properties of the sandwich structure Fe/magnetic silicide/Si(100) obtained from in situ optic and magneto-optic data. Solid State Communications, 2009, 149, 1292-1295.	1.9	3

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109	An investigation of the electrical and optical properties of thin iron layers grown on the epitaxial Si(111)-(2 Å ⁻²) $\sqrt{3}\times\sqrt{3}$ Fe phase and on an Si(111)7 Å ⁻⁷ surface. Journal of Physics Condensed Matter, 2009, 21, 435801.	1.8	6
110	The Method of Identification of 2D.RAR.3D Phase Transition. E-Journal of Surface Science and Nanotechnology, 2009, 7, 186-190.	0.4	1
111	Calculation of Desorption Parameters for Mg/Si(111) System. E-Journal of Surface Science and Nanotechnology, 2009, 7, 816-820.	0.4	1
112	Electrical Properties of Thin Iron Films Grown on Clean Si(100) and on Si(100)-c(4*12)-Al Surface Phase. E-Journal of Surface Science and Nanotechnology, 2009, 7, 167-172.	0.4	0
113	Optical and electron spectroscopy study of initial stages of room-temperature Mg film growth on Si(111). Semiconductors, 2008, 42, 475-480.	0.5	0
114	Effect of the chromium layer thickness on the morphology and optical properties of heterostructures Si(111)/(CrSi ₂ nanocrystallites)/Si(111). Physics of the Solid State, 2008, 50, 360-368.	0.6	0
115	Investigation of Multilayer Silicon Structures with Buried Iron Silicide Nanocrystallites: Growth, Structure, and Properties. Journal of Nanoscience and Nanotechnology, 2008, 8, 527-534.	0.9	5
116	Self-Organization of CrSi ₂ Nanoislands on Si(111) and Growth of Monocrystalline Silicon with Buried Multilayers of CrSi ₂ Nanocrystallites. Journal of Nanoscience and Nanotechnology, 2008, 8, 557-563.	0.9	8
117	Growth of iron films on silicon: effect of the deposition rate. Proceedings of SPIE, 2007, 6423, 126.	0.8	0
118	Properties of CrSi ₂ nanocrystallites grown in a silicon matrix. Journal of Physics Condensed Matter, 2007, 19, 506204.	1.8	11
119	Morphological, structural and luminescence properties of Si ¹¹¹ -FeSi ₂ /Si heterostructures fabricated by Fe ion implantation and Si MBE. Journal Physics D: Applied Physics, 2007, 40, 5319-5326.	2.8	4
120	Structural and optical properties of Si ¹¹¹ -FeSi ₂ /Si heterostructures fabricated by Fe ion implantation and Si MBE. Proceedings of SPIE, 2007, , .	0.8	0
121	A study of the temperature dependence of adsorption and silicidation kinetics at the Mg/Si(111) interface. Thin Solid Films, 2007, 515, 8192-8196.	1.8	19
122	Solid phase growth and properties of Mg ₂ Si films on Si(111). Thin Solid Films, 2007, 515, 8230-8236.	1.8	30
123	A pulse-type evaporator for ultrafast deposition of thin films in ultrahigh vacuum. Instruments and Experimental Techniques, 2007, 50, 408-410.	0.5	3
124	Formation, crystal structure, and properties of silicon with buried iron disilicide nanocrystallites on Si(100) substrates. Semiconductors, 2007, 41, 1067-1073.	0.5	4
125	Formation of CrSi ₂ nanoislands on Si(111)7 Å ⁻⁷ and epitaxial growth of silicon overlayers in Si(111)/CrSi ₂ nanocrystallites/Si heterostructures. Technical Physics, 2007, 52, 1079-1085.	0.7	0
126	Optical properties of magic clusters formed in In/Si(111) and Cr/Si(111) systems. Technical Physics Letters, 2007, 33, 380-383.	0.7	0

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127	Approaches to growth and study of properties of multilayer silicon-silicide heterostructures with buried semiconductor silicide nanocrystallites. Thin Solid Films, 2007, 515, 8179-8188.	1.8	17
128	Silicon layers atop iron silicide nanoislands on Si(100) substrate: Island formation, silicon growth, morphology and structure. Thin Solid Films, 2007, 515, 7805-7812.	1.8	3
129	MORPHOLOGY, OPTICAL PROPERTIES AND BAND STRUCTURE PARAMETERS OF MONOCRYSTALLINE SILICON MODIFIED BY COMPRESSION PLASMA FLOW. , 2007, , .		1
130	SEMICONDUCTOR SILICIDE NANOCRYSTALLITES IN SILICON MATRIX: GROWTH AND OPTICAL PROPERTIES. , 2007, , .		0
131	Deep levels in silicon Schottky junctions with embedded arrays of FeSi_2 nanocrystallites. Journal of Applied Physics, 2006, 100, 074313.	2.5	15
132	A simple and effective setup for in situ investigations of the surface magnetooptic Kerr effect in ultrahigh vacuum. Instruments and Experimental Techniques, 2006, 49, 834-838.	0.5	4
133	HIGH DENSITY NANOSIZE Mg_2Si CLUSTERS IN SILICON MATRIX. , 2005, , .		0
134	Multilayer Si(111)/ Mg_2Si clusters/Si heterostructures: Formation, optical and thermoelectric properties. E-Journal of Surface Science and Nanotechnology, 2005, 3, 12-20.	0.4	14
135	Mg_2Si epitaxial films on Si(111). , 2005, , .		1
136	B-FeSi_2 cluster formation on and in silicon: morphology, electrical and optical properties. , 2005, , .		0
137	Iron-silicon interface formation and properties by data of DRS, SMOKE, and AFM measurements. , 2005, , .		0
138	Growth and properties of silicon heterostructures with buried nanosize Mg_2Si clusters. , 2005, 5851, 427.		0
139	Formation, optical properties, and electronic structure of thin Yb silicide films on Si(111). , 2005, , .		0
140	Optical and structural properties of monocrystalline silicon wafers modified by compression plasma flow. , 2005, , .		1
141	Formation and transport properties of Si(111)/ BETA-FeSi_2 /Si nanocluster structures. E-Journal of Surface Science and Nanotechnology, 2005, 3, 97-106.	0.4	1
142	SILICON GROWTH ATOP FeSi_2 ISLANDS ON Si(111) SUBSTRATE AND Si(111)-Cr SURFACE PHASES. , 2005, , .		0
143	Influence of Si(111)-Cr surface phases in the formation and conductivity of Fe and Yb monolayers at room temperature on Si(111). Thin Solid Films, 2004, 464-465, 18-22.	1.8	4
144	Self-organization of FeSi_2 islands on Si(111). Thin Solid Films, 2004, 464-465, 199-203.	1.8	10

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145	Electrical and optical properties of thick Mg ₂ Si films on Si(111). , 2003, , .		3
146	Formation and electric properties of disordered Yb layers on Si(111)7Å–7 surface. , 2003, , .		0
147	Electronic structure and simulation of the dielectric function of \hat{I}^2 -FeSi ₂ epitaxial films on Si(111). Physics of the Solid State, 2002, 44, 714-719.	0.6	9
148	CONDUCTIVITY OF TWO-DIMENSIONAL CHROMIUM AND IRON ORDERED SURFACE PHASES ON Si(111). , 2001, , .		0
149	In situ Hall measurements of Si(1 1 1)/Cr, Si(1 1 1)/Fe and Si(1 1 1)Mg disordered systems at submonolayer coverages. Applied Surface Science, 2001, 175-176, 223-229.	6.1	1
150	Transport, optical and thermoelectrical properties of Cr and Fe disilicides and their alloys on Si(1 1 1). Applied Surface Science, 2001, 175-176, 299-305.	6.1	6
151	Conductivity mechanisms in the ordered surface phases and two-dimensional monosilicides of Cr and Fe on Si(1 1 1). Applied Surface Science, 2001, 175-176, 230-236.	6.1	7
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