Galkin Ng

List of Publications by Year
in descending order

171	910	623734	713466
papers	citations	14 h-index	21 g-index

172	172	172	582
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Semiconducting and structural properties of CrSi2 A-type epitaxial films on Si(111). Thin Solid Films, 1996, 280, 211-220.	1.8	53
2	Optical and photospectral properties of CrSi2 A-type epitaxial films on Si(111). Thin Solid Films, 1997, 311, 230-238.	1.8	39
3	Atomic force microscopy imaging of carrageenans from red algae of Gigartinaceae and Tichocarpaceae families. Carbohydrate Polymers, 2013, 93, 458-465.	10.2	34
4	Soluble chitosanâ€“carrageenan polyelectrolyte complexes and their gastroprotective activity. Carbohydrate Polymers, 2014, 101, 1087-1093.	10.2	34
5	Solid phase growth and properties of Mg2Si films on Si(111). Thin Solid Films, 2007, 515, 8230-8236.	1.8	30
6	FORMATION OF INTERFACES AND TEMPLATES IN THE Si(111)-Cr SYSTEM. Surface Review and Letters, 1995, 02, 439-449.	1.1	24
7	Enhancement of the Si p-n diode NIR photoresponse by embedding Î²-FeSi2 nanocrystallites. Scientific Reports, 2015, 5, 14795.	3.3	24
8	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
9	Approaches to growth and study of properties of multilayer siliconâ€“silicide heterostructures with buried semiconductor silicide nanocrystallites. Thin Solid Films, 2007, 515, 8179-8188.	1.8	17
10	Growth, optical and electrical properties of Ca2Si film grown on Si(111) and Mg2Si/Si (111) substrates. Physics Procedia, 2011, 11, 95-98.	1.2	17
11	Probing the Mg2Si/Si(1 1 1) heterojunction for photovoltaic applications. Solar Energy, 2020, 211, 383-395.	6.1	16
12	Deep levels in silicon Schottky junctions with embedded arrays of Î²â€FeSi2 nanocrystallites. Journal of Applied Physics, 2006, 100, 074313.	2.5	15
13	VIS-NIR-SWIR multicolor avalanche photodetector originating from quantum-confined Stark effect in Si/Î²-FeSi2/Si structure. Applied Physics Letters, 2016, 109, .	3.3	15
14	Conductive CaSi2 transparent in the near infra-red range. Journal of Alloys and Compounds, 2019, 770, 710-720.	5.5	15
15	Multilayer Si(111)/Mg2Si clusters/Si heterostructures: Formation, optical and thermoelectric properties. E-Journal of Surface Science and Nanotechnology, 2005, 3, 12-20.	0.4	14
16	Silicon overgrowth atop low-dimensional Mg2Si on Si(111): structure, optical and thermoelectrical properties. Physics Procedia, 2011, 11, 55-58.	1.2	14
17	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
18	Growth, structure and luminescence properties of multilayer Si/Î²-FeSi2NCs/Si/â€¦/Si nanoheterostructures. Thin Solid Films, 2011, 519, 8480-8484.	1.8	13

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19	Electronic properties of semiconducting Ca₂Si silicide: From bulk to nanostructures by means of first principles calculations. Japanese Journal of Applied Physics, 2015, 54, 07JA03.	1.5	13
20	A room-temperature-operated Si LED with Î²-FeSi2 nanocrystals in the active layer: Î¼W emission power at 1.5â€‰Î¼m. Journal of Applied Physics, 2017, 121, .	2.5	13
21	A low temperature growth of Ca silicides on Si(100) and Si(111) substrates: Formation, structure, optical properties and energy band structure parameters. Journal of Alloys and Compounds, 2020, 813, 152101.	5.5	13
22	Properties of CrSi₂nanocrystallites grown in a silicon matrix. Journal of Physics Condensed Matter, 2007, 19, 506204.	1.8	11
23	Migration of CrSi2 nanocrystals through nanopipes in the silicon cap. Applied Surface Science, 2010, 256, 7331-7334.	6.1	11
24	Formation and characterization of semiconductor Ca2Si layers prepared on p-type silicon covered by an amorphous silicon cap. Journal of Materials Science, 2013, 48, 2872-2882.	3.7	11
25	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
26	On the way to enhance the optical absorption of a-Si in NIR by embedding Mg2Si thin film. Applied Physics Letters, 2016, 109, .	3.3	11
27	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
28	Self-organization of Î²-FeSi2 islands on Si(111)7Ã—7. Thin Solid Films, 2004, 464-465, 199-203.	1.8	10
29	Room temperature 1.5â€‰Î¼m light-emitting silicon diode with embedded Î²-FeSi2 nanocrystallites. Applied Physics Letters, 2012, 101, .	3.3	10
30	Technological possibilities of Si:H thin film deposition with embedded cubic Mg₂Si nanoparticles. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1712-1716.	0.8	10
31	Formation of a Thin Continuous GaSb Film on Si(001) by Solid Phase Epitaxy. Nanomaterials, 2018, 8, 987.	4.1	10
32	Comparison of the Structural, Optical and Thermoelectrical Properties of Ca Silicide Films with Variable Composition on Si Substrates. Defect and Diffusion Forum, 0, 386, 3-8.	0.4	10
33	Semitransparent and conductive CaSi₂ films for silicon device applications. Japanese Journal of Applied Physics, 2020, 59, SFFA12.	1.5	10
34	Electron transport in the Si(111)-Cr(âˆš3 Ã— âˆš3)R30Â°-Î±Si surface phase and in epitaxial films of CrSi, CrSi2 on Si(111). Surface Science, 1993, 292, 298-304.	1.9	9
35	Electronic structure and simulation of the dielectric function of Î²-FeSi2 epitaxial films on Si(111). Physics of the Solid State, 2002, 44, 714-719.	0.6	9
36	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

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37	The effects of interfacial interactions between Feâ€“O and Feâ€“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
38	Self-Organization of CrSi₂ Nanoislands on Si(111) and Growth of Monocrystalline Silicon with Buried Multilayers of CrSi₂ Nanocrystallites. Journal of Nanoscience and Nanotechnology, 2008, 8, 557-563.	0.9	8
39	Formation and optical properties of semiconducting thick Ca silicide films and Si/Ca_xSi/Si heterostructures on Si(111) substrate. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1819-1823.	0.8	8
40	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
41	Formation, Structure and Optical Properties of Nanocrystalline BaSi₂ Films on Si(111) Substrate. Solid State Phenomena, 2015, 245, 42-48.	0.3	8
42	GaSb nanocrystals grown by solid phase epitaxy and embedded into monocrystalline silicon. Scripta Materialia, 2017, 136, 83-86.	5.2	8
43	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
44	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
45	Formation of Mg2Si 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
46	The growth processes and crystal structure of Ca silicides films grown by MBE at 500ÂÂ°C on a Si(001) substrate. Materials Chemistry and Physics, 2020, 253, 123380.	4.0	7
47	Ca2Si(100) epitaxial films on the Si(111) substrate: Template growth, structural and optical properties. Materials Science in Semiconductor Processing, 2020, 113, 105036.	4.0	7
48	IN SITU HALL MEASUREMENTS OF MACROSCOPIC ELECTRICAL PROPERTIES OF CHROMIUM-COVERED Si(111) SURFACES. Surface Review and Letters, 1999, 06, 7-12.	1.1	6
49	Electronic structure, conductivity and carrier mobility in very thin epitaxial CrSi(111) layers with Si(111)âˆš3Ã—âˆš3/30 LEED pattern. Applied Surface Science, 2000, 166, 113-118.	6.1	6
50	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
51	An investigation of the electrical and optical properties of thin iron layers grown on the epitaxial Si(111)-(2 Ã— 2)â€“Fe phase and on an Si(111)7 Ã— 7 surface. Journal of Physics Condensed Matter, 2009, 21, 435801.	1.8	6
52	Pulsed modification of germanium films on silicon, sapphire, and quartz substrates: Structure and optical properties. Semiconductors, 2015, 49, 729-735.	0.5	6
53	Prospects for siliconâ€“silicide integrated photonics. Japanese Journal of Applied Physics, 2017, 56, 05DA01.	1.5	6
54	Ca Silicide Films on Si(1ÂÂ0) and Si(1Â1Â1) Substrates: Structure, Optical and Electrical Properties. International Journal of Nanoscience, 2019, 18, 1940014.	0.7	6

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55	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
56	Structure and Optical Properties of Ca Silicide Films and Si/Ca₃Si₄/Si(111) Heterostructures. Solid State Phenomena, 2014, 213, 71-79.	0.3	5
57	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
58	Formation and thermoelectric properties of Si/CrSi2/Si(001) heterostructures with stressed chromium disilicide nanocrystallites. Electronic Materials Letters, 2015, 11, 424-428.	2.2	5
59	Characterization of the silicon/Î²-FeSi2nanocrystallites heterostructures for the NIR photodetection at low temperature. Japanese Journal of Applied Physics, 2015, 54, 07JB02.	1.5	5
60	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
61	An approach to growth of Feâ€“Si multilayers with controlled composition profileâ€”a way to exchange coupled thin films. Nanotechnology, 2017, 28, 115303.	2.6	5
62	Semimetal hR6-CaSi2 thin film: A transparent contact for Si optoelectronics. Journal of Alloys and Compounds, 2022, 910, 164893.	5.5	5
63	Electrophysical properties of the surface phases of In and Cr on Si(111). Vacuum, 1990, 41, 1207-1210.	3.5	4
64	Influence of Si(111)â€“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
65	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
66	Morphological, structural and luminescence properties of Si/Î²-FeSi2/Si heterostructures fabricated by Fe ion implantation and Si MBE. Journal Physics D: Applied Physics, 2007, 40, 5319-5326.	2.8	4
67	Formation, crystal structure, and properties of silicon with buried iron disilicide nanocrystallites on Si (100) substrates. Semiconductors, 2007, 41, 1067-1073.	0.5	4
68	Influence of Cr+ ion implantation and pulsed ion-beam annealing on the formation and optical properties of Si/CrSi2/Si(111) heterostructures. Technical Physics, 2010, 55, 1036-1044.	0.7	4
69	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
70	Microscopic study of electrical properties of CrSi2 nanocrystals in silicon. Nanoscale Research Letters, 2011, 6, 209.	5.7	4
71	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
72	MORPHOLOGY AND OPTICAL PROPERTIES OF Si(111)/CrSi₂/Si AND Si(111)/Mg₂Si/Si SYSTEMS WITH SELF-ORGANIZED QUANTUM DOTS. , 2001, , .		4

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73	The hall effect in Fe submonolayer systems on n-and p-type Si(111). Semiconductors, 2000, 34, 799-802.	0.5	3
74	Electrical and optical properties of thick Mg 2 Si films on Si(111). , 2003, , .		3
75	A pulse-type evaporator for ultrafast deposition of thin films in ultrahigh vacuum. Instruments and Experimental Techniques, 2007, 50, 408-410.	0.5	3
76	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
77	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
78	The model of the magnesium silicide phase (2/3âˆš3Ã—2/3âˆš3)-R30Â°on Si(111). Physics Procedia, 2011, 11, 47-50.	1.2	3
79	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
80	Features of the structure and properties of Î²-FeSi2 nanofilms and a Î²-FeSi2/Si interface. JETP Letters, 2012, 95, 20-24.	1.4	3
81	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
82	Growth, structure, optical and electrical properties of Si/2D Mg₂Si/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
83	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
84	SWIR-NIR Highly Absorbent Si_{1-x}Sn_x Alloy Film on Si(100) Substrate: Crystal Structure, Optical Properties and Thermal Stability. Defect and Diffusion Forum, 0, 386, 86-94.	0.4	3
85	The Influence of Immersion of Porous Silicon in Aqueous Solutions of Fe(NO3)3 on Photoluminescence during Long Storage. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.78431 4 rgBT /Overlock	0.8	3
86	Structure, optical properties and resistance to laser radiation of thin barium disilicide films grown on silicon. Journal of Physics: Conference Series, 2019, 1236, 012003.	0.4	3
87	Silicon p+â€“pâ€“â€“n Diodes with Embedded Î²-FeSi₂ and CrSi₂ Nanocrystals: Morphology, Crystal Structure and Photoelectric Properties. International Journal of Nanoscience, 2019, 18, 1940084.	0.7	3
88	An Influence of the Si(111)3-4^o Vicinal Surface on the Solid Phase Epitaxy of Î±-FeSi₂ Nanorods and their Crystal Parameters. Key Engineering Materials, 2019, 806, 30-35.	0.4	3
89	IN SITU HALL MEASUREMENTS OF Fe AND Cr SUBMONOLAYERS ON Si(111) OF n- AND p-TYPE CONDUCTIVITY. Surface Review and Letters, 2000, 07, 257-265.	1.1	2
90	Influence of the Si(100)-c(4Ã—12)-Al surface phase on formation and electrical properties of thin iron films. Journal of Applied Physics, 2010, 107, .	2.5	2

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91	Synthesis of Mg2Si precipitates in Mg-implanted silicon by pulsed ion-beam treatment. Physics Procedia, 2012, 23, 45-48.	1.2	2
92	Pulsed nanosecond annealing of magnesium-implanted silicon. Technical Physics, 2013, 58, 94-99.	0.7	2
93	Theoretical Study of the Lithium Diffusion in the Crystalline and Amorphous Silicon as well as on its Surface. Solid State Phenomena, 0, 213, 29-34.	0.3	2
94	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
95	Mg2Sn heterostructures on Si(111) substrate. Applied Surface Science, 2017, 405, 111-118.	6.1	2
96	Comparative Analysis of the Effect of Immersion of Porous Silicon in Aqueous Solutions of Li and Fe Salts on the Stability, Peak Position and Intensity of its Photoluminescence. Defect and Diffusion Forum, 0, 386, 75-79.	0.4	2
97	Comparison of Crystal and Phonon Structures for Polycrystalline BaSi₂ Films Grown by SPE Method on Si(111) Substrate. Defect and Diffusion Forum, 2018, 386, 48-54.	0.4	2
98	Silicide phase formation by Mg deposition on amorphous Si. Ab initio calculations, growth process and thermal stability. Journal of Alloys and Compounds, 2019, 778, 514-521.	5.5	2
99	SPE grown BaSi2 on Si(111) substrates: optical and photoelectric properties of films and diode heterostructures on their base. Japanese Journal of Applied Physics, 2020, 59, SFFA11.	1.5	2
100	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
101	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
102	<title>Solid phase growth and properties of Mg<formula><inf><roman>2</roman></inf></formula>Si epitaxial films on Si(111)</title>. , 2005, , .		1
103	<title>Optical and structural properties of monocrystalline silicon wafers modified by compression plasma flow</title>. , 2005, , .		1
104	Optical properties of silicon-silicide nanoheterostructures grown by consecutive plasma-epitaxy synthesis. Journal of Applied Spectroscopy, 2009, 76, 840-846.	0.7	1
105	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
106	Influence of CrSi2 nanocrystals on the electrical properties of Au/Si - p/CrSi2ÂNCs/Si(111) - n mesa-diodes. Physics Procedia, 2011, 11, 35-38.	1.2	1
107	Ultra high vacuum growth of CrSi2 and <mml:math altimg="si1.gif" display="inline" overflow="scroll" 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:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="h. Physics Procedia, 2011, 11,	1.2	1
108	Formation of nanocrystalline CrSi2 layers in Si by ion implantation and pulsed annealing. Physics Procedia, 2011, 11, 43-46.	1.2	1

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109	Approach to a creation of silicon-silicide smart materials for silicon-based thermoelectronics and photonics. , 2012, , .		1
110	The study of Si(5 5 12) cleaning in the ultra-high vacuum conditions. Physics Procedia, 2012, 23, 29-32.	1.2	1
111	Influence of the Si(111)-2Ã—2-Fe surface reconstruction on formation, morphology and optical properties of manganese silicide. Physics Procedia, 2012, 23, 37-40.	1.2	1
112	FORMATION AND OPTICAL PROPERTIES OF THICK Ca₂Si AND Ca₃Si₄ ON Si SUBSTRATES. , 2013, , .		1
113	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
114	Electroluminescent 1.5-Î¼m light-emitting diodes based on p +-Si/NC Î²-FeSi2/n-Si structures. Semiconductors, 2015, 49, 508-512.	0.5	1
115	On the Principles of the Additive Technology Implementation of Composite Magnetic Coatingâ€™s Formation on Non-Magnetic Substrates by Laser Welding of Micro Powders. Solid State Phenomena, 0, 245, 230-237.	0.3	1
116	Structure and magnetic properties of alloys formed by the laser welding of Sm and Co powders on different substrates. , 2016, , .		1
117	Extended near-IR Spectral Sensitivity and Electroluminescence Properties of Silicon Diode Structure with GaSb/Si Composite Layer. Solid State Phenomena, 0, 247, 61-65.	0.3	1
118	OPTICAL PROPERTIES OF THE CaSi2/Si(111) AND Si(111)/CaSi2/Si(111) HETEROSTRUCTURES. , 2017, , 97-101.		1
119	Stress-induced indirect to direct band gap transition in Î²-FeSi2 nanocrystals embedded in Si. AIP Conference Proceedings, 2017, , .	0.4	1
120	Photoluminescence spectroscopy investigation of epitaxial Si/GaSb nanocrystals/Si heterostructure. AIP Conference Proceedings, 2017, , .	0.4	1
121	Thermoelectric Properties of Nanostructured Material Based on Si and GaSb. Defect and Diffusion Forum, 0, 386, 102-109.	0.4	1
122	Formation and thermoelectric properties of the n- and p-type silicon nanostructures with embedded GaSb nanocrystals. Japanese Journal of Applied Physics, 2020, 59, SFFB04.	1.5	1
123	MORPHOLOGY, OPTICAL PROPERTIES AND BAND STRUCTURE PARAMETERS OF MONOCRYSTALLINE SILICON MODIFIED BY COMPRESSION PLASMA FLOW. , 2007, , .		1
124	Formation and transport properties of Si(111)/.BETA.-FeSi2/Si nanocluster structures. E-Journal of Surface Science and Nanotechnology, 2005, 3, 97-106.	0.4	1
125	The Method of Identification of 2D.RAR.3D Phase Transition. E-Journal of Surface Science and Nanotechnology, 2009, 7, 186-190.	0.4	1
126	Calculation of Desorption Parameters for Mg/Si(111) System. E-Journal of Surface Science and Nanotechnology, 2009, 7, 816-820.	0.4	1

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127	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
128	Intrinsic photoconductivity in chromium disilicide epitaxial thin films. Semiconductors, 1997, 31, 826-828.	0.5	0
129	CONDUCTIVITY OF TWO-DIMENSIONAL CHROMIUM AND IRON ORDERED SURFACE PHASES ON Si(111). , 2001, , .		0
130	Formation and electric properties of disordered Yb layers on Si(111)7Ã—7 surface. , 2003, , .		0
131	HIGH DENSITY NANOSIZE Mg₂Si CLUSTERS IN SILICON MATRIX. , 2005, , .		0
132	<title>B-FeSi<formula><inf><roman>2</roman></inf></formula> cluster formation on and in silicon: morphology, electrical and optical properties</title>. , 2005, , .		0
133	<title>Iron-silicon interface formation and properties by data of DRS, SMOKE, and AFM measurements</title>. , 2005, , .		0
134	<title>Growth and properties of silicon heterostructures with buried nanosize Mg<formula><inf><roman>2</roman></inf></formula>Si clusters</title>. , 2005, 5851, 427.		0
135	<title>Formation, optical properties, and electronic structure of thin Yb silicide films on Si(111)</title>. , 2005, , .		0
136	Growth of iron films on silicon: effect of the deposition rate. Proceedings of SPIE, 2007, 6423, 126.	0.8	0
137	Structural and optical properties of Si/Î²-FeSi 2 /Si heterostructures fabricated by Fe ion implantation and Si MBE. Proceedings of SPIE, 2007, , .	0.8	0
138	Formation of CrSi2 nanoislands on Si(111)7 Ã— 7 and epitaxial growth of silicon overlayers in Si(111)/CrSi2 nanocrystallites/Si heterostructures. Technical Physics, 2007, 52, 1079-1085.	0.7	0
139	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
140	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
141	Effect of the chromium layer thickness on the morphology and optical properties of heterostructures Si(111)/(CrSi2 nanocrystallites)/Si(111). Physics of the Solid State, 2008, 50, 360-368.	0.6	0
142	REDISTRIBUTION OF CrSi2 NANOCRYSTALLITES IN SILICON CAP LAYERS DURING MBE GROWTH ON Si(111) SUBSTRATES. , 2009, , .		0
143	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
144	AES and EELS study of desorption of magnesium silicide films on Si(111). Physics Procedia, 2011, 11, 51-54.	1.2	0

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145	Influence of Si(111) â√š3Ã—â√š3 - R30 Â° -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
146	INFLUENCE OF EMBEDDED LOW-DIMENSIONAL Mg₂Si ON THE CONDUCTIVITY OF Si/Mg₂Si/Si(111) HETEROSYSTEMS. , 2011, , .		0
147	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
148	Electroluminescence properties of pâ€Si/Î² â€FeSi₂ NCs/â€¦/nâ€Si mesa diodes with embedded multilayers of Î² â€FeSi₂ nanocrystallites. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1850-1853.	0.8	0
149	Influence of Preliminary Plasma Processing on Luminescent Properties of Porous Silicon. Solid State Phenomena, 0, 213, 90-95.	0.3	0
150	Kinetic properties of the twoâ€dimensional conducting system formed by CrSi₂ nanocrystallites in plane (111) of silicon. Physica Status Solidi (B): Basic Research, 2014, 251, 601-608.	1.5	0
151	The 2D conducting system formed by nanocrystallites CrSi2 in the (111) plane of silicon: New object. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 64, 165-168.	2.7	0
152	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
153	Mechanism of luminescence from porous silicon. Proceedings of SPIE, 2016, , .	0.8	0
154	Mg₂Si_xSn_{1-x}heterostructures on Si(111) substrate for optoelectronics and thermoelectronics. Proceedings of SPIE, 2016, , .	0.8	0
155	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
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