

Zhanna V Smagina

List of Publications by Year in descending order

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27
papers

153
citations

1307594

7
h-index

1281871

11
g-index

27
all docs

27
docs citations

27
times ranked

73
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear chains of Ge/Si quantum dots grown on a prepatterned surface formed by ion irradiation. Semiconductors, 2015, 49, 749-752.	0.5	20
2	Strain-induced improvement of photoluminescence from the groups of laterally ordered SiGe quantum dots. Applied Physics Letters, 2017, 110, 102101.	3.3	18
3	Self-organization of an ensemble of Ge nanoclusters upon pulsed irradiation with low-energy ions during heteroepitaxy on Si. JETP Letters, 2001, 74, 267-269.	1.4	16
4	Nucleation sites of Ge nanoislands grown on pit-patterned Si substrate prepared by electron-beam lithography. Journal of Applied Physics, 2018, 123, .	2.5	14
5	Chains of quantum dot molecules grown on Si surface pre-patterned by ion-assisted nanoimprint lithography. Applied Physics Letters, 2014, 105, 153106.	3.3	8
6	Unusual narrowing of the ESR line width in ordered structures with linear chains of Ge/Si quantum dots. JETP Letters, 2015, 102, 108-112.	1.4	8
7	One-Stage Formation of Two-Dimensional Photonic Crystal and Spatially Ordered Arrays of Self-Assembled Ge(Si) Nanoislandson Pit-Patterned Silicon-On-Insulator Substrate. Nanomaterials, 2021, 11, 909.	4.1	8
8	Effects of low-energy ion beam action on Ge/Si heteroepitaxy from molecular beam. JETP Letters, 2000, 72, 131-133.	1.4	7
9	Study of the Structural and Emission Properties of Ge(Si) Quantum Dots Ordered on the Si(001) Surface. Semiconductors, 2018, 52, 1150-1155.	0.5	7
10	Three-dimensional model of heteroepitaxial growth of germanium on silicon. Optoelectronics, Instrumentation and Data Processing, 2013, 49, 461-466.	0.6	6
11	Luminescence of Spatially Ordered Self-Assembled Solitary Ge(Si) Nanoislands and their Groups Incorporated into Photonic Crystals. Semiconductors, 2020, 54, 853-859.	0.5	6
12	Nucleation of Three-Dimensional Ge Islands on a Patterned Si(100) Surface. Semiconductors, 2018, 52, 1457-1461.	0.5	5
13	Radiation-Induced Nucleation and Growth of CaSi ₂ Crystals, Both Directly during the Epitaxial CaF ₂ Growth and after the CaF ₂ Film Formation. Nanomaterials, 2022, 12, 1407.	4.1	5
14	Elemental composition of nanoclusters formed by pulsed irradiation with low-energy ions during Ge/Si epitaxy. JETP Letters, 2004, 79, 333-336.	1.4	4
15	Application of XAFS spectroscopy to studying the microstructure and electronic structure of quantum dots. Journal of Surface Investigation, 2007, 1, 26-34.	0.5	4
16	Conductance through chains of Ge/Si quantum dots: Crossover from one-dimensional to quasi-one-dimensional hopping. JETP Letters, 2015, 101, 22-26.	1.4	3
17	Si-based light emitters synthesized with Ge ⁺ ion bombardment. Journal of Applied Physics, 2021, 130, .	2.5	3
18	Melting of nanocrystals embedded in a crystal matrix heated by nanosecond laser pulses. Journal of Experimental and Theoretical Physics, 2012, 115, 436-444.	0.9	2

#	ARTICLE	IF	CITATIONS
19	Tuning the configuration of quantum dot molecules grown on stacked multilayers of heteroepitaxial islands. <i>Journal of Applied Physics</i> , 2022, 131, 035302.	2.5	2
20	Atomic Structure and Optical Properties of CaSi ₂ Layers Grown on CaF ₂ /Si Substrates. <i>Semiconductors</i> , 2021, 55, 808-811.	0.5	2
21	Luminescent properties of spatially ordered Ge/Si quantum dots epitaxially grown on a pit-patterned silicon-on-insulator substrate. <i>Journal of Luminescence</i> , 2022, 249, 119033.	3.1	2
22	Laser annealing of epitaxial CaF ₂ films on Si. <i>Thin Solid Films</i> , 2021, 735, 138898.	1.8	1
23	Self-Organization of Ge(Si) Nanoisland Groups on Pit-Patterned Si(100) Substrates. <i>Semiconductors</i> , 2020, 54, 1866-1868.	0.5	1
24	Groups of Ge nanoislands grown outside pits on pit-patterned Si substrates. <i>Journal of Crystal Growth</i> , 2022, 593, 126763.	1.5	1
25	Nucleation of Ge nanoislands on Si by pulsed ion irradiation. , 2010, , .		0
26	Formation of germanium nanoislands on pit-patterned silicon substrates by means of the molecular dynamics method. <i>Optoelectronics, Instrumentation and Data Processing</i> , 2014, 50, 247-251.	0.6	0
27	Dependence of the Luminescence Properties of Ordered Groups of Ge(Si) Nanoislands on the Parameters of the Pit-Patterned Surface of a Silicon-on-Insulator Substrate. <i>Semiconductors</i> , 0, , .	0.5	0