

Nikolai A Sobolev

List of Publications by Year in descending order

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2893
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetization of Magnetically Inhomogeneous Sr ₂ FeMoO ₆ - $\hat{\Gamma}$ Nanoparticles. <i>Electronic Materials</i> , 2022, 3, 82-92.	0.9	1
2	Strontium Ferromolybdate-Based Magnetic Tunnel Junctions. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2717.	1.3	2
3	Application of the Quantum-Point-Contact Formalism to Model the Filamentary Conduction in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" \rangle \langle \text{mml:mi} \rangle \text{Ta} \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} / \rangle \langle \text{mml:mn} \rangle 2 \langle / \text{mml:mn} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle$	1.5	5
4	Enhancing the luminescence yield of Cr ³⁺ in $\langle b \rangle \langle i \rangle \hat{\Gamma}^2 \langle / i \rangle \langle / b \rangle$ -Ga ₂ O ₃ by proton irradiation. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	8
5	Tunneling conduction mechanisms in strontium ferromolybdate ceramics with strontium molybdate dielectric intergrain barriers. <i>Journal of Alloys and Compounds</i> , 2021, 860, 158526.	2.8	9
6	Spin-Torque-Triggered Magnetization Reversal in Magnetic Tunnel Junctions with Perpendicular Shape Anisotropy. <i>Physical Review Applied</i> , 2021, 16, .	1.5	5
7	Magnetoelectric Effect in the Bidomain Lithium Niobate/Nickel/Metglas Gradient Structure. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900398.	0.7	12
8	Functional Multicomponent Metal Oxide Films Based on Sr, Sn, Fe, and Mo in the Anodic Alumina Matrices. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900283.	0.7	4
9	Dynamic magnetic properties of amorphous Fe ₈₀ B ₂₀ thin films and their relation to interfaces. <i>AIP Advances</i> , 2020, 10, 015013.	0.6	7
10	Valence State of Iron and Molybdenum Cations under Conditions of Anionic Deficiency in Sr ₂ FeMoO ₆ - $\hat{\Gamma}$. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900387.	0.7	2
11	Functional Multicomponent Metal Oxide Films Based on Sr, Sn, Fe, and Mo in the Anodic Alumina Matrices. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2070018.	0.7	2
12	Advanced Magnetic Oxides. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2000058.	0.7	0
13	Ar ⁺ ion irradiation of magnetic tunnel junction multilayers: impact on the magnetic and electrical properties. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 455003.	1.3	6
14	Dual Vibration and Magnetic Energy Harvesting With Bidomain LiNbO ₃ -Based Composite. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 1219-1229.	1.7	22
15	Stabilization of the easy-cone magnetic state in free layers of magnetic tunnel junctions. <i>Physical Review B</i> , 2019, 100, .	1.1	11
16	Metallic filamentary conduction in valence change-based resistive switching devices: the case of TaO _x thin film with $x \approx \frac{1}{4}$. <i>Nanoscale</i> , 2019, 11, 16978-16990.	2.8	16
17	Electrophysical Properties of Sr ₂ FeMoO ₆ - $\hat{\Gamma}$ Ceramics with Dielectric Shells. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2019, , 21-40.	0.2	0
18	Defect-Induced Effects in Nanomaterials. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1900181.	0.7	0

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19	Formation of epitaxial p-i-n structures on the basis of (In,Fe)Sb and (Ga,Fe)Sb diluted magnetic semiconductors layers. Journal of Magnetism and Magnetic Materials, 2019, 487, 165321.	1.0	8
20	Highly sensitive magnetic field sensor based on a metglas/bidomain lithium niobate composite shaped in form of a tuning fork. Journal of Magnetism and Magnetic Materials, 2019, 486, 165209.	1.0	36
21	Low-Frequency Vibration Energy Harvesting With Bidomain LiNbO ₃ Single Crystals. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 1480-1487.	1.7	23
22	Robustness of ferromagnetism in (In,Fe)Sb diluted magnetic semiconductor to variation of charge carrier concentration. Journal of Magnetism and Magnetic Materials, 2019, 485, 236-243.	1.0	9
23	Small-Angle Neutron Scattering and Magnetically Heterogeneous State in Sr ₂ FeMoO ₆ . Physica Status Solidi (B): Basic Research, 2019, 256, 1800428.	0.7	6
24	Low-Frequency Vibration Sensor with a Sub-nm Sensitivity Using a Bidomain Lithium Niobate Crystal. Sensors, 2019, 19, 614.	2.1	25
25	Memristive Properties of GaN HEMTs Containing Deep-Level Traps. Physica Status Solidi (B): Basic Research, 2019, 256, 1800387.	0.7	4
26	The Role of the Fe/Mo Cations Ordering Degree and Oxygen Non-Stoichiometry on the Formation of the Crystalline and Magnetic Structure of Sr ₂ FeMoO ₆ . Physica Status Solidi (B): Basic Research, 2019, 256, 1800278.	0.7	12
27	Low-frequency magnetic sensing by magnetoelectric metglas/bidomain LiNbO ₃ long bars. Journal Physics D: Applied Physics, 2018, 51, 214001.	1.3	29
28	Correlation between the transport mechanisms in conductive filaments inside Ta ₂ O ₅ -based resistive switching devices and in substoichiometric TaOx thin films. Applied Physics Letters, 2018, 112, .	1.5	19
29	Ion irradiation-induced easy-cone anisotropy in double-MgO free layers for perpendicular magnetic tunnel junctions. Applied Physics Letters, 2018, 112, .	1.5	14
30	β-Cyclodextrin as a Precursor to Holey Cd-Doped g-C ₃ N ₄ Nanosheets for Photocatalytic Hydrogen Generation. ChemSusChem, 2018, 11, 2681-2694.	3.6	92
31	Magnetoelectric metglas/bidomain y + 140Å-cut lithium niobate composite for sensing fT magnetic fields. Applied Physics Letters, 2018, 112, .	1.5	44
32	Magnetic and electric characterizations of sol-gel-derived NaFe(WO ₄) ₂ rods. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	1
33	Equivalent Magnetic Noise in Magnetoelectric Laminates Comprising Bidomain LiNbO ₃ Crystals. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 1102-1119.	1.7	33
34	Synthesis and dielectric properties of ferroelectric-ferrimagnetic PZT-SFMO composites. Modern Electronic Materials, 2017, 3, 26-31.	0.2	5
35	Raman, EPR and ethanol sensing properties of oxygen-Vacancies SrTiO ₃ -Î compounds. Applied Surface Science, 2017, 426, 386-390.	3.1	54
36	High-temperature intrinsic ferromagnetism in the (In,Fe)Sb semiconductor. Journal of Applied Physics, 2017, 122, .	1.1	25

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37	Inhomogeneous free layer in perpendicular magnetic tunnel junctions and its impact on the effective anisotropies and spin transfer torque switching efficiency. <i>Physical Review B</i> , 2017, 96, .	1.1	15
38	Magnetoresistive effect in nanosized strontium ferromolybdate with dielectric interlayers. <i>Modern Electronic Materials</i> , 2016, 2, 106-111.	0.2	2
39	Defect-induced Effects in Nanomaterials. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2016, 13, 868-869.	0.8	0
40	Transfer of spin reorientation in a NdCo ₅ /Fe bilayer. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 315002.	1.3	4
41	Dynamic Measurements of Magnetoelectricity in Metglas-Piezocrystal Laminates. <i>Nanoscience and Technology</i> , 2016, , 227-265.	1.5	4
42	Engineering the Magnetoelectric Response in Piezocrystal-Based Magnetoelectrics: Basic Theory, Choice of Materials, Model Calculations. <i>Nanoscience and Technology</i> , 2016, , 189-226.	1.5	1
43	Charge ordering and magnetic properties in nanosized Sr ₂ FeMoO ₆ powders. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 2160-2166.	0.7	18
44	Electrical transport properties of a superconductor-ferrimagnet composite in applied magnetic fields. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 2154-2159.	0.7	0
45	Ion-beam induced effects in multi-layered semiconductor systems. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 2099-2109.	0.7	3
46	Field- and irradiation-induced phenomena in memristive nanomaterials. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2016, 13, 870-881.	0.8	92
47	Splitting of standing spin-wave modes in circular submicron ferromagnetic dot under axial symmetry violation. <i>Scientific Reports</i> , 2016, 5, 18480.	1.6	10
48	Iron incorporation into magnesium aluminosilicate glass network under fast laser floating zone processing. <i>Ceramics International</i> , 2016, 42, 2693-2698.	2.3	11
49	Resistive switching and impedance spectroscopy in SiO ₂ -based metal-oxide-metal trilayers down to helium temperatures. <i>Vacuum</i> , 2015, 122, 293-299.	1.6	5
50	Defect-induced effects in nanomaterials. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015, 12, 9-9.	0.8	1
51	Anisotropy of the magnetoelectric effect in tri-layered composites based on single-crystalline piezoelectrics. <i>Vacuum</i> , 2015, 122, 286-292.	1.6	16
52	Influence of electron irradiation on p-n junctions in Si _{0.8} Ge superlattices. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 153-158.	0.7	0
53	Enhanced radiation hardness of InAs/InP quantum wires. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 134-138.	0.7	1
54	Interplay of Superstructural Ordering and Magnetic Properties of the Sr ₂ FeMoO ₆ Double Perovskite. <i>Science of Advanced Materials</i> , 2015, 7, 446-454.	0.1	12

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55	FMR study of carbon nanotubes filled with Fe ₃ O ₄ nanoparticles. Journal of Magnetism and Magnetic Materials, 2014, 358-359, 44-49.	1.0	16
56	Spin relaxation in inhomogeneous quantum dot arrays studied by electron spin resonance. Physical Review B, 2014, 89, .	1.1	10
57	Anomalous Hall effect in two-phase semiconductor structures: The role of ferromagnetic inclusions. Physical Review B, 2014, 90, .	1.1	12
58	Dynamic exchange via spin currents in acoustic and optical modes of ferromagnetic resonance in spin-valve structures. Physical Review B, 2014, 89, .	1.1	18
59	Direct and converse magnetoelectric effects in Metglas/LiNbO ₃ /Metglas trilayers. Journal of Applied Physics, 2013, 114, .	1.1	23
60	Resonant and non-resonant microwave absorption as a probe of the magnetic dynamics and switching in spin valves. Journal of Applied Physics, 2013, 114, 023906.	1.1	2
61	Radiation effects in Si-Ge quantum size structure (Review). Semiconductors, 2013, 47, 217-227.	0.2	8
62	Room temperature structure and multiferroic properties in Bi _{0.7} La _{0.3} FeO ₃ ceramics. Journal of Alloys and Compounds, 2013, 554, 97-103.	2.8	32
63	Magnetic anisotropy of epitaxial zinc ferrite thin films grown by pulsed laser deposition. Thin Solid Films, 2013, 527, 273-277.	0.8	15
64	NiFe/CoFe/Cu/CoFe/MnIr spin valves studied by ferromagnetic resonance. Journal of Applied Physics, 2013, 113, 17D713.	1.1	6
65	Synthesis and dielectric properties of Pb _{0.85} Ba _{0.25} Zr _{0.53} Ti _{0.47} O ₃ compounds with nano-inclusions of Cu and Ni. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 640-645.	0.8	2
66	Microprobe analysis, iono- and photo-luminescence of Mn ²⁺ activated ZnGa ₂ O ₄ fibres. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 195-200.	0.6	12
67	Defect-induced Effects in Nanomaterials. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 601-602.	0.8	1
68	Charge transfer processes and magnetoresistance in strontium ferromolybdate with dielectric barriers. Physica Status Solidi (B): Basic Research, 2013, 250, 825-830.	0.7	2
69	Spectroscopy of radiation defects in rutile TiO ₂ . Physica Status Solidi (B): Basic Research, 2013, 250, 843-849.	0.7	2
70	Modeling Exchangeâ€”Spring Layered Systems With Perpendicular Anisotropy Using Ferromagnetic Resonance Measurements. IEEE Transactions on Magnetics, 2012, 48, 4081-4084.	1.2	2
71	Probing the Quality of Ni Filled Nanoporous Alumina Templates by Magnetic Techniques. Journal of Nanoscience and Nanotechnology, 2012, 12, 7486-7490.	0.9	13
72	Experimental Evidence and Modified Growth Model of Alloying in In _x Ga _{1-x} As Nanowires. Journal of Physical Chemistry C, 2012, 116, 24777-24783.	1.5	14

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73	Ferromagnetic resonance and magneto-optic study of submicron epitaxial Fe(001) stripes. Journal of Applied Physics, 2012, 111, .	1.1	5
74	Structural, optical and magnetic resonance properties of TiO ₂ fibres grown by laser floating zone technique. Applied Surface Science, 2012, 258, 9143-9147.	3.1	13
75	Reaction processes in a ZnO+1%Gd ₂ O ₃ powder mixture during mechanical and laser processing. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 1417-1422.	1.7	2
76	Superferromagnetism and coercivity in Co-Al ₂ O ₃ granular films with perpendicular anisotropy. Journal of Applied Physics, 2012, 111, 123915.	1.1	30
77	Magneto-electric coupling in multiferroic heterostructure of rf-sputtered Ni ²⁺ /Mn ²⁺ /Ga thin film on PMN ²⁺ /PT. Journal of Magnetism and Magnetic Materials, 2012, 324, 1882-1886.	1.0	12
78	Structure and magnetic properties of Cd doped copper ferrite. Journal of Alloys and Compounds, 2011, 509, 7585-7590.	2.8	16
79	Spin Dynamics in Two-Dimensional Arrays of Quantum Dots with Local Ordering of Nanoclusters. , 2011, , .		0
80	Faraday effect in ZnO:Mn thin films. AIP Conference Proceedings, 2011, , .	0.3	0
81	Interplay between phase formation mechanisms and magnetism in the Sr ₂ FeMoO ₆ metal-oxide compound. Crystal Research and Technology, 2011, 46, 463-469.	0.6	15
82	Study of structural and ferromagnetic properties of pure and Cd doped copper ferrite. Journal of Physics and Chemistry of Solids, 2011, 72, 862-868.	1.9	20
83	Enhanced ferroelectric, magnetic and magneto-electric properties of Bi ^{1-x} CaxFe ^{1-x} TixO ₃ solid solutions. Solid State Communications, 2011, 151, 536-540.	0.9	41
84	Structure and Magnetic Properties of Nanostructured Pd/Fe Thin Films Produced by Pulse Electrodeposition. Journal of Nanoscience and Nanotechnology, 2011, 11, 8907-8911.	0.9	7
85	Influence of Ge content on the optical properties of X and W centers in dilute Si-Ge alloys. Physical Review B, 2011, 84, .	1.1	16
86	Spin dynamics in two-dimensional arrays of quantum dots with different shapes. Journal of Physics: Conference Series, 2010, 245, 012052.	0.3	0
87	Room temperature paramagnetism of ZnO:Mn films grown by RF-sputtering. Thin Solid Films, 2010, 518, 4612-4614.	0.8	7
88	Ferromagnetic resonance on metal nanocrystals in Fe and Ni implanted ZnO. Journal of Applied Physics, 2010, 107, 09B518.	1.1	6
89	Low Temperature Deposition of Ferromagnetic Ni-Mn-Ga Thin Films From Two Different Targets via rf Magnetron Sputtering. Materials Research Society Symposia Proceedings, 2010, 1250, 1.	0.1	2
90	Magnetic properties of amorphous Co _{0.74} Si _{0.26} -Si multilayers with different numbers of periods. Low Temperature Physics, 2010, 36, 821-825.	0.2	0

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91	Mechanisms of manganese-assisted non-radiative recombination in Cd(Mn)Se/Zn(Mn)Se quantum dots. Journal of Physics Condensed Matter, 2010, 22, 355306.	0.7	12
92	Rhombohedral-to-orthorhombic transition and multiferroic properties of Dy-substituted BiFeO ₃ . Journal of Applied Physics, 2010, 108, .	1.1	86
93	Defect-induced ferromagnetism in undoped and Mn-doped zirconia thin films. Physical Review B, 2010, 82, .	1.1	65
94	Ion Beam Synthesis of Transition Metal Nanoclusters in Silicon. , 2009, , .		1
95	Structural and optical properties of Zn _{0.9} Mn _{0.1} O/ZnO core-shell nanowires designed by pulsed laser deposition. Journal of Applied Physics, 2009, 106, .	1.1	13
96	EFFECT OF Mn IONS ON SPIN RELAXATION AND LIFE-TIME OF e-h COMPLEXES IN CdSe/ZnSe/ZnMnSe QUANTUM DOTS. International Journal of Modern Physics B, 2009, 23, 2984-2988.	1.0	3
97	Optical study of strained double Ge/Si quantum dot layers. IOP Conference Series: Materials Science and Engineering, 2009, 6, 012018.	0.3	2
98	Ferromagnetic semiconductor InMnAs layers grown by pulsed laser deposition on GaAs. Journal Physics D: Applied Physics, 2009, 42, 035006.	1.3	6
99	Magnetic and structural properties of transition metal doped zinc oxide nanostructures. Physica Status Solidi (B): Basic Research, 2009, 246, 766-770.	0.7	10
100	Asymmetry effect on the spin relaxation in quantum dot structures. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 833-836.	0.8	0
101	Doping strategies for increased performance in BiFeO ₃ . Journal of Magnetism and Magnetic Materials, 2009, 321, 1692-1698.	1.0	161
102	Raman scattering on overtones of fully symmetric LO phonons in Zn _{0.9} Mn _{0.1} O nanocrystals under resonance excitation conditions. Technical Physics Letters, 2009, 35, 1086-1089.	0.2	3
103	Optical and structural properties of ZnO nanorods grown by pulsed laser deposition without a catalyst. Technical Physics, 2009, 54, 1607-1611.	0.2	5
104	Ion beam synthesis of Mn/Sb clusters in silicon. Journal Physics D: Applied Physics, 2009, 42, 035406.	1.3	4
105	Photoluminescence and Raman study of a tensilely strained Si type-II quantum well on a relaxed SiGe graded buffer. IOP Conference Series: Materials Science and Engineering, 2009, 6, 012023.	0.3	1
106	SYNTHESIS AND CHARACTERIZATION OF NANOGRAINED PZT ₂ NiFe ₄ O ₄ PZT SANDWICHED LAYERS. , 2009, , .		0
107	Magnetic properties of MnP nanowhiskers grown by MBE. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2037-2039.	1.3	7
108	Electronic properties of Ge islands embedded in multilayer and superlattice structures. Thin Solid Films, 2008, 517, 303-305.	0.8	2

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109	MBE growth of Ge/Si quantum dots upon low-energy pulsed ion irradiation. Thin Solid Films, 2008, 517, 309-312.	0.8	7
110	Radiation hardness of GeSi heterostructures with thin Ge layers. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 147, 191-194.	1.7	7
111	Ferromagnetic resonance of ultrathin Co ²⁺ /Ag superlattices on Si(111). Journal of Applied Physics, 2008, 103, 07B527.	1.1	6
112	Radiation Effects in Quantum Dot Structures. , 2008, , 392-447.		9
113	Influence of the strong magnetocrystalline anisotropy on the magnetocaloric properties of MnP single crystal. Physical Review B, 2008, 77, .	1.1	62
114	Coexistence of spontaneous ferroelectricity and weak ferromagnetism in Bi _{0.8} Pb _{0.2} FeO _{2.9} perovskite. Journal of Physics Condensed Matter, 2008, 20, 155207.	0.7	18
115	Spin resonance of electrons localized on Ge/Si quantum dots. Physical Review B, 2008, 77, .	1.1	24
116	Heterovalent A-site doping of multiferroic BiFeO ₃ . , 2008, , .		0
117	Further insight into the temperature quenching of photoluminescence from InAs ⁺ /GaAs self-assembled quantum dots. Journal of Applied Physics, 2008, 103, .	1.1	22
118	Surface modification of Co-doped ZnO nanocrystals and its effects on the magnetic properties. Journal of Applied Physics, 2008, 103, .	1.1	18
119	OPTICAL AND STRUCTURAL ANALYSIS OF Ge/Si QUANTUM DOTS GROWN ON A Si(001) SURFACE COVERED WITH A SiO ₂ SUB-MONOLAYER. International Journal of Nanoscience, 2007, 06, 245-248.	0.4	0
120	Electron Paramagnetic Resonance Characterization of Mn- and Co-Doped ZnO Nanowires. AIP Conference Proceedings, 2007, , .	0.3	1
121	Electron paramagnetic resonance in transition metal-doped ZnO nanowires. Journal of Applied Physics, 2007, 101, 024324.	1.1	33
122	Ion beam synthesis of Mn/As-based clusters in silicon. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 90-93.	0.6	4
123	MBE growth of vertically ordered Ge quantum dots on Si. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 262-264.	0.8	2
124	Ferromagnetic Resonance and Hall Effect Characterization of GaMnSb Layers. Journal of Superconductivity and Novel Magnetism, 2007, 20, 399-403.	0.8	10
125	Effect Of Light Illumination On The Conductivity Of Tunnel-coupled Ge/Si Quantum Dots. AIP Conference Proceedings, 2007, , .	0.3	1
126	Hopping magnetoresistance in two-dimensional arrays of Ge/Si quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 296-299.	0.8	4

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127	Influence of matrix defects on the photoluminescence of InAs self-assembled quantum dots. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1348-1352.	0.8	6
128	RBS/channeling study of buried Ge quantum dots grown in a Si layer. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 249, 462-465.	0.6	5
129	Influence of defects on the optical and structural properties of Ge dots embedded in an Si/Ge superlattice. <i>Journal of Luminescence</i> , 2006, 121, 417-420.	1.5	11
130	Ferromagnetism and ferromagnetic resonance in Mn and As co-implanted Si and GaAs. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 126, 148-150.	1.7	11
131	Damage behaviour of GaAs/AlAs multilayer structures. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 249, 890-893.	0.6	1
132	Effect of Ge doping on the creation of luminescent radiation defects in MBE Si. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 248, 127-132.	0.6	3
133	Photoconduction in tunnel-coupled Ge/Si quantum dot arrays. <i>Journal of Experimental and Theoretical Physics</i> , 2006, 103, 269-277.	0.2	10
134	Ferromagnetism and Ferromagnetic Resonance in Mn Implanted Si and GaAs. <i>Materials Science Forum</i> , 2006, 514-516, 280-283.	0.3	0
135	Ion Beam Analysis of Ge/Si Dots Grown on Ultrathin SiO ₂ /Interlayers. <i>Materials Science Forum</i> , 2006, 514-516, 1121-1124.	0.3	0
136	Optical and structural study of Ge/Si quantum dots on Si(100) surface covered with a thin silicon oxide layer. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 124-125, 462-465.	1.7	6
137	Low-temperature molecular beam epitaxy of Ge on Si. <i>Materials Science in Semiconductor Processing</i> , 2005, 8, 35-39.	1.9	3
138	High resolution backscattering studies of nanostructured magnetic and semiconducting materials. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 241, 454-458.	0.6	13
139	Morphological Transformation of a Germanium Layer Grown on a Silicon Surface by Molecular-Beam Epitaxy at Low Temperatures. <i>Physics of the Solid State</i> , 2005, 47, 71.	0.2	2
140	Structural Characterization and Luminescence of Ge/Si Quantum Dots. <i>Materials Science Forum</i> , 2004, 455-456, 540-544.	0.3	1
141	The electronic structure and magnetic properties of transition metal-doped silicon carbide. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 1761-1768.	0.7	48
142	Orientation effects in the electronic and optical properties of germanium quantum wires. <i>Physical Review B</i> , 2004, 70, .	1.1	38
143	Pulsed laser annealing of Si-Ge superlattices. <i>Materials Science and Engineering C</i> , 2003, 23, 19-22.	3.8	6
144	Carrier dynamics in particle-irradiated InGaAs/GaAs quantum dots. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2003, 0, 1177-1180.	0.8	1

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145	Influence of defects on the luminescence of Ge/Si quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 1267-1270.	0.8	11
146	Photoexcitation electron paramagnetic resonance studies on nickel-related defects in diamond. Journal of Physics Condensed Matter, 2003, 15, 2493-2505.	0.7	8
147	Radiation hardness of InGaAs/GaAs quantum dots. Applied Physics Letters, 2003, 82, 1941-1943.	1.5	47
148	The effect of high-pressure high-temperature annealing on paramagnetic defects in diamond. Journal of Physics Condensed Matter, 2003, 15, S2941-S2949.	0.7	6
149	SELF-ORGANIZATION PHENOMENA IN PULSED LASER ANNEALED Si/Ge SUPERLATTICES. , 2003, , .		0
150	INTRADOT CARRIER RELAXATION IN RADIATION-DAMAGED InGaAs/GaAs QUANTUM DOT HETEROSTRUCTURES. , 2003, , .		0
151	Annealing study of the formation of nickel-related paramagnetic defects in diamond. Diamond and Related Materials, 2002, 11, 623-626.	1.8	20
152	Photo-EPR studies on the AB3 and AB4 nickel-related defects in diamond. Physica B: Condensed Matter, 2001, 308-310, 589-592.	1.3	3
153	Enhanced Radiation Hardness of InAs/GaAs Quantum Dot Structures. Physica Status Solidi (B): Basic Research, 2001, 224, 93-96.	0.7	40
154	Evaluation of the infrared absorption in nm-thick heavily boron-doped Si _{1-x} Ge _x layers on silicon. Journal of Materials Science: Materials in Electronics, 2001, 12, 241-243.	1.1	0
155	Coherent amorphization of Ge/Si multilayers with ion beams. Nuclear Instruments & Methods in Physics Research B, 2001, 178, 279-282.	0.6	2
156	Determination of the W8 and AB5 defect levels in the diamond gap. Journal of Physics Condensed Matter, 2001, 13, 8957-8964.	0.7	12
157	Enhanced radiation hardness of quantum dot lasers to high energy proton irradiation. Electronics Letters, 2001, 37, 174.	0.5	66
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