Andrey Akimov

List of Publications by Year in descending order

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184	2,769	172207	233125
papers	citations	29 h-index	45 g-index

185	185	185	2362
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Giant Photoelasticity of Polaritons for Detection of Coherent Phonons in a Superlattice with Quantum Sensitivity. Physical Review Letters, 2022, 128, 157401.	2.9	8
2	Protected Long-Distance Guiding of Hypersound Underneath a Nanocorrugated Surface. ACS Nano, 2021, 15, 4802-4810.	7.3	4
3	Nondestructive Picosecond Ultrasonic Probing of Intralayer and van der Waals Interlayer Bonding in Î±â€• and Î²â€²In₂Se₃. Advanced Functional Materials, 2021, 31, 2106206.	7.8	11
4	Ultrafast Strain-Induced Charge Transport in Semiconductor Superlattices. Physical Review Applied, 2020, 14, .	1.5	1
5	Magnon polaron formed by selectively coupled coherent magnon and phonon modes of a surface patterned ferromagnet. Physical Review B, 2020, 102, .	1.1	47
6	Resonant thermal energy transfer to magnons in a ferromagnetic nanolayer. Nature Communications, 2020, 11, 4130.	5.8	7
7	A role of a picosecond strain in an ultrafast optically-driven phase transition in VO2 nanostructures. Journal of Physics: Conference Series, 2020, 1461, 012108.	0.3	0
8	High-speed modulation of a terahertz quantum cascade laser by coherent acoustic phonon pulses. Nature Communications, 2020, 11, 835.	5.8	26
9	Large non-thermal contribution to picosecond strain pulse generation using the photo-induced phase transition in VO2. Nature Communications, 2020, 11, 1690.	5.8	23
10	Picosecond ultrasonics with miniaturized semiconductor lasers. Ultrasonics, 2020, 106, 106150.	2.1	6
11	Temporal superoscillations of subterahertz coherent acoustic phonons. Physical Review Research, 2020, 2, .	1.3	3
12	Photoelasticity of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>VO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml nanolayers in insulating and metallic phases studied by picosecond ultrasonics. Physical Review Materials, 2020, 4, .	0.9	2
13	High-Frequency Elastic Coupling at the Interface of van der Waals Nanolayers Imaged by Picosecond Ultrasonics. ACS Nano, 2019, 13, 11530-11537.	7.3	24
14	Ultrafast Insulator-Metal Transition in VO2 Nanostructures Assisted by Picosecond Strain Pulses. Physical Review Applied, 2019, 11, .	1.5	12
15	Optical Excitation of Single- and Multimode Magnetization Precession in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Fe</mml:mi></mml:math> - <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Ga</mml:mi></mml:math> Nanolayers. Physical Review Applied, 2019, 11, .	1.5	14
16	High-Speed Modulation of a Terahertz Quantum Cascade Laser Using Coherent Acoustic Phonon Pulses. , 2019, , .		0
17	Generation of a localized microwave magnetic field by coherent phonons in a ferromagnetic nanograting. Physical Review B, 2018, 97, .	1.1	25
18	A high electron mobility phonotransistor. Communications Physics, 2018, 1, .	2.0	3

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19	Coherent acoustic phonons in van der Waals nanolayers and heterostructures. Physical Review B, 2018, 98, .	1.1	31
20	Photoelastic properties of zinc-blende <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Al</mml:mi><mml:mi>x</mml:mi></mml:ms mathvariant="normal">N</mml:mi></mml:mrow></mml:math> in the UV: Picosecond ultrasonic studies. Physical Review Materials, 2018, 2, .	0.9	10
21	Review of microwave electro-phononics in semiconductor nanostructures. Semiconductor Science and Technology, 2017, 32, 053003.	1.0	11
22	The effect of dynamical compressive and shear strain on magnetic anisotropy in a low symmetry ferromagnetic film. Physica Scripta, 2017, 92, 054006.	1.2	10
23	Picosecond Control of Quantum Dot Laser Emission by Coherent Phonons. Physical Review Letters, 2017, 118, 133901.	2.9	23
24	Phonon Spectroscopy with Chirped Shear and Compressive Acoustic Pulses. Physical Review Letters, 2017, 119, 255502.	2.9	3
25	Acousto-optical nanoscopy of buried photonic nanostructures. Optica, 2017, 4, 588.	4.8	1
26	Decay of coherent acoustic phonons generated by femtosecond pulsed optical excitation and injected in a Wannier-Stark superlattice (Conference Presentation). , 2017, , .		0
27	Ultrafast changes of magnetic anisotropy driven by laser-generated coherent and noncoherent phonons in metallic films. Physical Review B, 2016, 93, .	1.1	38
28	Contributions from coherent and incoherent lattice excitations to ultrafast optical control of magnetic anisotropy of metallic films. , 2016, , .		0
29	Nanomechanical probing of the layer/substrate interface of an exfoliated InSe sheet on sapphire. Scientific Reports, 2016, 6, 26970.	1.6	14
30	Heterodyne mixing of millimetre electromagnetic waves and sub-THz sound in a semiconductor device. Scientific Reports, 2016, 6, 30396.	1.6	8
31	Coherent Acoustic Phonons in Colloidal Semiconductor Nanocrystal Superlattices. ACS Nano, 2016, 10, 1163-1169.	7.3	52
32	Resonant driving of magnetization precession in a ferromagnetic layer by coherent monochromatic phonons. Physical Review B, 2015, 92, .	1.1	55
33	A weakly coupled semiconductor superlattice as a harmonic hypersonic-electrical transducer. New Journal of Physics, 2015, 17, 083064.	1.2	9
34	Coherent phonon optics in a chip with an electrically controlled active device. Scientific Reports, 2015, 5, 8279.	1.6	9
35	Impact of nanomechanical resonances on lasing from electrically pumped quantum dot micropillars. Applied Physics Letters, 2015, 106, .	1.5	11
36	Picosecond acoustics in semiconductor optoelectronic nanostructures. Ultrasonics, 2015, 56, 122-128.	2.1	10

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37	High-frequency acousto-optic effects in Bragg reflectors. Optics Express, 2014, 22, 15218.	1.7	4
38	Hypersonic properties of monodisperse spherical mesoporous silica particles. Journal Physics D: Applied Physics, 2014, 47, 335303.	1.3	6
39	Electrical detection of picosecond acoustic pulses in vertical transport devices with nanowires. Applied Physics Letters, 2014, 104, 062102.	1.5	2
40	Photoluminescence of magnesium and silicon doped cubic GaN. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 385-388.	0.8	10
41	Low fraction of hexagonal inclusions in thick and bulk cubic GaN layers. Applied Surface Science, 2014, 317, 1010-1014.	3.1	14
42	Lasing from active optomechanical resonators. Nature Communications, 2014, 5, 4038.	5.8	37
43	Controlled Lasing from Active Optomechanical Resonators. , 2014, , .		0
44	Picosecond inverse magnetostriction in galfenol thin films. Applied Physics Letters, 2013, 103, .	1.5	52
45	Dynamics of a vertical cavity quantum cascade phonon laser structure. Nature Communications, 2013, 4, 2184.	5.8	40
46	The QLA and QTA strain Picosecond opto-acoustic interferometry and polarimetry in high-index GaAs. Optics Express, 2013, 21, 16473.	1.7	15
47	Quantized phonon modes in loaded polymer films. Journal of Applied Physics, 2013, 113, 033516.	1.1	2
48	Magnetization precession induced by quasitransverse picosecond strain pulses in (311) ferromagnetic (Ga,Mn)As. Physical Review B, 2013, 87, .	1.1	35
49	Hybrid structures of magnetic semiconductors and plasmonic crystals: a novel concept for magneto-optical devices [Invited]. Journal of the Optical Society of America B: Optical Physics, 2012, 29, A103.	0.9	14
50	Studying periodic nanostructures by probing the in-sample optical far-field using coherent phonons. Applied Physics Letters, 2012, 101, .	1.5	5
51	Picosecond strain pulses generated by a supersonically expanding electron-hole plasma in GaAs. Physical Review B, 2012, 86, .	1.1	35
52	Opal-Based Hypersonic Crystals. Series in Optics and Optoelectronics, 2012, , 323-340.	0.0	0
53	Destruction and recurrence of excitons by acoustic shock waves on picosecond time scales. Physical Review B, 2012, 86, .	1.1	6
54	Subterahertz Acoustical Pumping of Electronic Charge in a Resonant Tunneling Device. Physical Review Letters, 2012, 108, 226601.	2.9	33

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55	Hexagonal (wurtzite) GaN inclusions as a defect in cubic (zinc-blende) GaN. Physica B: Condensed Matter, 2012, 407, 2964-2966.	1.3	7
56	Laser mode feeding by shaking quantum dots in a planar microcavity. Nature Photonics, 2012, 6, 30-34.	15.6	74
57	Modulation of a surface plasmon-polariton resonance by subterahertz diffracted coherent phonons. Physical Review B, 2012, 86, .	1.1	19
58	Plasma-assisted electroepitaxy as a novel method for the growth of GaN layers. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 538-541.	0.8	2
59	Excitation of spin waves in ferromagnetic (Ga,Mn)As layers by picosecond strain pulses. Physical Review B, 2012, 85, .	1.1	65
60	Coherent hypersonic closed-pipe organ like modes in supported polymer films. Applied Physics Letters, 2011, 99, 021912.	1.5	20
61	Ultrafast Acoustic Gating of Photocurrent in Nanodevices With a Quantum Well. AIP Conference Proceedings, 2011, , .	0.3	0
62	Ultrafast Strain-Induced Current in a GaAs Schottky Diode. Physical Review Letters, 2011, 106, 066602.	2.9	29
63	Wurtzite AlxGa1â^'xN bulk crystals grown by molecular beam epitaxy. Journal of Crystal Growth, 2011, 322, 23-26.	0.7	9
64	Optical and photocurrent spectroscopy with picosecond strain pulses. Journal of Luminescence, 2011, 131, 404-408.	1.5	8
65	Fast switching of magnetization in the ferromagnetic semiconductor (Ga,Mn)(As,P) using nonequilibrium phonon pulses. Applied Physics Letters, 2011, 99, .	1.5	8
66	Picosecond strain pulses probed by the photocurrent in semiconductor devices with quantum wells. Physical Review B, 2011, 83, .	1.1	11
67	Carrier localization and related photoluminescence in cubic AlGaN epilayers. Journal of Applied Physics, 2011, 110, 063517.	1.1	9
68	Optical properties of synthetic-opal films with a copper-filled pore sublattice. Physics of the Solid State, 2010, 52, 1170-1175.	0.2	2
69	Coherent elastic waves in a one-dimensional polymer hypersonic crystal. Applied Physics Letters, 2010, 97, 073106.	1.5	33
70	Optical detection of folded mini-zone-edge coherent acoustic modes in a doped GaAs/AlAs superlattice. Physical Review B, 2010, 82, .	1.1	7
71	Molecular beam epitaxy as a method for the growth of freestanding zinc-blende (cubic) GaN layers and substrates. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C3B1-C3B6.	0.6	28
72	Optical bandpass switching by modulating a microcavity using ultrafast acoustics. Physical Review B, 2010, 81, .	1.1	29

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73	Zinc-blende (Cubic) GaN and AlGaN Layers, Structures and Bulk Crystals by Molecular Beam Epitaxy. , 2010, , .		0
74	Filtering of Elastic Waves by Opal-Based Hypersonic Crystal. Nano Letters, 2010, 10, 1319-1323.	4.5	23
75	Coherent Terahertz Sound Amplification and Spectral Line Narrowing in a Stark Ladder Superlattice. Physical Review Letters, 2010, 104, 085501.	2.9	121
76	Coherent Magnetization Precession in Ferromagnetic (Ga,Mn)As Induced by Picosecond Acoustic Pulses. Physical Review Letters, 2010, 105, 117204.	2.9	170
77	Ultrafast acoustical gating of the photocurrent in apâ^'iâ^'ntunneling diode incorporating a quantum well. Physical Review B, 2009, 80, .	1.1	7
78	Terahertz polariton sidebands generated by ultrafast strain pulses in an optical semiconductor microcavity. Physical Review B, 2009, 80, .	1.1	23
79	Elasto-optical properties of zinc-blende (cubic) GaN measured by picosecond acoustics. Journal Physics D: Applied Physics, 2009, 42, 115412.	1.3	13
80	Growth by Molecular Beam Epitaxy of GaNAs Alloys with High As Content for Potential Photoanode Applications in Hydrogen Production. Materials Research Society Symposia Proceedings, 2009, 1167, 7.	0.1	0
81	Molecular beam epitaxy of crystalline and amorphous GaN layers with high As content. Journal of Crystal Growth, 2009, 311, 3417-3422.	0.7	22
82	Coherent terahertz acoustic vibrations in polar and semipolar gallium nitride-based superlattices. Applied Physics Letters, 2009, 94, 011909.	1.5	12
83	Hypersonic Modulation of Light in Three-Dimensional Photonic and Phononic Band-Gap Materials. Physical Review Letters, 2008, 101, 033902.	2.9	98
84	Semiconductor charge transport driven by a picosecond strain pulse. Applied Physics Letters, 2008, 92, 232104.	1.5	14
85	Ultrafast control of light emission from a quantum-well semiconductor microcavity using picosecond strain pulses. Physical Review B, 2008, 78, .	1.1	35
86	Ultrafast piezospectroscopy in semiconductor nanostructures. Proceedings of SPIE, 2008, , .	0.8	0
87	Ultrafast stop band kinetics in a three-dimensional opal-VO2photonic crystal controlled by a photoinduced semiconductor-metal phase transition. Physical Review B, 2007, 75, .	1.1	60
88	Plasmonic effects and visible light diffraction in three-dimensional opal-metal photonic crystals. Applied Physics Letters, 2007, 90, 171108.	1.5	10
89	Phononic properties of opals. Journal of Physics: Conference Series, 2007, 92, 012107.	0.3	2
90	Acoustic solitons in semiconductor nanostructures. Journal of Physics: Conference Series, 2007, 92, 012002.	0.3	3

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91	Chirping of an Optical Transition by an Ultrafast Acoustic Soliton Train in a Semiconductor Quantum Well. Physical Review Letters, 2007, 99, 057402.	2.9	43
92	Luminescence studies of spin dynamics in magnetic semiconductor nanostructures. Journal of Luminescence, 2007, 125, 1-10.	1.5	1
93	Picosecond kinetics of magnetization in optically excited (Zn,Mn)Se quantum wells. Physica Status Solidi (B): Basic Research, 2006, 243, 934-938.	0.7	0
94	Ultrafast Band-Gap Shift Induced by a Strain Pulse in Semiconductor Heterostructures. Physical Review Letters, 2006, 97, 037401.	2.9	62
95	Multiple transfer of angular momentum quanta from a spin-polarized hole to magnetic ions inZn1âˆ'xMnxSeâ•Zn1âˆ'yBeySequantum wells. Physical Review B, 2006, 73, .	1.1	19
96	Spin-lattice relaxation in diluted magnetic (Cd,Mn)Se quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 867-870.	0.8	3
97	Spin dynamics of Mn-ion system in diluted-magnetic-semiconductor heterostructures based on ZnMnSe. AIP Conference Proceedings, 2005, , .	0.3	0
98	Spin control in heteromagnetic nanostructures. Applied Physics Letters, 2005, 86, 162104.	1.5	12
99	Photocarrier-induced spin heating and spin-lattice relaxation in diluted magnetic Stranski-Krastanov quantum dots. Physical Review B, 2005, 72, .	1.1	20
100	Subpicosecond shifting of the photonic band gap in a three-dimensional photonic crystal. Applied Physics Letters, 2005, 86, 041114.	1.5	41
101	Coherent Interactions of Terahertz Strain Solitons and Electronic Two-Level Systems in Photoexcited Ruby. Physical Review Letters, 2004, 92, 035503.	2.9	45
102	Ultrafast Bragg switching induced by a phase transition in a 3D photonic crystal. , 2004, , .		0
103	Dynamics of localized Mn spins in diluted-magnetic-semiconductor nanostructures with quantum dots. Physica Status Solidi (B): Basic Research, 2004, 241, 361-369.	0.7	8
104	Spin and energy transfer between magnetic ions and freecarriers in diluted-magnetic semiconductor heterostructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 989-992.	0.8	10
105	Spin-lattice relaxation in heteromagnetic nanostructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 2852-2855.	0.8	0
106	Ultrafast all-optical switching in a three-dimensional photonic crystal. Journal of Luminescence, 2004, 108, 163-166.	1.5	6
107	The 29-cmâˆ'1 ruby phonon detector as a probe for ultrashort strain solitons. Journal of Luminescence, 2004, 108, 281-284.	1.5	1
108	Femtosecond Bragg switching in opal-a-nc-Si photonic crystals. Journal of Non-Crystalline Solids, 2004, 338-340, 215-217.	1.5	4

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109	Ultrafast switching in Si-embedded opals. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 410-413.	1.3	11
110	Optically induced Bragg switching in opal-VO2 photonic crystals. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 429-430.	1.3	8
111	Laser-pulse-induced Bragg diffraction spectrum rearrangement in opal-VO2 composites. Physics of the Solid State, 2003, 45, 240-243.	0.2	4
112	Ultrafast Optical Switching in Three-Dimensional Photonic Crystals. Physical Review Letters, 2003, 91, 213903.	2.9	156
113	Excitonâ€“phonon interaction in quantum wells. , 2003, , 239-268.		1
114	Phonon emission by photoexcited carriers in InGaN/GaN multiple quantum wells. Journal of Physics Condensed Matter, 2002, 14, 3445-3455.	0.7	4
115	Acoustic phonon-assisted tunneling in GaAs/AlAs superlattices. Physical Review B, 2002, 66, .	1.1	15
116	Spin-Lattice Relaxation Study in Diluted Magnetic Semiconductor Quantum Wells and Quantum Dots. Physica Status Solidi (B): Basic Research, 2002, 229, 723-726.	0.7	5
117	Spin-phonon dynamics in doped magnetic quantum wells. Physica B: Condensed Matter, 2002, 316-317, 41-47.	1.3	4
118	The phonon-drag effect in low mobility gallium nitride epilayers. Physica B: Condensed Matter, 2002, 316-317, 110-113.	1.3	0
119	Nonradiative processes and phonon emission in GaAsN alloys. Physica B: Condensed Matter, 2002, 316-317, 114-117.	1.3	1
120	Phonon emission by optically pumped indium arsenide quantum dots in gallium arsenide. Physica B: Condensed Matter, 2002, 316-317, 198-201.	1.3	3
121	Frequency dependence of acoustic phonon-assisted tunnelling in semiconductor superlattices. Physica B: Condensed Matter, 2002, 316-317, 209-211.	1.3	3
122	Dynamics of vibrations in a mixed amorphous-nanocrystalline Si system. Physical Review B, 2001, 64, .	1.1	15
123	Energy relaxation by hot electrons in n-GaN epilayers. Journal of Applied Physics, 2001, 89, 973-979.	1.1	43
124	Spinâ€“lattice relaxation in semimagnetic CdMnTe/CdMgZnTe quantum wells with a two-dimensional hole gas tuned by optical excitation. Solid State Communications, 2001, 120, 17-20.	0.9	18
125	Acoustic Phonon Emission by Optically Excited Carriers in the InAs/GaAs Quantum Dot System. Physica Status Solidi (B): Basic Research, 2001, 224, 659-663.	0.7	9
126	Phonon and Photon Emission from Optically Excited InGaN/GaN Multiple Quantum Wells. Physica Status Solidi (B): Basic Research, 2001, 228, 107-110.	0.7	0

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127	Energy Relaxation by Warm Two-Dimensional Electrons in a GaN/AlGaN Heterostructure. Physica Status Solidi (B): Basic Research, 2001, 228, 607-611.	0.7	8
128	Exciton energy relaxation on acoustic phonons in double-quantum-well structures. Physics of the Solid State, 2001, 43, 752-762.	0.2	3
129	Absorption of nonequilibrium acoustic phonons by low-mobility electrons in GaN. Applied Physics Letters, 2001, 78, 1089-1091.	1.5	1
130	Acceleration of the spin-lattice relaxation in diluted magnetic quantum wells in the presence of a two-dimensional electron gas. Physical Review B, 2001, 64, .	1.1	23
131	Spin-lattice relaxation in semimagnetic quantum wells with a 2DEG. Springer Proceedings in Physics, 2001, , 252-253.	0.1	0
132	Imaging phonon drag in gallium nitride. Applied Physics Letters, 2000, 77, 3403-3405.	1.5	4
133	Phonon generation and decay in hydrogenated amorphous silicon. Physical Review B, 2000, 62, 8072-8081.	1.1	10
134	Spin-lattice relaxation in semimagnetic CdMnTe/CdMgTe quantum wells. Physical Review B, 2000, 62, R10641-R10644.	1.1	32
135	Dynamics of Si-H Vibrations in an Amorphous Environment. Physical Review Letters, 2000, 84, 1236-1239.	2.9	36
136	Ultrafast infrared experiments on Siâ€“H vibrations in a-Si:H. Journal of Non-Crystalline Solids, 2000, 266-269, 180-184.	1.5	3
137	Enhancement of luminescence intensity induced by 1.06 Âµm excitation in InAs/GaAs quantum dots. Semiconductor Science and Technology, 1999, 14, 1132-1135.	1.0	7
138	Heating of the spin system by nonequilibrium phonons in semimagnetic (Cd,Mn,Mg)Te quantum wells. Physical Review B, 1999, 60, 5609-5616.	1.1	19
139	Phonon dynamics in amorphous and nanocrystalline silicon. Journal of Luminescence, 1999, 83-84, 161-165.	1.5	0
140	Excitonâ€“phonon interaction in single and double quantum wells. Physica B: Condensed Matter, 1999, 263-264, 175-179.	1.3	2
141	Phonon generation by carrier recombination in a-Si:H. Physica B: Condensed Matter, 1999, 263-264, 283-285.	1.3	5
142	Stimulated phonon emission in superlattices. Physica B: Condensed Matter, 1999, 263-264, 537-539.	1.3	9
143	Decay of nonequilibrium phonons in nanocrystalline silicon. Physica B: Condensed Matter, 1999, 263-264, 473-475.	1.3	4
144	Detection of nonequilibrium phonons by the exciton luminescence in CdMnTe-based quantum wells. Physica B: Condensed Matter, 1999, 263-264, 501-503.	1.3	0

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145	Free-electron laser experiments on Siâ€“H vibrations in a-Si:H. Journal of Luminescence, 1999, 83-84, 183-186.	1.5	1
146	Dynamics of superradiant excitons in GaAs single quantum wells. Journal of Luminescence, 1999, 83-84, 309-312.	1.5	2
147	Heating of two-dimensional excitons by nonequilibrium acoustic phonons. Physics of the Solid State, 1999, 41, 1564-1568.	0.2	1
148	Effect of nonequilibrium phonons on the tunnel current in superlattices. Superlattices and Microstructures, 1999, 25, 459-462.	1.4	1
149	Localization of the Siâ€“H stretch vibration in amorphous silicon. Applied Physics Letters, 1999, 75, 2945-2947.	1.5	21
150	Influence of nonequilibrium phonons on exciton luminescence in CdTe/CdMnTe quantum wells. Physics of the Solid State, 1998, 40, 750-753.	0.2	0
151	Phonon scattering from self-aligned InAs quantum dots in GaAs. Microelectronic Engineering, 1998, 43-44, 25-29.	1.1	0
152	Hot phonon-assisted electron resonant tunnelling through a donor level in a quantum well. Physica E: Low-Dimensional Systems and Nanostructures, 1998, 2, 191-194.	1.3	0
153	Transport of superradiant excitons in GaAs single quantum wells. Physical Review B, 1997, 56, 15282-15288.	1.1	7
154	Luminescence detection of nonequilibrium phonons inCdTe/Cd0.6Mn0.4Tesemimagnetic quantum wells. Physical Review B, 1997, 56, 12100-12103.	1.1	12
155	Luminescence of excitons in slightly asymmetric double quantum wells. Physics of the Solid State, 1997, 39, 649-653.	0.2	6
156	Exciton Tunnelling Induced by Nonequilibrium Phonons in Slightly Asymmetric Double Quantum Wells. Physica Status Solidi (B): Basic Research, 1997, 204, 400-403.	0.7	2
157	Studies of Phonon-Assisted Tunnelling in a Î´-Doped Double Barrier Resonant Tunnelling Device. Physica Status Solidi (B): Basic Research, 1997, 204, 431-434.	0.7	10
158	Non-equilibrium acoustic phonon-assisted tunnelling in GaAs/(AlGa)As double barrier devices. Surface Science, 1996, 361-362, 181-184.	0.8	5
159	Energy distributions of 2D excitons in the presence of nonequilibrium phonons. Journal of Physics Condensed Matter, 1996, 8, 2163-2171.	0.7	7
160	Interaction of phonons with 2D exciton gas. Physica B: Condensed Matter, 1996, 219-220, 9-12.	1.3	11
161	Effect of nonequilibrium acoustic phonons on exciton states in interrupted grown GaAs/Al0.33Ga0.67As quantum wells. Physica B: Condensed Matter, 1996, 219-220, 59-61.	1.3	8
162	Phonon-assisted tunnelling in GaAs/(AlGa)As resonant tunnelling devices. Physica B: Condensed Matter, 1996, 219-220, 19-21.	1.3	2

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163	Localized high-frequency phonons in amorphous materials. Physica B: Condensed Matter, 1996, 219-220, 228-230.	1.3	1
164	Transport of 29cmâ^'1phonons in hydrogenated amorphous silicon. Physical Review B, 1996, 54, 12151-12161.	1.1	7
165	Tunnelling of Direct and Indirect Excitons in Slightly Asymmetric Double Quantum Wells. Acta Physica Polonica A, 1996, 90, 895-898.	0.2	7
166	Phonon heating of two-dimensional exciton gases in GaAs/AlGaAs quantum wells. Annalen Der Physik, 1995, 507, 127-135.	0.9	11
167	The Lifetimes of High-Frequency Phonons in Amorphous Silicon: Evidence for Phonon Localization. Solid State Phenomena, 1995, 44-46, 289-298.	0.3	7
168	Far-infrared emission from two-dimensional electron and hole gases in GaAs/(AlGa)As heterojunctions. Semiconductor Science and Technology, 1994, 9, 831-834.	1.0	8
169	Far infrared emission from magnetically quantised 2DEGs in GaAs/(AlGa)As heterojunctions. Surface Science, 1994, 305, 280-284.	0.8	2
170	Optical Studies of Nonequilibrium Phonons in Semiconductors. , 1994, , 113-128.		1
171	Nonequilibrium phonon dynamics in amorphous silicon. Journal of Non-Crystalline Solids, 1993, 164-166, 923-925.	1.5	14
172	Nonequilibrium phonons in amorphous silicon studied by pulsed Raman spectroscopy. Physical Review B, 1993, 47, 13910-13913.	1.1	35
173	Luminescence Detection of Phonons Emitted from the First and Second Sub-Bands of a 2-DEG in Silicon. Springer Series in Solid-state Sciences, 1993, , 371-372.	0.3	0
174	Luminescence Study of the Scattering of High-Frequency Phonons in Amorphous Semiconductor Films. Springer Series in Solid-state Sciences, 1993, , 269-270.	0.3	0
175	Investigations Using Phonon Detection by Exciton Luminescence. Springer Series in Solid-state Sciences, 1993, , 101-105.	0.3	0
176	Phonon emission from the first and second subbands of a two-dimensional electron gas in silicon detected by exciton luminescence. Physical Review B, 1992, 45, 11387-11390.	1.1	9
177	Optical studies of high-frequency nonequilibrium phonons in noncrystalline solids. Journal of Luminescence, 1992, 53, 7-14.	1.5	10
178	Exciton and free carrier dynamics under conditions of impurity photoionization in epitaxial GaAs. Journal of Luminescence, 1992, 53, 335-338.	1.5	4
179	Phonon wind on excitons in silicon. Physica B: Condensed Matter, 1991, 169, 382-387.	1.3	4
180	Far infrared and phonon emission from a hot two-dimensional electron gas in a silicon mosfet at 4K.. Physica B: Condensed Matter, 1991, 169, 563-564.	1.3	9

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181	Characterization of high-Tcsuperconducting films by laser imaging. Superconductor Science and Technology, 1991, 4, 602-605.	1.8	1
182	Luminescence study of exciton drag by acoustic phonons in silicon. Journal of Luminescence, 1990, 45, 135-137.	1.5	5
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