

Thomas Dekorsy

List of Publications by Year in descending order

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53660

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208
times ranked

7566
citing authors

#	ARTICLE	IF	CITATIONS
1	Femtosecond fiber oscillator based on a 3Å–3-coupler-NALM: numerical model and realizations at 1 and 2 Åµm. Optics Express, 2022, 30, 12555.	1.7	4
2	Thin-disk laser system operating above 10â€™%â€™%kW at near fundamental mode beam quality. Optics Letters, 2021, 46, 965.	1.7	32
3	Thin-disk multipass amplifier for kilowatt-class ultrafast lasers above 100 mj. , 2021, , .		3
4	Passively Q-switched 914â€™%nm microchip laser for lidar systems. Optics Express, 2021, 29, 23799.	1.7	3
5	Hybrid Design of an Optical Detector for Terrestrial Laser Range Finding. IEEE Sensors Journal, 2021, 21, 16606-16612.	2.4	2
6	Multi-kilowatt Ultrafast Laser with Thin-disk Technology. , 2021, , .		1
7	Looking Inside Micro- and Nano-Mechanical Pillar Resonators: A Picosecond Ultrasonics Approach. Proceedings (mdpi), 2020, 56, 31.	0.2	0
8	Monolithic thin-disk laser and amplifier concept. Optica, 2020, 7, 1409.	4.8	6
9	Broadband Photo-Excited Coherent Acoustic Frequency Combs and Mini-Brillouin-Zone Modes in a MQW-SESAM Structure. Applied Sciences (Switzerland), 2019, 9, 289.	1.3	7
10	Optimized seeded Bridgman growth and temperature dependent THz optical properties of LiInS ₂ crystals. CrystEngComm, 2019, 21, 2614-2619.	1.3	2
11	Design concepts in absorbance optical systems for analytical ultracentrifugation. Analyst, The, 2018, 143, 4040-4050.	1.7	10
12	Unambiguous real-time terahertz frequency metrology using dual 10â€™%â€™%GHz femtosecond frequency combs. Optica, 2018, 5, 1431.	4.8	9
13	GHz Yb:KYW oscillators in time-resolved spectroscopy. , 2018, , .		0
14	Acoustic beam splitting at low GHz frequencies in a defect-free phononic crystal. Applied Physics Letters, 2017, 110, .	1.5	17
15	Guiding of elastic waves in a two-dimensional graded phononic crystal plate. New Journal of Physics, 2017, 19, 013029.	1.2	9
16	Characterization of thin-film adhesion and phonon lifetimes in Al/Si membranes by picosecond ultrasonics. New Journal of Physics, 2017, 19, 053019.	1.2	31
17	Beam Quality Deterioration in Dense Wavelength Beam-Combined Broad-Area Diode Lasers. IEEE Journal of Quantum Electronics, 2017, 53, 1-11.	1.0	15
18	Acoustic waves undetectable by transient reflectivity measurements. Physical Review B, 2017, 95, .	1.1	12

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19	Topological guiding of elastic waves in phononic metamaterials based on 2D pentamode structures. Scientific Reports, 2017, 7, 18043.	1.6	37
20	Temperature dependence of free carriers and lattice vibrations in novel nonlinear optical crystals in the Thz frequency regime. , 2017, , .		0
21	Thin-film filter wavelength-stabilized, grating combined, high-brightness kW-class direct diode laser. Optics Express, 2017, 25, 17657.	1.7	17
22	Picosecond Photoacoustic Metrology of SiO ₂ and LiNbO ₃ Layer Systems Used for High Frequency Surface-Acoustic-Wave Filters. Applied Sciences (Switzerland), 2017, 7, 822.	1.3	9
23	Conductivity Measurements of TiO ₂ Nanowires via Terahertz Time-Domain Spectroscopy. , 2017, , .		0
24	Ultrafast time-domain spectroscopy system using 10 GHz asynchronous optical sampling with 100 kHz scan rate. Optics Express, 2016, 24, 29930.	1.7	28
25	Finite element analysis of surface modes in phononic crystal waveguides. Journal of Applied Physics, 2016, 119, .	1.1	25
26	Ultrafast study of phonon transport in isotopically controlled semiconductor nanostructures. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 541-548.	0.8	5
27	Viscoelastic properties and efficient acoustic damping in confined polymer nano-layers at GHz frequencies. Scientific Reports, 2016, 6, 33471.	1.6	22
28	Catalytically Doped Semiconductors for Chemical Gas Sensing: Aerogel-Like Aluminum-Containing Zinc Oxide Materials Prepared in the Gas Phase. Advanced Functional Materials, 2016, 26, 3424-3437.	7.8	42
29	Nanophononics: state of the art and perspectives. European Physical Journal B, 2016, 89, 1.	0.6	149
30	Publisher's Note: Temperature dependence of free carriers and optical phonons in LiInSe_2 in the terahertz frequency regime [Phys. Rev. B, 144303 (2015)]. Physical Review B, 2015, 92, .		
31	Temperature dependence of free carriers and optical phonons in LiInSe_2 in the terahertz frequency regime. Physical Review B, 2015, 92, .		
32	Collective Modes and Structural Modulation in Ni-Mn-Ga(Co) Martensite Thin Films Probed by Femtosecond Spectroscopy and Scanning Tunneling Microscopy. Physical Review Letters, 2015, 115, 076402.	2.9	13
33	Study of confined coherent acoustic phonon modes in a free-standing cubic GaN membrane by femtosecond spectroscopy. Applied Physics Letters, 2015, 107, .	1.5	11
34	A single-source precursor route to anisotropic halogen-doped zinc oxide particles as a promising candidate for new transparent conducting oxide materials. Beilstein Journal of Nanotechnology, 2015, 6, 2161-2172.	1.5	5
35	Terahertz emission based on large-area photoconductive emitters illuminated via beam interference. Electronics Letters, 2015, 51, 1357-1359.	0.5	2
36	Polarization dependence of coherent phonon generation and detection in the three-dimensional topological insulator Bi ₂ Te ₃ . Physical Review B, 2015, 91, .	1.1	22

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37	Fiber-coupled high-speed asynchronous optical sampling with sub-50 fs time resolution. Optics Express, 2015, 23, 2145.	1.7	7
38	Two-colour high-speed asynchronous optical sampling based on offset-stabilized Yb:KYW and Ti:sapphire oscillators. Optics Express, 2015, 23, 18288.	1.7	8
39	121 W passively mode-locked Tm:LuAG laser. Optics Express, 2015, 23, 11819.	1.7	33
40	Time-resolved detection of propagating Lamb waves in thin silicon membranes with frequencies up to 197 GHz. Applied Physics Letters, 2015, 106, 171904.	1.5	10
41	Generation and detection of gigahertz acoustic oscillations in thin membranes. Ultrasonics, 2015, 56, 109-115.	2.1	14
42	Origin of potential errors in the quantitative determination of terahertz optical properties in time-domain terahertz spectroscopy. Chinese Optics Letters, 2015, 13, 093001-93005.	1.3	3
43	Passively Mode-locked 2 $\frac{1}{4}$ m Bulk Laser with \geq 1 Watt Output. , 2015, , .		0
44	Optical properties of LiInSe ₂ in the THz frequency regime. Optical Materials Express, 2014, 4, 1336.	1.6	7
45	Coherent lattice dynamics of the topological insulator Bi ₂ Te ₃ probed by ultrafast spectroscopy. Applied Physics Letters, 2014, 105, 011902.	1.5	21
46	Nanoarchitecture Effects on Persistent Room Temperature Photoconductivity and Thermal Conductivity in Ceramic Semiconductors: Mesoporous, Yolk-Shell, and Hollow ZnO Spheres. Crystal Growth and Design, 2014, 14, 4593-4601.	1.4	21
47	Optical properties and birefringence in LiInS ₂ in the terahertz frequency range. Optical Materials Express, 2014, 4, 575.	1.6	8
48	Dynamics of coherent acoustic phonons in thin films of CoSb_3 and partially filled Yb_xCo	1.1	13
49	Phase Transitions in Co-Doped NiMnGa Magnetic Shape Memory Alloys Probed by Coherent Phonons. , 2014, , .		0
50	Investigation of high gigahertz acoustic phonon lifetimes in thin silicon membranes. , 2013, , .		0
51	Lifetimes of Confined Acoustic Phonons in Ultrathin Silicon Membranes. Physical Review Letters, 2013, 110, 095503.	2.9	96
52	Mode-locked Tm,Ho:YAP laser around 21 $\frac{1}{4}$ m. Optics Express, 2013, 21, 1574.	1.7	17
53	Mode-locking of 2 $\frac{1}{4}$ m Tm,Ho:YAG laser with GaInAs and GaSb-based SESAMs. Optics Express, 2013, 21, 4311.	1.7	37
54	Consistent characterization of semiconductor saturable absorber mirrors with single-pulse and pump-probe spectroscopy. Optics Express, 2013, 21, 6764.	1.7	10

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55	Optical generation of a broadband acoustic frequency comb in the 100 GHz-regime. , 2013, , .		1
56	Ultrafast spectroscopy of super high frequency mechanical modes of doubly clamped beams. Applied Physics Letters, 2013, 103, .	1.5	8
57	Selective excitation of zone-folded phonon modes within one triplet in a semiconductor superlattice. Physical Review B, 2013, 87, .	1.1	6
58	Femtosecond spectroscopy of acoustic frequency combs in the 100-GHz frequency range in Al/Si membranes. Physical Review B, 2013, 88, .	1.1	21
59	Low-temperature THz time domain waveguide spectrometer with butt-coupled emitter and detector crystal. Optics Express, 2012, 20, 19769.	1.7	8
60	Efficient continuous wave and passively mode-locked Tm-doped crystalline silicate laser. Optics Express, 2012, 20, 18630.	1.7	23
61	Spatial-temporally resolved high-frequency surface acoustic waves on silicon investigated by femtosecond spectroscopy. Applied Physics Letters, 2012, 101, 013108.	1.5	27
62	Imaging of a patterned and buried molecular layer by coherent acoustic phonon spectroscopy. Applied Physics Letters, 2012, 101, .	1.5	14
63	Vibrational symmetry breaking of supported nanospheres. Physical Review B, 2012, 86, .	1.1	13
64	Study of high-frequency mechanical modes in a single microdisk resonator by ultrafast pump-probe spectroscopy. , 2012, , .		0
65	Dielectric Relaxation of HCl and NaCl Solutions Investigated by Terahertz Time-Domain Spectroscopy. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 1029-1038.	1.2	22
66	Mode-locked Yb:YAG thin-disk oscillator with 41 $\hat{\mu}$ J pulse energy at 145 W average infrared power and high power frequency conversion. Optics Express, 2012, 20, 9698.	1.7	118
67	Investigation of coherent acoustic phonons in terahertz quantum cascade laser structures using femtosecond pump-probe spectroscopy. Journal of Applied Physics, 2012, 112, 033517.	1.1	13
68	Characterization of InGaAs and InGaAsN semiconductor saturable absorber mirrors for high-power mode-locked thin-disk lasers. Applied Physics B: Lasers and Optics, 2012, 106, 605-612.	1.1	23
69	Photo-Dember terahertz emitter excited with an Er:fiber laser. Applied Physics Letters, 2011, 98, .	1.5	37
70	Comparative investigations on continuous wave operation of a-cut and b-cut Tm,Ho:YAIO_3 lasers at room temperature. Optics Express, 2011, 19, 6505.	1.7	21
71	Coherent terahertz control of antiferromagnetic spin waves. Nature Photonics, 2011, 5, 31-34.	15.6	788
72	High-Resolution Terahertz Spectrometer. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 159-168.	1.9	41

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73	Energies above 30 μJ and average power beyond 100 W directly from a mode-locked thin-disk oscillator. , 2011, , .		0
74	Subharmonic Resonant Optical Excitation of Confined Acoustic Modes in a Free-Standing Semiconductor Membrane at GHz Frequencies with a High-Repetition-Rate Femtosecond Laser. Physical Review Letters, 2011, 106, 077401.	2.9	65
75	Modification of vibrational damping times in thin gold films by self-assembled molecular layers. Applied Physics Letters, 2011, 98, 261908.	1.5	22
76	Energies above 30 μJ and average power beyond 100 W directly from a mode-locked thin-disk oscillator. , 2011, , .		6
77	Time-domain terahertz spectroscopy based on asynchronous optical sampling with femtosecond semiconductor disk laser. Electronics Letters, 2010, 46, 75.	0.5	14
78	Large-area laser-driven terahertz emitters. Electronics Letters, 2010, 46, S24.	0.5	5
79	Terahertz emission from lateral photo-Dember currents. Optics Express, 2010, 18, 4939.	1.7	123
80	High-speed asynchronous optical sampling with sub-50fs time resolution. Optics Express, 2010, 18, 5974.	1.7	106
81	Passively mode-locked Tm,Ho:YAG laser at 2 μm based on saturable absorption of intersubband transitions in quantum wells. Optics Express, 2010, 18, 6537.	1.7	36
82	Impulsive terahertz radiation with high electric fields from an amplifier-driven large-area photoconductive antenna. Optics Express, 2010, 18, 9251.	1.7	145
83	Numerical analysis of a sub-picosecond thin-disk laser oscillator with active multipass geometry showing a variation of pulse duration within one round trip. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 65.	0.9	18
84	High-speed ASOPS based THz time-domain spectrometer. , 2009, , .		1
85	Ultrafast Yb:YAG thin-disk oscillator with pulse energies exceeding 25 μJ suitable for efficient ablation with negligible heat affects. , 2009, , .		0
86	Large-area sub-micron gap interdigitated THz emitters fabricated by interference lithography and angle evaporation. Electronics Letters, 2009, 45, 851.	0.5	5
87	High-energy ultrafast thin-disk oscillators. Proceedings of SPIE, 2009, , .	0.8	2
88	Rapid-scanning terahertz precision spectrometer with more than 6 THz spectral coverage. Optics Express, 2009, 17, 22847.	1.7	85
89	Dielectric coatings for optimized low-loss saturable absorbers for high-power ultrafast laser. Chinese Optics Letters, 2009, 7, 819-822.	1.3	1
90	Rapid and precise read-out of terahertz sensor by high-speed asynchronous optical sampling. Electronics Letters, 2009, 45, 310.	0.5	17

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91	Confined longitudinal acoustic phonon modes in free-standing Si membranes coherently excited by femtosecond laser pulses. <i>Physical Review B</i> , 2009, 79, .	1.1	47
92	Femtosecond high-power thin-disc laser oscillators. , 2009, , .		0
93	Pulse energies exceeding 20 μJ directly from a subpicosecond Yb:YAG oscillator by use of active angular multiplexing. , 2009, , .		0
94	Pulse energies exceeding 20 μJ directly from a femtosecond Yb:YAG oscillator. <i>Springer Series in Chemical Physics</i> , 2009, , 729-731.	0.2	0
95	Influence of doping profiles on coherent acoustic phonon detection and generation in semiconductors. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	23
96	Passively mode-locked Yb:YAG thin-disk laser with pulse energies exceeding 13 μJ by use of an active multipass geometry. <i>Optics Letters</i> , 2008, 33, 726.	1.7	76
97	1-GHz repetition rate femtosecond OPO with stabilized offset between signal and idler frequency combs. <i>Optics Express</i> , 2008, 16, 5397.	1.7	21
98	Subpicosecond thin-disk laser oscillator with pulse energies of up to 259 microjoules by use of an active multipass geometry. <i>Optics Express</i> , 2008, 16, 20530.	1.7	118
99	Influence of tip-sample interaction in a time-domain terahertz scattering near field scanning microscope. <i>Applied Physics Letters</i> , 2008, 92, 251103.	1.5	8
100	Terahertz-Spektroskopie mit High-Speed ASOPS (THz Spectroscopy Based on High-Speed ASOPS). <i>TM Technisches Messen</i> , 2008, 75, 23-30.	0.3	5
101	Pulse energies exceeding 13 microjoules from a passively mode-locked Yb:YAG thin-disk oscillator by use of a self-imaging active multipass geometry. , 2008, , .		0
102	Coherent acoustic oscillations of nanoscale Au triangles and pyramids: influence of size and substrate. <i>New Journal of Physics</i> , 2007, 9, 376-376.	1.2	23
103	Coherent A_{1g} phonons in Te studied with tailored femtosecond pulses. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 406220.	0.7	14
104	Hydration dynamics of oriented DNA films investigated by time-domain terahertz spectroscopy. <i>Applied Physics Letters</i> , 2007, 90, 233902.	1.5	24
105	Effect of intense chirped pulses on the coherent phonon generation in Te. <i>Applied Physics Letters</i> , 2007, 90, 071901.	1.5	14
106	Ultrafast time-domain spectroscopy based on high-speed asynchronous optical sampling. <i>Review of Scientific Instruments</i> , 2007, 78, 035107.	0.6	381
107	A Surface Phase Transition of Supported Gold Nanoparticles. <i>Nano Letters</i> , 2007, 7, 1026-1031.	4.5	76
108	A high-resolution and high-speed terahertz spectrometer based on asynchronous optical sampling. , 2007, , .		0

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109	Coherent and ultrafast optoelectronics in III-V semiconductor compounds. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 2971-2987.	0.7	2
110	Effect of phase modulation of a laser pulse on the generation of a coherent totally symmetric phonon in a tellurium single crystal. <i>Physics of the Solid State</i> , 2007, 49, 2171-2176.	0.2	2
111	Optimum excitation conditions for the generation of high-electric-field terahertz radiation from an oscillator-driven photoconductive device. <i>Optics Letters</i> , 2006, 31, 1546.	1.7	62
112	High-resolution THz spectrometer with kHz scan rates. <i>Optics Express</i> , 2006, 14, 430.	1.7	85
113	Silicon-on-insulator microcavity light emitting diodes with two Si/SiO ₂ Bragg reflectors. <i>Journal of Luminescence</i> , 2006, 121, 290-292.	1.5	4
114	Carbon ion implantation into aluminium: Mechanical and tribological properties. <i>Surface and Coatings Technology</i> , 2006, 200, 5210-5219.	2.2	17
115	Femtosecond pump-probe spectroscopy of intersubband relaxation dynamics in narrow InGaAs/AlAsSb quantum well structures. <i>Applied Physics Letters</i> , 2006, 89, 171104.	1.5	25
116	Pump-probe spectroscopy of interminiband relaxation and electron cooling in doped superlattices. <i>Applied Physics Letters</i> , 2006, 88, 151108.	1.5	10
117	Femtosecond time-resolved optical pump-probe spectroscopy at kilohertz-scan-rates over nanosecond-time-delays without mechanical delay line. <i>Applied Physics Letters</i> , 2006, 88, 041117.	1.5	89
118	Intersubband transitions in GaP/AlP heterostructures. <i>Applied Physics Letters</i> , 2006, 89, 184102.	1.5	15
119	Electroluminescence properties of the Gd ³⁺ ultraviolet luminescent centers in SiO ₂ gate oxide layers. <i>Journal of Applied Physics</i> , 2006, 99, 103102.	1.1	35
120	Efficient silicon based light emitters. <i>Microelectronics Journal</i> , 2005, 36, 957-962.	1.1	4
121	Strain-compensated AlAs/(In,Ga)As heterostructures for short-wavelength intersubband absorption and laser emission. <i>Journal of Crystal Growth</i> , 2005, 278, 526-531.	0.7	1
122	Efficient silicon light emitting diodes by boron implantation: the mechanism. <i>Optical Materials</i> , 2005, 27, 1041-1045.	1.7	10
123	On the mechanism of electroluminescence excitation in Er-doped SiO ₂ containing silicon nanoclusters. <i>Optical Materials</i> , 2005, 27, 1050-1054.	1.7	36
124	Carbon ion implantation into pure aluminium at low fluences. <i>Surface and Coatings Technology</i> , 2005, 192, 317-322.	2.2	10
125	On the nature of "coherent artifact". <i>Journal of Experimental and Theoretical Physics</i> , 2005, 100, 272-282.	0.2	48
126	Observation of longitudinal optical "transverse optical splitting for E-symmetry phonons in Te by coherent phonon spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 3015-3023.	0.7	5

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127	Reduced subpicosecond electron relaxation in GaN _x As _{1-x} . Applied Physics Letters, 2005, 86, 161912.	1.5	5
128	Bright green electroluminescence from Tb ³⁺ in silicon metal-oxide-semiconductor devices. Journal of Applied Physics, 2005, 97, 123513.	1.1	104
129	Near-infrared intersubband transitions in InGaAs/AlAs/InAlAs double quantum wells. Journal of Applied Physics, 2005, 97, 113538.	1.1	5
130	High-intensity terahertz radiation from a microstructured large-area photoconductor. Applied Physics Letters, 2005, 86, 121114.	1.5	326
131	High-power short-wavelength quantum cascade lasers. , 2005, 5738, 13.		6
132	Below-band-gap electroluminescence related to doping spikes in boron-implanted siliconpn diodes. Physical Review B, 2004, 70, .	1.1	19
133	Efficient ultraviolet electroluminescence from a Gd-implanted silicon metal-oxide-semiconductor device. Applied Physics Letters, 2004, 85, 3387-3389.	1.5	54
134	Coherent phonons in NdBa ₂ Cu ₃ O _{7-x} single crystals: Optical-response anisotropy and hysteretic behavior. Journal of Experimental and Theoretical Physics, 2004, 98, 341-347.	0.2	1
135	Ultrafast carrier dynamics in nitrogen-implanted GaAs. IEE Proceedings: Optoelectronics, 2004, 151, 361-364.	0.8	5
136	Light-emitting silicon pn diodes. Applied Physics A: Materials Science and Processing, 2004, 78, 471-475.	1.1	9
137	Well-width dependence of coupled Bloch-phonon oscillations in biased InGaAs/InAlAs superlattices. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 2702-2705.	0.8	1
138	Umklapp process in observation of coherent folded longitudinal acoustic phonons in a GaAs/AlAs long-period superlattice. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 21, 646-650.	1.3	4
139	Increased terahertz emission from thermally treated GaSb. Applied Physics Letters, 2004, 85, 3092-3094.	1.5	21
140	Evidence for a structurally-driven insulator-to-metal transition inVO ₂ : A view from the ultrafast timescale. Physical Review B, 2004, 70, .	1.1	599
141	Above room temperature operation of short wavelength ($\lambda = 3.8 \mu\text{m}$) strain-compensated In _{0.73} Ga _{0.27} As/AlAs quantum-cascade lasers. Applied Physics Letters, 2004, 85, 1478-1480.	1.5	66
142	Dissipative continuum model for self-organized pattern formation during ion-beam erosion. Physical Review B, 2004, 69, .	1.1	141
143	Silicon-based electrically driven microcavity LED. Electronics Letters, 2004, 40, 904.	0.5	5
144	A time-resolved optical study of the paramagnetic dielectric-ferromagnetic metal transition in La _{0.7} Ca _{0.3} MnO ₃ . Journal of Experimental and Theoretical Physics, 2003, 97, 788-793.	0.2	3

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145	Infrared-Phonon-Polariton Resonance of the Nonlinear Susceptibility in GaAs. <i>Physical Review Letters</i> , 2003, 90, 055508.	2.9	63
146	Short-wavelength intersubband absorption in strain compensated InGaAs/AlAs quantum well structures grown on InP. <i>Applied Physics Letters</i> , 2003, 83, 210-212.	1.5	23
147	Temporal evolution of dot patterns during ion sputtering. <i>Physical Review B</i> , 2003, 68, .	1.1	75
148	Bound-exciton-induced current bistability in a silicon light-emitting diode. <i>Applied Physics Letters</i> , 2003, 82, 2823-2825.	1.5	5
149	Origin of anomalous temperature dependence and high efficiency of silicon light-emitting diodes. <i>Applied Physics Letters</i> , 2003, 83, 3885-3887.	1.5	31
150	Bloch-phonon coupling and tunneling-induced coherent phonon excitation in semiconductor superlattices. <i>Physical Review B</i> , 2003, 67, .	1.1	9
151	Two Crossovers in the Pseudogap Regime of YBa ₂ Cu ₃ O _{7-x} Superconductors Observed by Ultrafast Spectroscopy. <i>Physical Review Letters</i> , 2002, 89, 067002.	2.9	33
152	Ion-induced formation of regular nanostructures on amorphous GaSb surfaces. <i>Applied Physics Letters</i> , 2002, 80, 130-132.	1.5	86
153	Characteristic features of the pseudogap and superconducting states of YBa ₂ Cu ₃ O _{7-x} . <i>JETP Letters</i> , 2002, 75, 642-645.	0.4	2
154	Ordered quantum dot formation on GaSb surfaces during ion sputtering. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2001, 178, 101-104.	0.6	12
155	Characterization of polypropylene thin-film microstrip lines at millimeter and submillimeter wavelengths. <i>Microwave and Optical Technology Letters</i> , 2001, 29, 97-100.	0.9	10
156	Ordered Quantum Dot Formation by Ion Sputtering. <i>Physica Status Solidi (B): Basic Research</i> , 2001, 224, 537-540.	0.7	32
157	Mechanisms for the Generation of Coherent Longitudinal-Optical Phonons in GaAs/AlGaAs Multiple Quantum Wells. <i>Physical Review Letters</i> , 2001, 86, 1630-1633.	2.9	56
158	Phonon-Pair combination states driven by second-order Raman scattering in KTaO ₃ . <i>Springer Series in Chemical Physics</i> , 2001, , 419-421.	0.2	0
159	Sensitivity of SHG-measurements on oxide deposition process parameters. <i>Thin Solid Films</i> , 2000, 364, 95-97.	0.8	0
160	Coupled Bloch-phonon oscillations in GaAs/AlGaAs superlattices: theory and experiment. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2000, 7, 279-284.	1.3	3
161	Self-organized quantum dot formation by ion sputtering. <i>Microelectronic Engineering</i> , 2000, 53, 245-248.	1.1	21
162	Observation of coherent zone-folded acoustic phonons generated by Raman scattering in a superlattice. <i>Applied Physics Letters</i> , 2000, 77, 3209-3211.	1.5	18

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163	Coupled Bloch-Phonon Oscillations in Semiconductor Superlattices. <i>Physical Review Letters</i> , 2000, 85, 1080-1083.	2.9	50
164	Phase change in Ge ₂ Sb ₂ Te ₅ films investigated by coherent phonon spectroscopy. <i>Applied Physics Letters</i> , 2000, 77, 1964-1966.	1.5	71
165	Midbandgap electro-optic detection of Bloch oscillations. <i>Physical Review B</i> , 2000, 61, R10563-R10566.	1.1	9
166	Impulsive Excitation of Phonon-Pair Combination States by Second-Order Raman Scattering. <i>Physical Review Letters</i> , 2000, 84, 2981-2984.	2.9	42
167	Coherent phonons in condensed media. , 2000, , 169-209.		95
168	Coherent acoustic phonons in GaAs/AlAs superlattices. <i>Physica B: Condensed Matter</i> , 1999, 263-264, 45-47.	1.3	2
169	Chirped Bloch oscillations in strain-balanced InGaAs/InGaAs superlattices. <i>Superlattices and Microstructures</i> , 1999, 26, 83-92.	1.4	2
170	Formation of Ordered Nanoscale Semiconductor Dots by Ion Sputtering. <i>Science</i> , 1999, 285, 1551-1553.	6.0	742
171	Coherent Zone-Folded Longitudinal Acoustic Phonons in Semiconductor Superlattices: Excitation and Detection. <i>Physical Review Letters</i> , 1999, 82, 1044-1047.	2.9	197
172	Femtosecond Ti:sapphire ring laser with a 2-GHz repetition rate and its application in time-resolved spectroscopy. <i>Optics Letters</i> , 1999, 24, 996.	1.7	131
173	Coupling of exciton states in superlattice and bulk GaAs optoelectronic modulators, studied by density matrix models and optical modulation spectroscopy. <i>Superlattices and Microstructures</i> , 1998, 23, 191-194.	1.4	1
174	Coherent Dynamics of Continuum and Excitonic States in Quantum Confined Systems. <i>Physica Status Solidi (B): Basic Research</i> , 1998, 206, 443-453.	0.7	1
175	Nonlinear optics in semiconductors and multiple quantum wells. <i>Journal of Optics</i> , 1998, 7, 313-318.	0.5	0
176	Coherent control of acoustic phonons in semiconductor superlattices. <i>Applied Physics Letters</i> , 1998, 72, 2844-2846.	1.5	83
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