

Thomas Dekorsy

List of Publications by Year in descending order

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207
papers

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docs citations

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times ranked

7566
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherent terahertz control of antiferromagnetic spin waves. <i>Nature Photonics</i> , 2011, 5, 31-34.	15.6	788
2	Formation of Ordered Nanoscale Semiconductor Dots by Ion Sputtering. <i>Science</i> , 1999, 285, 1551-1553.	6.0	742
3	Evidence for a structurally-driven insulator-to-metal transition inVO2: A view from the ultrafast timescale. <i>Physical Review B</i> , 2004, 70, .	1.1	599
4	Ultrafast time-domain spectroscopy based on high-speed asynchronous optical sampling. <i>Review of Scientific Instruments</i> , 2007, 78, 035107.	0.6	381
5	High-intensity terahertz radiation from a microstructured large-area photoconductor. <i>Applied Physics Letters</i> , 2005, 86, 121114.	1.5	326
6	Coherent Zone-Folded Longitudinal Acoustic Phonons in Semiconductor Superlattices: Excitation and Detection. <i>Physical Review Letters</i> , 1999, 82, 1044-1047.	2.9	197
7	Subpicosecond carrier transport in GaAs surface-space-charge fields. <i>Physical Review B</i> , 1993, 47, 3842-3849.	1.1	188
8	Emission of Submillimeter Electromagnetic Waves by Coherent Phonons. <i>Physical Review Letters</i> , 1995, 74, 738-741.	2.9	180
9	THz electromagnetic emission by coherent infrared-active phonons. <i>Physical Review B</i> , 1996, 53, 4005-4014.	1.1	180
10	Nanophononics: state of the art and perspectives. <i>European Physical Journal B</i> , 2016, 89, 1.	0.6	149
11	Impulsive terahertz radiation with high electric fields from an amplifier-driven large-area photoconductive antenna. <i>Optics Express</i> , 2010, 18, 9251.	1.7	145
12	Dissipative continuum model for self-organized pattern formation during ion-beam erosion. <i>Physical Review B</i> , 2004, 69, .	1.1	141
13	Electro-optic detection of Bloch oscillations. <i>Physical Review B</i> , 1994, 50, 8106-8109.	1.1	139
14	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
15	Impulsive Softening of Coherent Phonons in Tellurium. <i>Physical Review Letters</i> , 1995, 75, 1815-1818.	2.9	128
16	Terahertz emission from lateral photo-Dember currents. <i>Optics Express</i> , 2010, 18, 4939.	1.7	123
17	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
18	Mode-locked Yb:YAG thin-disk oscillator with 41 μ J pulse energy at 145 W average infrared power and high power frequency conversion. <i>Optics Express</i> , 2012, 20, 9698.	1.7	118

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19	Generation and Relaxation of Coherent Majority Plasmons. <i>Physical Review Letters</i> , 1996, 77, 4062-4065.	2.9	113
20	Bloch oscillations at room temperature. <i>Physical Review B</i> , 1995, 51, 17275-17278.	1.1	107
21	High-speed asynchronous optical sampling with sub-50fs time resolution. <i>Optics Express</i> , 2010, 18, 5974.	1.7	106
22	Bright green electroluminescence from Tb ³⁺ in silicon metal-oxide-semiconductor devices. <i>Journal of Applied Physics</i> , 2005, 97, 123513.	1.1	104
23	Lifetimes of Confined Acoustic Phonons in Ultrathin Silicon Membranes. <i>Physical Review Letters</i> , 2013, 110, 095503.	2.9	96
24	Coherent phonons in condensed media. , 2000, , 169-209.		95
25	Generation mechanism for coherent LO phonons in surface-space-charge fields of III-V-compounds. <i>Applied Physics A: Solids and Surfaces</i> , 1992, 55, 482-488.	1.4	93
26	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
27	Ion-induced formation of regular nanostructures on amorphous GaSb surfaces. <i>Applied Physics Letters</i> , 2002, 80, 130-132.	1.5	86
28	High-resolution THz spectrometer with kHz scan rates. <i>Optics Express</i> , 2006, 14, 430.	1.7	85
29	Rapid-scanning terahertz precision spectrometer with more than 6 THz spectral coverage. <i>Optics Express</i> , 2009, 17, 22847.	1.7	85
30	Coherent control of acoustic phonons in semiconductor superlattices. <i>Applied Physics Letters</i> , 1998, 72, 2844-2846.	1.5	83
31	A Surface Phase Transition of Supported Gold Nanoparticles. <i>Nano Letters</i> , 2007, 7, 1026-1031.	4.5	76
32	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
33	Temporal evolution of dot patterns during ion sputtering. <i>Physical Review B</i> , 2003, 68, .	1.1	75
34	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
35	Coherent Control of LO-Phonon Dynamics in Opaque Semiconductors by Femtosecond Laser Pulses. <i>Europhysics Letters</i> , 1993, 23, 223-228.	0.7	69
36	Above room temperature operation of short wavelength ($\lambda = 3.8 \mu\text{m}$) strain-compensated In _{0.73} Ga _{0.27} As quantum-cascade lasers. <i>Applied Physics Letters</i> , 2004, 85, 1478-1480.	1.5	66

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37	Subharmonic Resonant Optical Excitation of Confined Acoustic Modes in a Free-Standing Semiconductor Membrane at GHz Frequencies with a High-Repetition-Rate Femtosecond Laser. <i>Physical Review Letters</i> , 2011, 106, 077401.	2.9	65
38	Ultrafast dynamics of carrier-induced absorption changes in highly-excited CdSe nanocrystals. <i>Applied Physics B: Lasers and Optics</i> , 1996, 62, 3-10.	1.1	64
39	Infrared-Phononâ€Polariton Resonance of the Nonlinear Susceptibility in GaAs. <i>Physical Review Letters</i> , 2003, 90, 055508.	2.9	63
40	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
41	Coherent signature of differential transmission signals in semiconductors: Theory and experiment. <i>Physical Review B</i> , 1997, 55, 16404-16413.	1.1	60
42	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
43	Efficient ultraviolet electroluminescence from a Gd-implanted silicon metalâ€oxideâ€semiconductor device. <i>Applied Physics Letters</i> , 2004, 85, 3387-3389.	1.5	54
44	Coupled Bloch-Phonon Oscillations in Semiconductor Superlattices. <i>Physical Review Letters</i> , 2000, 85, 1080-1083.	2.9	50
45	On the nature of â€coherent artifactâ€. <i>Journal of Experimental and Theoretical Physics</i> , 2005, 100, 272-282.	0.2	48
46	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
47	Impulsive Excitation of Phonon-Pair Combination States by Second-Order Raman Scattering. <i>Physical Review Letters</i> , 2000, 84, 2981-2984.	2.9	42
48	Catalytically Doped Semiconductors for Chemical Gas Sensing: Aerogelâ€Like Aluminumâ€Containing Zinc Oxide Materials Prepared in the Gas Phase. <i>Advanced Functional Materials</i> , 2016, 26, 3424-3437.	7.8	42
49	High-Resolution Terahertz Spectrometer. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2011, 17, 159-168.	1.9	41
50	Energy resolved ultrafast relaxation dynamics close to the band edge of low-temperature grown GaAs. <i>Applied Physics Letters</i> , 1997, 71, 2779-2781.	1.5	38
51	Photo-Dember terahertz emitter excited with an Er: fiber laser. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	37
52	Mode-locking of 2 Î¼m Tm,Ho:YAG laser with GaInAs and GaSb-based SESAMs. <i>Optics Express</i> , 2013, 21, 4311.	1.7	37
53	Topological guiding of elastic waves in phononic metamaterials based on 2D pentamode structures. <i>Scientific Reports</i> , 2017, 7, 18043.	1.6	37
54	On the mechanism of electroluminescence excitation in Er-doped SiO2 containing silicon nanoclusters. <i>Optical Materials</i> , 2005, 27, 1050-1054.	1.7	36

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55	Passively mode-locked Tm,Ho:YAG laser at 2 μm based on saturable absorption of intersubband transitions in quantum wells. <i>Optics Express</i> , 2010, 18, 6537.	1.7	36
56	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
57	Observation of coherent acoustic phonons in Fibonacci superlattices. <i>Physical Review B</i> , 1997, 55, 9336-9339.	1.1	33
58	Two Crossovers in the Pseudogap Regime of YBa ₂ Cu ₃ O ₇ δ Superconductors Observed by Ultrafast Spectroscopy. <i>Physical Review Letters</i> , 2002, 89, 067002.	2.9	33
59	121 W passively mode-locked Tm:LuAG laser. <i>Optics Express</i> , 2015, 23, 11819.	1.7	33
60	Ordered Quantum Dot Formation by Ion Sputtering. <i>Physica Status Solidi (B): Basic Research</i> , 2001, 224, 537-540.	0.7	32
61	Thin-disk laser system operating above 10 W at near fundamental mode beam quality. <i>Optics Letters</i> , 2021, 46, 965.	1.7	32
62	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
63	Characterization of thin-film adhesion and phonon lifetimes in Al/Si membranes by picosecond ultrasonics. <i>New Journal of Physics</i> , 2017, 19, 053019.	1.2	31
64	Dynamics of electric field screening in a bulk GaAs modulator. <i>Physical Review B</i> , 1993, 47, 16000-16003.	1.1	30
65	Ultrafast time-domain spectroscopy system using 10 GHz asynchronous optical sampling with 100 kHz scan rate. <i>Optics Express</i> , 2016, 24, 29930.	1.7	28
66	Spatial-temporally resolved high-frequency surface acoustic waves on silicon investigated by femtosecond spectroscopy. <i>Applied Physics Letters</i> , 2012, 101, 013108.	1.5	27
67	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
68	Finite element analysis of surface modes in phononic crystal waveguides. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	25
69	Time-resolved observation of coherent phonons by the Franz-Keldysh effect. <i>Physical Review B</i> , 1996, 53, 6904-6907.	1.1	24
70	Hydration dynamics of oriented DNA films investigated by time-domain terahertz spectroscopy. <i>Applied Physics Letters</i> , 2007, 90, 233902.	1.5	24
71	Exceptionally slow dephasing of electronic continuum states in a semiconductor. <i>Physical Review B</i> , 1995, 51, 18015-18018.	1.1	23
72	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

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73	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
74	Influence of doping profiles on coherent acoustic phonon detection and generation in semiconductors. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	23
75	Efficient continuous wave and passively mode-locked Tm-doped crystalline silicate laser. <i>Optics Express</i> , 2012, 20, 18630.	1.7	23
76	Characterization of InGaAs and InGaAsN semiconductor saturable absorber mirrors for high-power mode-locked thin-disk lasers. <i>Applied Physics B: Lasers and Optics</i> , 2012, 106, 605-612.	1.1	23
77	Modification of vibrational damping times in thin gold films by self-assembled molecular layers. <i>Applied Physics Letters</i> , 2011, 98, 261908.	1.5	22
78	Dielectric Relaxation of HCl and NaCl Solutions Investigated by Terahertz Time-Domain Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2012, 33, 1029-1038.	1.2	22
79	Polarization dependence of coherent phonon generation and detection in the three-dimensional topological insulator Bi ₂ Te ₃ . <i>Physical Review B</i> , 2015, 91, .	1.1	22
80	Viscoelastic properties and efficient acoustic damping in confined polymer nano-layers at GHz frequencies. <i>Scientific Reports</i> , 2016, 6, 33471.	1.6	22
81	Quantum Coherence of Continuum States in the Valence Band of GaAs Quantum Wells. <i>Physical Review Letters</i> , 1996, 77, 3045-3048.	2.9	21
82	Self-organized quantum dot formation by ion sputtering. <i>Microelectronic Engineering</i> , 2000, 53, 245-248.	1.1	21
83	Increased terahertz emission from thermally treated GaSb. <i>Applied Physics Letters</i> , 2004, 85, 3092-3094.	1.5	21
84	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
85	Comparative investigations on continuous wave operation of a-cut and b-cut Tm,Ho:YAIO ₃ lasers at room temperature. <i>Optics Express</i> , 2011, 19, 6505.	1.7	21
86	Femtosecond spectroscopy of acoustic frequency combs in the 100-GHz frequency range in Al/Si membranes. <i>Physical Review B</i> , 2013, 88, .	1.1	21
87	Coherent lattice dynamics of the topological insulator Bi ₂ Te ₃ probed by ultrafast spectroscopy. <i>Applied Physics Letters</i> , 2014, 105, 011902.	1.5	21
88	Nanoarchitecture Effects on Persistent Room Temperature Photoconductivity and Thermal Conductivity in Ceramic Semiconductors: Mesoporous, Yolk-Shell, and Hollow ZnO Spheres. <i>Crystal Growth and Design</i> , 2014, 14, 4593-4601.	1.4	21
89	Bloch oscillations in In-Ga-As-P/In-Ga-As-P heterostructures observed with time-resolved transmission spectroscopy. <i>Physical Review B</i> , 1996, 54, 4420-4423.	1.1	19
90	Optical second-harmonic probe for ultra-high frequency on-chip interconnects with benzocyclobutene. <i>Applied Physics Letters</i> , 1998, 72, 1018-1020.	1.5	19

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91	Below-band-gap electroluminescence related to doping spikes in boron-implanted siliconpnodiodes. Physical Review B, 2004, 70, .	1.1	19
92	Investigation of field, carrier, and coherent phonon dynamics in low-temperature grown GaAs. Applied Physics Letters, 1993, 63, 2899-2901.	1.5	18
93	Observation of coherent zone-folded acoustic phonons generated by Raman scattering in a superlattice. Applied Physics Letters, 2000, 77, 3209-3211.	1.5	18
94	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
95	Carbon ion implantation into aluminium: Mechanical and tribological properties. Surface and Coatings Technology, 2006, 200, 5210-5219.	2.2	17
96	Rapid and precise read-out of terahertz sensor by high-speed asynchronous optical sampling. Electronics Letters, 2009, 45, 310.	0.5	17
97	Mode-locked Tm,Ho:YAP laser around 21 μ m. Optics Express, 2013, 21, 1574.	1.7	17
98	Acoustic beam splitting at low GHz frequencies in a defect-free phononic crystal. Applied Physics Letters, 2017, 110, .	1.5	17
99	Thin-film filter wavelength-stabilized, grating combined, high-brightness kW-class direct diode laser. Optics Express, 2017, 25, 17657.	1.7	17
100	Intersubband transitions in GaP- AlP heterostructures. Applied Physics Letters, 2006, 89, 184102.	1.5	15
101	Beam Quality Deterioration in Dense Wavelength Beam-Combined Broad-Area Diode Lasers. IEEE Journal of Quantum Electronics, 2017, 53, 1-11.	1.0	15
102	Terahertz Bloch oscillations in semiconductor superlattices. Semiconductor Science and Technology, 1994, 9, 1959-1964.	1.0	14
103	Coherent A_{1g} phonons in Te studied with tailored femtosecond pulses. Journal of Physics Condensed Matter, 2007, 19, 406220.	0.7	14
104	Effect of intense chirped pulses on the coherent phonon generation in Te. Applied Physics Letters, 2007, 90, 071901.	1.5	14
105	Time-domain terahertz spectroscopy based on asynchronous optical sampling with femtosecond semiconductor disk laser. Electronics Letters, 2010, 46, 75.	0.5	14
106	Imaging of a patterned and buried molecular layer by coherent acoustic phonon spectroscopy. Applied Physics Letters, 2012, 101, .	1.5	14
107	Generation and detection of gigahertz acoustic oscillations in thin membranes. Ultrasonics, 2015, 56, 109-115.	2.1	14
108	Vibrational symmetry breaking of supported nanospheres. Physical Review B, 2012, 86, .	1.1	13

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109	Investigation of coherent acoustic phonons in terahertz quantum cascade laser structures using femtosecond pump-probe spectroscopy. <i>Journal of Applied Physics</i> , 2012, 112, 033517.	1.1	13
110	Dynamics of coherent acoustic phonons in thin films of CoSb_3 and partially filled Yb_x . <i>Physical Review Letters</i> , 2015, 115, 076402.	1.1	13
111	Collective Modes and Structural Modulation in Ni-Mn-Ga(Co) Martensite Thin Films Probed by Femtosecond Spectroscopy and Scanning Tunneling Microscopy. <i>Physical Review Letters</i> , 2015, 115, 076402.	2.9	13
112	Time-resolved study of intervalence band thermalization in a GaAs quantum well. <i>Applied Physics Letters</i> , 1996, 68, 2956-2958.	1.5	12
113	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
114	Acoustic waves undetectable by transient reflectivity measurements. <i>Physical Review B</i> , 2017, 95, .	1.1	12
115	Study of confined coherent acoustic phonon modes in a free-standing cubic GaN membrane by femtosecond spectroscopy. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	11
116	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
117	Efficient silicon light emitting diodes by boron implantation: the mechanism. <i>Optical Materials</i> , 2005, 27, 1041-1045.	1.7	10
118	Carbon ion implantation into pure aluminium at low fluences. <i>Surface and Coatings Technology</i> , 2005, 192, 317-322.	2.2	10
119	Pump-probe spectroscopy of interminiband relaxation and electron cooling in doped superlattices. <i>Applied Physics Letters</i> , 2006, 88, 151108.	1.5	10
120	Consistent characterization of semiconductor saturable absorber mirrors with single-pulse and pump-probe spectroscopy. <i>Optics Express</i> , 2013, 21, 6764.	1.7	10
121	Time-resolved detection of propagating Lamb waves in thin silicon membranes with frequencies up to 197 GHz. <i>Applied Physics Letters</i> , 2015, 106, 171904.	1.5	10
122	Design concepts in absorbance optical systems for analytical ultracentrifugation. <i>Analyst</i> , 2018, 143, 4040-4050.	1.7	10
123	Midbandgap electro-optic detection of Bloch oscillations. <i>Physical Review B</i> , 2000, 61, R10563-R10566.	1.1	9
124	Bloch-phonon coupling and tunneling-induced coherent phonon excitation in semiconductor superlattices. <i>Physical Review B</i> , 2003, 67, .	1.1	9
125	Light-emitting silicon pn diodes. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 471-475.	1.1	9
126	Guiding of elastic waves in a two-dimensional graded phononic crystal plate. <i>New Journal of Physics</i> , 2017, 19, 013029.	1.2	9

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127	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
128	Unambiguous real-time terahertz frequency metrology using dual 10 ¹⁰ GHz femtosecond frequency combs. Optica, 2018, 5, 1431.	4.8	9
129	Influence of tip-sample interaction in a time-domain terahertz scattering near field scanning microscope. Applied Physics Letters, 2008, 92, 251103.	1.5	8
130	Low-temperature THz time domain waveguide spectrometer with butt-coupled emitter and detector crystal. Optics Express, 2012, 20, 19769.	1.7	8
131	Ultrafast spectroscopy of super high frequency mechanical modes of doubly clamped beams. Applied Physics Letters, 2013, 103, .	1.5	8
132	Optical properties and birefringence in LiInS ₂ in the terahertz frequency range. Optical Materials Express, 2014, 4, 575.	1.6	8
133	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
134	Optical properties of LiInSe ₂ in the THz frequency regime. Optical Materials Express, 2014, 4, 1336.	1.6	7
135	Fiber-coupled high-speed asynchronous optical sampling with sub-50 fs time resolution. Optics Express, 2015, 23, 2145.	1.7	7
136	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
137	Time-resolved study of coherent and incoherent transport in an InGaAsP/InGaAsP superlattice electro-optic modulator. Journal of Applied Physics, 1997, 82, 4400-4407.	1.1	6
138	The resonant interband contribution to the TEOS signal. Solid State Communications, 1997, 101, 167-171.	0.9	6
139	High-power short-wavelength quantum cascade lasers. , 2005, 5738, 13.		6
140	Selective excitation of zone-folded phonon modes within one triplet in a semiconductor superlattice. Physical Review B, 2013, 87, .	1.1	6
141	Energies above 30 $\hat{\mu}$ J and average power beyond 100 W directly from a mode-locked thin-disk oscillator. , 2011, , .		6
142	Monolithic thin-disk laser and amplifier concept. Optica, 2020, 7, 1409.	4.8	6
143	Internal field dynamics of coherent bloch oscillations in superlattices. Superlattices and Microstructures, 1994, 15, 11.	1.4	5
144	External-field-induced electric dipole moment of biexcitons in a semiconductor. Physical Review B, 1995, 52, R16993-R16996.	1.1	5

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145	Bound-exciton-induced current bistability in a silicon light-emitting diode. Applied Physics Letters, 2003, 82, 2823-2825.	1.5	5
146	Ultrafast carrier dynamics in nitrogen-implanted GaAs. IEE Proceedings: Optoelectronics, 2004, 151, 361-364.	0.8	5
147	Observation of longitudinal opticalâ€“transverse optical splitting for E-symmetry phonons in Te by coherent phonon spectroscopy. Journal of Physics Condensed Matter, 2005, 17, 3015-3023.	0.7	5
148	Reduced subpicosecond electron relaxation in GaN _x As _{1-x} . Applied Physics Letters, 2005, 86, 161912.	1.5	5
149	Near-infrared intersubband transitions in InGaAsâ€“AlAsâ€“InAlAs double quantum wells. Journal of Applied Physics, 2005, 97, 113538.	1.1	5
150	Terahertz-Spektroskopie mit High-Speed ASOPS (THz Spectroscopy Based on High-Speed ASOPS). TM Technisches Messen, 2008, 75, 23-30.	0.3	5
151	Large-area sub-micron gap interdigitated THz emitters fabricated by interference lithography and angle evaporation. Electronics Letters, 2009, 45, 851.	0.5	5
152	Large-area laser-driven terahertz emitters. Electronics Letters, 2010, 46, S24.	0.5	5
153	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
154	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
155	Silicon-based electrically driven microcavity LED. Electronics Letters, 2004, 40, 904.	0.5	5
156	Time-resolved optical investigations of bloch oscillations in semiconductor superlattices. Solid-State Electronics, 1996, 40, 551-554.	0.8	4
157	THz-wave emission by coherent optical phonons. Physica B: Condensed Matter, 1996, 219-220, 775-777.	1.3	4
158	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
159	Efficient silicon based light emitters. Microelectronics Journal, 2005, 36, 957-962.	1.1	4
160	Silicon-on-insulator microcavity light emitting diodes with two Si/SiO ₂ Bragg reflectors. Journal of Luminescence, 2006, 121, 290-292.	1.5	4
161	Temperature dependence of free carriers and optical phonons in LiInSe_2 in the terahertz frequency regime. Physical Review B, 2015, 92, .		
162	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

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163	Subpicosecond electric field dynamics in low-temperature-grown GaAs observed by reflective electro-optic sampling. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1993, 22, 68-71.	1.7	3
164	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
165	A time-resolved optical study of the paramagnetic dielectric-ferromagnetic metal transition in La _{0.7} Ca _{0.3} MnO ₃ . <i>Journal of Experimental and Theoretical Physics</i> , 2003, 97, 788-793.	0.2	3
166	Thin-disk multipass amplifier for kilowatt-class ultrafast lasers above 100 mJ. , , .		3
167	Passively Q-switched 914-nm microchip laser for lidar systems. <i>Optics Express</i> , 2021, 29, 23799.	1.7	3
168	Origin of potential errors in the quantitative determination of terahertz optical properties in time-domain terahertz spectroscopy. <i>Chinese Optics Letters</i> , 2015, 13, 093001-93005.	1.3	3
169	Coherent acoustic phonons in GaAs/AlAs superlattices. <i>Physica B: Condensed Matter</i> , 1999, 263-264, 45-47.	1.3	2
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