

Petr Kuzel

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Charge Transport in Single-Crystalline GaAs Nanobars: Impact of Band Bending Revealed by Terahertz Spectroscopy. <i>Advanced Functional Materials</i> , 2022, 32, 2107403.	7.8	3
2	Predicting Solar Cell Performance from Terahertz and Microwave Spectroscopy. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	40
3	Unusual dynamics of the ferroelectric phase transition in KxO_3 crystals. <i>Physical Review B</i> , 2022, 105, .		
4	Ultrafast Plasmon Thermalization in Epitaxial Graphene Probed by Time-Resolved THz Spectroscopy. <i>Advanced Functional Materials</i> , 2021, 31, 2105763.	7.8	8
5	Improving security in terahertz wireless links using beam symmetry of vortex and Gaussian beams. <i>Optics Express</i> , 2021, 29, 30461.	1.7	8
6	Terahertz Spectroscopy of Nanomaterials: a Close Look at Charge-Carrier Transport. <i>Advanced Optical Materials</i> , 2020, 8, 1900623.	3.6	53
7	Quantum theory of terahertz conductivity of semiconductor nanostructures. <i>Physical Review B</i> , 2018, 97, .	1.1	19
8	Departure from BCS response in photoexcited superconducting NbN films observed by terahertz spectroscopy. <i>Physical Review B</i> , 2018, 97, .	1.1	3
9	Electric-field tuning of a planar terahertz metamaterial based on strained SrTiO ₃ layers. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 054001.	1.3	7
10	Band structure of CuMnAs probed by optical and photoemission spectroscopy. <i>Physical Review B</i> , 2018, 97, .	1.1	22
11	Terahertz electrical writing speed in an antiferromagnetic memory. <i>Science Advances</i> , 2018, 4, eaar3566.	4.7	221
12	Dielectric properties of vertically aligned multi-walled carbon nanotubes in the terahertz and mid-infrared range. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 034004.	1.3	11
13	Photoconductive, dielectric and percolation properties of anodic TiO ₂ nanotubes studied by terahertz spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 014004.	1.3	3
14	Performance Comparison of Time-Domain Terahertz, Multi-terahertz, and Fourier Transform Infrared Spectroscopies. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018, 39, 1249-1263.	1.2	10
15	Experimental Gouy phase shift compensation in Terahertz time-domain spectroscopy. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2018, 31, 129-133.	1.0	8
16	Quantum behavior of terahertz photoconductivity in silicon nanocrystals networks. <i>Physical Review B</i> , 2017, 95, .	1.1	7
17	Bulk magnetic terahertz metamaterial based on TiO ₂ microresonators (Conference Presentation). , 2017, , .		0
18	Tunable dielectric properties of KTaO ₃ single crystals in the terahertz range. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 065306.	1.3	16

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19	Splitting of magnetic dipole modes in anisotropic TiO ₂ microspheres. Laser and Photonics Reviews, 2016, 10, 681-687.	4.4	15
20	Terahertz dielectric properties of KTaO ₃ crystal: Electric-field tunability, comparison with SrTiO ₃ . , 2016, , .		0
21	Anisotropy in dielectric THz meta-atoms. , 2016, , .		0
22	Contactless probing of thin film Si solar cells by time-resolving THz spectroscopy. , 2016, , .		1
23	Thin Film Polycrystalline Silicon Solar Cells Studied by Transient Terahertz Probe Spectroscopy. Energy Procedia, 2016, 102, 19-26.	1.8	0
24	Near-field THz time-domain spectroscopy of anisotropic dielectric micro-particles. , 2016, , .		1
25	Bulk magnetic terahertz metamaterials based on dielectric microspheres. , 2016, , .		0
26	Bulk magnetic terahertz metamaterials based on dielectric microspheres. Optics Express, 2016, 24, 18340.	1.7	5
27	Self-referenced ultra-broadband transient terahertz spectroscopy using air-photonics. Optics Express, 2016, 24, 10157.	1.7	8
28	Near-field characterisation of anisotropic all-dielectric terahertz resonators. , 2016, , .		0
29	Picosecond charge transport in rutile at high carrier densities studied by transient terahertz spectroscopy. Physical Review B, 2016, 94, .	1.1	4
30	Long-range and high-speed electronic spin-transport at a GaAs/AlGaAs semiconductor interface. Scientific Reports, 2016, 6, 22901.	1.6	13
31	Intrinsic Properties of Anisotropic Dielectric Micro-Resonators Obtained through Near-Field Terahertz Spectroscopy. , 2016, , .		0
32	Ultrafast Carrier Transport in Silicon Nanocrystal Superlattices. , 2015, , .		0
33	Charge transport in silicon nanocrystal superlattices in the terahertz regime. Physical Review B, 2015, 91, .	1.1	11
34	Thin film polycrystalline Si solar cells studied in transient regime by optical pump-terahertz probe spectroscopy. Applied Physics Letters, 2015, 107, 233901.	1.5	5
35	THz response of TiO ₂ microspheres embedded in a dielectric layer. , 2015, , .		0
36	Charge transport in Sb-doped SnO ₂ nanoparticles studied by THz spectroscopy. , 2015, , .		1

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37	Water-Dispersible Small Monodisperse Electrically Conducting Antimony Doped Tin Oxide Nanoparticles. Chemistry of Materials, 2015, 27, 1090-1099.	3.2	59
38	Conductivity Mechanisms in Sb-Doped SnO ₂ Nanoparticle Assemblies: DC and Terahertz Regime. Journal of Physical Chemistry C, 2015, 119, 19485-19495.	1.5	19
39	Magnetic dipole and electric dipole resonances in TiO ₂ microspheres at terahertz frequencies. , 2015, , .		0
40	Terahertz near-field spectroscopy through a sub-wavelength size aperture. , 2015, , .		0
41	Electric-field tunable THz metamaterials based on strained SrTiO ₃ films. , 2014, , .		0
42	Terahertz conductivity in nanoscaled systems: effective medium theory aspects. Journal Physics D: Applied Physics, 2014, 47, 374005.	1.3	48
43	Far-infrared electrodynamics of thin superconducting NbN film in magnetic fields. Superconductor Science and Technology, 2014, 27, 055009.	1.8	14
44	Anisotropic dielectric response of lead zirconate crystals in the terahertz and infrared range at low temperature. Phase Transitions, 2014, 87, 1129-1137.	0.6	3
45	Near-field probing of the THz Mie magnetic mode in a single sub-wavelength TiO ₂ sphere. , 2014, , .		0
46	THz photoconductivity in light-emitting surface-oxidized Si nanocrystals: the role of large particles. New Journal of Physics, 2014, 16, 093013.	1.2	19
47	Zenneck THz Surface Waves-assisted Imaging of Subwavelength Dielectric Particles. , 2014, , .		0
48	Near-field probing of Mie resonances in single TiO ₂ microspheres at terahertz frequencies. Optics Express, 2014, 22, 23034.	1.7	33
49	Transition between metamaterial and photonic-crystal behavior in arrays of dielectric rods. Optics Express, 2014, 22, 30492.	1.7	15
50	Multiple Soft-Mode Vibrations of Lead Zirconate. Physical Review Letters, 2014, 112, 197601.	2.9	110
51	Systematic study of terahertz response of SrTiO ₃ -based heterostructures: Influence of strain, temperature, and electric field. Physical Review B, 2014, 89, .	1.1	22
52	Effects of Depolarization Fields on Transient Terahertz Spectra of Nanostructured Materials. , 2014, , .		0
53	Terahertz imaging of sub-wavelength particles with Zenneck surface waves. Applied Physics Letters, 2013, 103, .	1.5	17
54	Surface plasmon waves for broadband THz spectroscopy. Proceedings of SPIE, 2013, , .	0.8	0

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55	Effect of stoichiometry on the dielectric properties and soft mode behavior of strained epitaxial SrTiO ₃ thin films on DyScO ₃ substrates. Applied Physics Letters, 2013, 102, .	1.5	39
56	Electric-field-tunable defect mode in one-dimensional photonic crystal operating in the terahertz range. Applied Physics Letters, 2013, 102, .	1.5	31
57	Charge Transport in TiO_2 Films With Complex Percolation Pathways Investigated by Time-Resolved Terahertz Spectroscopy. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 302-313.	2.0	33
58	Emergence of central mode in the paraelectric phase of ferroelectric perovskites. MRS Communications, 2013, 3, 41-45.	0.8	20
59	Terahertz sensing of supercooled glycerol using a 1D photonic crystal. , 2013, , .		0
60	THz photoconductivity in Si nanocrystals: Issues of (non)percolation. , 2013, , .		0
61	Transient terahertz conductivity spectra of semiconductor nanostructures with complex percolation pathways. , 2013, , .		0
62	Resonant terahertz response of TiO ₂ microspheres. Proceedings of SPIE, 2013, , .	0.8	0
63	Ultrafast carrier response of Br ⁺ -irradiated In _{0.53} Ga _{0.47} As excited at telecommunication wavelengths. Journal of Applied Physics, 2012, 111, 093721.	1.1	5
64	Simulations of charge transport in semiconductor nanostructures for interpretation of THz conductivity spectra. , 2012, , .		0
65	TiO ₂ microsphere-based metamaterials exhibiting effective magnetic response in the terahertz regime. Applied Physics A: Materials Science and Processing, 2012, 109, 891-894.	1.1	8
66	Electron localization in CdS nanocrystals studied by time-resolved terahertz spectroscopy. , 2012, , .		0
67	TiO ₂ microspheres metamaterials with negative permeability in the terahertz bandwidth. , 2012, , .		0
68	Lattice dynamics and broad-band dielectric properties of the KTaO ₃ ceramics. Journal of Applied Physics, 2012, 111, .	1.1	19
69	Resonant magnetic response of TiO ₂ microspheres at terahertz frequencies. Applied Physics Letters, 2012, 100, 061117.	1.5	48
70	Contrast in terahertz conductivity of phase-change materials. Solid State Communications, 2012, 152, 852-855.	0.9	35
71	Metamaterials. Springer Series in Optical Sciences, 2012, , 569-610.	0.5	0
72	Charge carrier mobility in poly[methyl(phenyl)silylene] studied by time-resolved terahertz spectroscopy and molecular modelling. Physical Chemistry Chemical Physics, 2011, 13, 2850-2856.	1.3	13

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73	Ferroelectric phase transition in polycrystalline KTaO ₃ thin film revealed by terahertz spectroscopy. Applied Physics Letters, 2011, 99, .	1.5	26
74	Tuning the Conduction Mechanism in Niobium-Doped Titania Nanoparticle Networks. Journal of Physical Chemistry C, 2011, 115, 6968-6974.	1.5	13
75	Electric field induced tuning of the dielectric properties of strontium titanate bulk crystals in terahertz frequency range. , 2011, , .		0
76	Study of the ferroelectric phase transition in GeTe using time-domain THz spectroscopy. , 2011, , .		1
77	Terahertz spectroscopy with focused beams: Gouy shift correction for highly accurate refractive index retrieval. , 2011, , .		0
78	Investigation of metamaterials for terahertz frequency range. , 2011, , .		0
79	Tunable THz metamaterials based on an array of paraelectric SrTiO ₃ rods. Applied Physics A: Materials Science and Processing, 2011, 103, 689-692.	1.1	21
80	Study of the ferroelectric phase transition in germanium telluride using time-domain terahertz spectroscopy. Physical Review B, 2011, 84, .	1.1	31
81	Charge transport and localization in nanocrystalline CdS films: A time-resolved terahertz spectroscopy study. Physical Review B, 2011, 83, .	1.1	20
82	Demonstration of molecular beam epitaxy and a semiconducting band structure for I-Mn-V compounds. Physical Review B, 2011, 83, .	1.1	55
83	Terahertz and infrared spectroscopic evidence of phonon-paramagnon coupling in hexagonal piezomagnetic YMnO ₃ . Physical Review B, 2011, 84, .	1.1	23
84	Tuning of dielectric properties of SrTiO ₃ in the terahertz range. Physical Review B, 2011, 84, .	1.1	24
85	Charge transport and ultrafast localization in nanocrystalline CdS films studied by optical pump terahertz probe spectroscopy. , 2011, , .		0
86	Charge transport in nanostructured materials for solar energy conversion studied by time-resolved terahertz spectroscopy. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 215, 123-139.	2.0	103
87	Ultrafast terahertz photoconductivity in nanocrystalline mesoporous TiO ₂ films. Applied Physics Letters, 2010, 96, 062103.	1.5	20
88	Systematic Study of Mn-Doping Trends in Optical Properties of (Ga,Mn)As. Physical Review Letters, 2010, 105, 227201.	2.9	45
89	Electric field tuning of hard polar phonons in strained SrTiO ₃ films. Journal of Applied Physics, 2010, 107, 124116.	1.1	2
90	Ultrabroadband dielectric spectroscopy and phonons in (Pb _{1-x} /2La _x)(Zr _{0.9} Ti _{0.1})O ₃ . Journal of Applied Physics, 2010, 108, 104101.	1.1	17

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91	Terahertz and far-infrared response of $\text{Ba}_{1-x}\text{Sr}_x\text{TiO}_3$ films. Phase Transitions, 2010, 83, 966-973.	0.6	3
92	THz and infrared studies of multiferroic hexagonal $\text{Y}_{1-x}\text{Eu}_x\text{MnO}_3$ ($x=0.2$) ceramics. Phase Transitions, 2010, 83, 931-941.	0.6	14
93	Gouy shift correction for highly accurate refractive index retrieval in time-domain terahertz spectroscopy. Optics Express, 2010, 18, 15338.	1.7	91
94	Fishnet metamaterials on thin polymer film for terahertz applications. , 2010, , .		0
95	Influence of the Electron-Cation Interaction on Electron Mobility in Dye-Sensitized ZnO and TiO_2 Nanocrystals: A Study Using Ultrafast Terahertz Spectroscopy. Physical Review Letters. 2010. 104. 197401.	2.9	116
96	Lattice dynamics in $\text{Ba}_{0.7}\text{Sr}_{0.3}\text{TiO}_3$: study by THz and IR spectroscopy and <i>ab initio</i> simulations. Phase Transitions, 2010, 83, 955-965.	0.6	10
97	Near-field terahertz imaging of ferroelectric domains in barium titanate. , 2010, , .		0
98	Carrier Transport in Dye-sensitized ZnO and TiO ₂ Nanoparticles: What Can We Learn from Ultrafast Terahertz Spectra?. , 2010, , .		0
99	Terahertz Dielectric and Magnetic Response Near Magnetic Phase Transition in a Hexagonal Multiferroic YMnO_3 . , 2010, , .		0
100	Far-infrared response of free charge carriers localized in semiconductor nanoparticles. Physical Review B, 2009, 79, .	1.1	114
101	Temperature and electric field tuning of the ferroelectric soft mode in a strained SrTiO_3 . Physical Review B, 2009, 80, .	1.1	48
102	Ultrafast carrier dynamics in microcrystalline silicon probed by time-resolved terahertz spectroscopy. Physical Review B, 2009, 79, .	1.1	77
103	Ultrafast conductivity in a low-band-gap polyphenylene and fullerene blend studied by terahertz spectroscopy. Physical Review B, 2009, 79, .	1.1	32
104	Soft mode behavior in $\text{SrTiO}_3/\text{DyScO}_3$ thin films: Evidence of ferroelectric and antiferrodistortive phase transitions. Applied Physics Letters, 2009, 95, .	1.5	44
105	Phonon anomalies in $\text{Pb}_{1-x}\text{La}_x(\text{Zr}_{0.9}\text{Ti}_{0.1})\text{O}_3$ ceramics. Applied Physics Letters, 2009, 94, 052903.	1.5	13
106	High tunability of the soft mode in strained $\text{SrTiO}_3/\text{DyScO}_3$ multilayers. Journal of Physics Condensed Matter, 2009, 21, 115902.	0.7	42
107	Study of responsiveness of near-field terahertz imaging probes. Journal Physics D: Applied Physics, 2009, 42, 155501.	1.3	11
108	High photocarrier mobility in ultrafast ion-irradiated $\text{In}_{0.53}\text{Ga}_{0.47}\text{As}$ for terahertz applications. Journal Physics D: Applied Physics, 2009, 42, 195103.	1.3	20

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109	Tunable terahertz metamaterials with negative permeability. <i>Physical Review B</i> , 2009, 79, .	1.1	99
110	Broad-band dielectric spectroscopy and ferroelectric soft-mode response in the Ba _{0.6} Sr _{0.4} TiO ₃ solid solution. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 474215.	0.7	37
111	Broadband dielectric terahertz metamaterials with negative permeability. <i>Optics Letters</i> , 2009, 34, 3541.	1.7	38
112	Ultrafast carrier dynamics in microcrystalline silicon studied by time-resolved terahertz spectroscopy. , 2009, , .		0
113	Tunable metamaterials with negative permeability in THz range. , 2009, , .		0
114	Dielectric Tunable Metamaterials with Negative Permeability in Terahertz Range. , 2009, , .		0
115	Tunable structures and modulators for THz light. <i>Comptes Rendus Physique</i> , 2008, 9, 197-214.	0.3	96
116	Photoionization of atmospheric gases studied by time-resolved terahertz spectroscopy. <i>Chemical Physics Letters</i> , 2008, 465, 20-24.	1.2	7
117	Assessing skin hydration status in haemodialysis patients using terahertz spectroscopy: a pilot/feasibility study. <i>Physics in Medicine and Biology</i> , 2008, 53, 7063-7071.	1.6	8
118	Materials with on-demand refractive indices in the terahertz range. <i>Optics Letters</i> , 2008, 33, 2275.	1.7	26
119	Coexistence of the Phonon and Relaxation Soft Modes in the Terahertz Dielectric Response of Tetragonal BaTiO_3 . <i>Physical Review Letters</i> , 2008, 101, 167402.	2.9	191
120	Determination of the influence of dialysis on the human skin water content by means of THz spectroscopy. , 2008, , .		0
121	Infrared and THz Soft-Mode Spectroscopy of (Ba,Sr)TiO ₃ Ceramics. <i>Ferroelectrics</i> , 2008, 367, 139-148.	0.3	13
122	Modulators of THz radiation based on SrTiO ₃ epitaxial thin films. , 2008, , .		0
123	Ultrafast carrier dynamics in BrInP studied by time-resolved terahertz spectroscopy. <i>Physical Review B</i> , 2008, 78, .	1.8	18
124	Tunable SrTiO ₃ /DyScO ₃ heterostructures for applications in the terahertz range. , 2008, , .		0
125	Field-induced soft mode hardening in SrTiO ₃ /DyScO ₃ multilayers. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	20
126	Propagation of terahertz pulses in photoexcited media: Analytical theory for layered systems. <i>Journal of Chemical Physics</i> , 2007, 127, 024506.	1.2	51

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127	Optically controllable photonic crystals used as THz modulators. , 2007, , .		0
128	Ultrafast opto-THz modulators based on photonic crystals with GaAs defect. , 2007, , .		0
129	Optically tunable photonic crystals used as devices for the THz range. , 2007, , .		0
130	An Optically Controlled Modulator of Terahertz Radiation Based on 1-D Photonic Crystal. , 2007, , .		0
131	Ultrafast opto-terahertz photonic crystal modulator. Optics Letters, 2007, 32, 680.	1.7	101
132	Fast one-dimensional photonic crystal modulators for the terahertz range. Optics Express, 2007, 15, 8898.	1.7	48
133	Tunable materials and structures for the THz range. , 2007, , .		0
134	Highly tunable SrTiO ₃ •DyScO ₃ heterostructures for applications in the terahertz range. Applied Physics Letters, 2007, 91, .	1.5	56
135	Infrared and Raman studies of the dead grain-boundary layers in SrTiO ₃ fine-grain ceramics. Journal of Physics Condensed Matter, 2007, 19, 196222.	0.7	35
136	Transmission properties and band structure of a segmented dielectric waveguide for the terahertz range. Optics Communications, 2007, 273, 99-104.	1.0	9
137	Microwave and Terahertz Surface Resistance of MgB ₂ Thin Films. Journal of Superconductivity and Novel Magnetism, 2007, 19, 617-623.	0.8	4
138	One-dimensional tunable photonic crystals with spin crossover material for the terahertz range. Applied Physics Letters, 2006, 89, 174105.	1.5	19
139	Negative Index of Refraction in Anisotropic Nonmagnetic Materials. Ferroelectrics, 2006, 338, 195-203.	0.3	6
140	Carrier dynamics in microcrystalline silicon studied by time-resolved terahertz spectroscopy. Journal of Non-Crystalline Solids, 2006, 352, 2846-2849.	1.5	8
141	<title>Optical rectification at metal surfaces investigated in the terahertz frequency range</title>. , 2006, 6257, 179.		1
142	Independent determination of the complex refractive index and wave impedance by time-domain terahertz spectroscopy. Optics Communications, 2006, 260, 175-183.	1.0	29
143	Publisher's Note: Dynamics of the phase transitions in Bi-layered ferroelectrics with Aurivillius structure: Dielectric response in the terahertz spectral range [Phys. Rev. B74, 134105 (2006)]. Physical Review B, 2006, 74, .	1.1	0
144	Dielectric tunability of SrTiO ₃ thin films in the terahertz range. Applied Physics Letters, 2006, 88, 102901.	1.5	70

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145	Dynamics of the phase transitions in Bi-layered ferroelectrics with Aurivillius structure: Dielectric response in the terahertz spectral range. <i>Physical Review B</i> , 2006, 74, .	1.1	27
146	THz Near-Field Spectroscopy Based on Metal-Dielectric Antennae. , 2006, , .		3
147	Electric field tuning of the dielectric response of strontium titanate in the THz range. , 2006, , .		0
148	Simultaneous Determination of Dielectric Permittivity and Magnetic Permeability of Bulk Samples by THz Time-Domain Spectroscopy. , 2006, , .		0
149	Photoionization Mechanisms of Atmospheric Gases Probed by Terahertz Pulses. , 2006, , .		0
150	Ultrafast far-infrared dynamics probed by terahertz pulses: A frequency-domain approach. II. Applications. <i>Journal of Chemical Physics</i> , 2005, 122, 104504.	1.2	27
151	Terahertz surface impedance of epitaxial MgB2 thin film. <i>Applied Physics Letters</i> , 2005, 87, 092503.	1.5	20
152	Ultrafast far-infrared dynamics probed by terahertz pulses: A frequency domain approach. I. Model systems. <i>Journal of Chemical Physics</i> , 2005, 122, 104503.	1.2	25
153	Nonresonant ionization of oxygen molecules by femtosecond pulses: Plasma dynamics studied by time-resolved terahertz spectroscopy. <i>Journal of Chemical Physics</i> , 2005, 123, 104310.	1.2	32
154	A metal-dielectric antenna for terahertz near-field imaging. <i>Journal of Applied Physics</i> , 2005, 98, 014910.	1.1	63
155	Highly tunable photonic crystal filter for the terahertz range. <i>Optics Letters</i> , 2005, 30, 549.	1.7	127
156	Study of terahertz radiation generated by optical rectification on thin gold films. <i>Optics Letters</i> , 2005, 30, 1402.	1.7	99
157	Active optical control of the terahertz reflectivity of high-resistivity semiconductors. <i>Optics Letters</i> , 2005, 30, 1992.	1.7	27
158	An interconnected 2D-TM EBG structure for millimeter and submillimeter waves. <i>IEEE Journal on Selected Areas in Communications</i> , 2005, 23, 1378-1384.	9.7	7
159	High-temperature phase transitions in SrBi2Ta2O9 film: a study by THz spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 6763-6769.	0.7	10
160	Time-Domain Terahertz Spectroscopy of SrBi2Ta2O9. <i>Ferroelectrics</i> , 2004, 300, 125-129.	0.3	6
161	Optical two-photon absorption in GaAs measured by optical-pump terahertz-probe spectroscopy. <i>Physical Review B</i> , 2004, 70, .	1.1	38
162	Optical pumpâ€“terahertz probe spectroscopy of dyes in solutions: Probing the dynamics of liquid solvent or solid precipitate?. <i>Journal of Chemical Physics</i> , 2004, 120, 912-917.	1.2	9

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163	Thermally tunable filter for terahertz range based on a one-dimensional photonic crystal with a defect. <i>Journal of Applied Physics</i> , 2004, 96, 4072-4075.	1.1	132
164	Defect modes caused by twinning in one-dimensional photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004, 21, 548.	0.9	40
165	Time-domain terahertz study of defect formation in one-dimensional photonic crystals. <i>Applied Optics</i> , 2004, 43, 1965.	2.1	36
166	Optical rectification at metal surfaces. <i>Optics Letters</i> , 2004, 29, 2674.	1.7	125
167	Full spectrum dielectric response of Bi ₂ (Zn _{1/3} Nb _{2/3})O ₇ thin films in terahertz, infrared and optical frequency regions. <i>Materials Chemistry and Physics</i> , 2003, 79, 161-163.	2.0	1
168	Phase-sensitive time-domain terahertz reflection spectroscopy. <i>Review of Scientific Instruments</i> , 2003, 74, 4711-4717.	0.6	100
169	Dielectric Response of Soft Modes in Ferroelectric Thin Films. <i>Ferroelectrics</i> , 2003, 288, 169-185.	0.3	31
170	The ferroelectric soft mode and central mode in SrBi ₂ Ta ₂ O ₉ films. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 8095-8102.	0.7	17
171	Submillimeter and Far Infrared Dielectric Response of Bi-Doped SrTiO ₃ Ceramics. <i>Ferroelectrics</i> , 2003, 294, 133-139.	0.3	3
172	Submillimeter and Far Infrared Dielectric Response of Bi-Doped SrTiO ₃ Ceramics. <i>Ferroelectrics</i> , 2003, 294, 133-139.	0.3	6
173	Phase transition in lead titanate thin films: a Brillouin study. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 12287-12300.	0.7	2
174	Time-Resolved and Backward-Wave Oscillator Submillimetre Spectroscopy of Some Ferroelectric Ceramics and Thin Films. <i>Ferroelectrics</i> , 2002, 272, 219-224.	0.3	7
175	Methodology of an optical pump-terahertz probe experiment: An analytical frequency-domain approach. <i>Journal of Chemical Physics</i> , 2002, 117, 8454-8466.	1.2	65
176	Terahertz and Infrared Spectroscopic Study on Dielectric Properties of Bi ₂ (Zn _{1/3} Nb _{2/3}) ₂ O ₇ for Microwave Application. <i>Ferroelectrics</i> , 2002, 272, 255-260.	0.3	0
177	High frequency dielectric properties of A ₅ B ₄ O ₁₅ microwave ceramics. <i>Journal of Applied Physics</i> , 2001, 89, 3900-3906.	1.1	106
178	Carrier dynamics in low-temperature grown GaAs studied by terahertz emission spectroscopy. <i>Journal of Applied Physics</i> , 2001, 90, 1303-1306.	1.1	90
179	Dielectric properties of Bi ₂ (Zn _{1/3} Nb _{2/3}) ₂ O ₇ electroceramics and thin films. <i>Journal of the European Ceramic Society</i> , 2001, 21, 1605-1608.	2.8	0
180	Synthesis and properties of dielectric Bi ₂ (Zn _{1/3} Nb _{2/3}) ₂ O ₇ thin films. <i>Journal of the European Ceramic Society</i> , 2001, 21, 2731-2734.	2.8	8

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