

# Chi-Kuang Sun

## List of Publications by Year in descending order

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407  
papers

8,644  
citations

50276

46  
h-index

64796

79  
g-index

411  
all docs

411  
docs citations

411  
times ranked

6999  
citing authors

#	ARTICLE	IF	CITATIONS
1	A rapid denoised contrast enhancement method digitally mimicking an adaptive illumination in submicron-resolution neuronal imaging. <i>IScience</i> , 2022, 25, 103773.	4.1	2
2	A radial distortion compensation method for artifact-free multi-adjacent-tile stitching/mosaicking in Mesoscopic Optical Microscopy. , 2022, , .		1
3	Efficacy comparison on varies optical clearing agents for in vivo human skin imaging. , 2022, , .		0
4	Implementation of a coplanar-waveguide chip for the measurement of EM wave absorption spectrum of SARS-Cov-2 virus. , 2022, , .		0
5	Construction of a high-NFOM multiphoton microscope with large-angle resonant raster scanning. <i>STAR Protocols</i> , 2022, 3, 101330.	1.2	1
6	Presence of intralesional melanocytes as a histopathological feature of actinic keratosis based on in vivo harmonic generation microscopy in Asians. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2021, 37, 20-27.	1.5	4
7	Investigating the optical clearing effects of 50% glycerol in ex vivo human skin by harmonic generation microscopy. <i>Scientific Reports</i> , 2021, 11, 329.	3.3	12
8	A GPU-Accelerated Modified Unsharp-Masking Method for High-Frequency Background- Noise Suppression. <i>IEEE Access</i> , 2021, 9, 68746-68757.	4.2	5
9	Margin Assessment of Extramammary Paget's Disease Based On Harmonic Generation Microscopy With Deep Neural Networks. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-7.	2.9	3
10	Single-laser-based simultaneous four-wavelength excitation source for femtosecond two-photon fluorescence microscopy. <i>Biomedical Optics Express</i> , 2021, 12, 4661.	2.9	5
11	A Study on Applying Slide-Free Label-Free Harmonic Generation Microscopy For Noninvasive Assessment of Melasma Treatments With Histopathological Parameters. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-10.	2.9	3
12	Nyquist-exceeding high voxel rate acquisition in mesoscopic multiphoton microscopy for full-field submicron resolution resolvability. <i>IScience</i> , 2021, 24, 103041.	4.1	6
13	In vivo harmonic generation microscopy for monitoring the height of basal keratinocytes in solar lentigines after laser depigmentation treatment. <i>Biomedical Optics Express</i> , 2021, 12, 6129.	2.9	6
14	Terahertz Photoacoustic Generation Using Ultrathin Nickel Nanofilms. <i>Journal of Physical Chemistry C</i> , 2021, 125, 3134-3142.	3.1	9
15	Comparative analysis of intrinsic skin aging between Caucasian and Asian subjects by slide-free in vivo harmonic generation microscopy. <i>Journal of Biophotonics</i> , 2020, 13, e201960063.	2.3	12
16	Studying time-dependent contribution of hot-electron versus lattice-induced thermal-expansion response in ultra-thin Au-nanofilms. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	5
17	Observation of Femtosecond Acoustic Anomaly in a Solid Liquid Interface. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2987-2993.	3.1	4
18	Additive-color multi-harmonic generation microscopy for simultaneous label-free differentiation of plaques, tangles, and neuronal axons. <i>Biomedical Optics Express</i> , 2020, 11, 571.	2.9	15

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19	Slide-free clinical imaging of melanin with absolute quantities using label-free third-harmonic-generation enhancement-ratio microscopy. <i>Biomedical Optics Express</i> , 2020, 11, 3009.	2.9	14
20	Super-speed multiphoton microscopy for mesoscopic volume imaging with ultra-dense sampling beyond Nyquist Limit. , 2020, , .		1
21	Ultra-short photoacoustic pulse generation through hot electron pressure in two-dimensional electron gas. <i>Optics Express</i> , 2020, 28, 34045.	3.4	0
22	Saturated two-photon excitation fluorescence microscopy for the visualization of cerebral neural networks at millimeters deep depth. <i>Journal of Biophotonics</i> , 2019, 12, e201800136.	2.3	7
23	Long mean free paths of room-temperature THz acoustic phonons in a high thermal conductivity material. <i>Physical Review B</i> , 2019, 100, .	3.2	20
24	Slide-free imaging of hematoxylin-eosin stained whole-mount tissues using combined third-harmonic generation and three-photon fluorescence microscopy. <i>Journal of Biophotonics</i> , 2019, 12, e201800341.	2.3	19
25	Classification of established atopic dermatitis in children with the in vivo imaging methods. <i>Journal of Biophotonics</i> , 2019, 12, e201800148.	2.3	5
26	In vivo third-harmonic generation microscopy study on vitiligo patients. <i>Journal of Biomedical Optics</i> , 2019, 25, 1.	2.6	14
27	Slide-free histopathological imaging of hematoxylin-eosin-stained whole mount tissues using Cr:forsterite laser-based nonlinear microscopy. , 2019, , .		2
28	Study on melanin enhanced third harmonic generation in a live cell model. <i>Biomedical Optics Express</i> , 2019, 10, 5716.	2.9	10
29	Rapid intraoperative margin assessment by using multi-modal third-harmonic generation and three-photon fluorescence microscopy. , 2019, , .		0
30	High Sensitivity of T-Ray for Thrombus Sensing. <i>Scientific Reports</i> , 2018, 8, 3948.	3.3	11
31	Harmonic generation microscopy of bone microenvironment in vivo. <i>Optics Communications</i> , 2018, 422, 52-55.	2.1	2
32	Rapid virtual hematoxylin and eosin histology of breast tissue specimens using a compact fluorescence nonlinear microscope. <i>Laboratory Investigation</i> , 2018, 98, 150-160.	3.7	54
33	Femtosecond Acoustics and Terahertz Ultrasonics. <i>EPJ Web of Conferences</i> , 2018, 195, 00005.	0.3	1
34	Melanocyte Detection and Intercellular Distribution Analysis of Melasma in Harmonically Generated Microscopy Images. , 2018, , .		1
35	In Situ Monitoring of Chemical Reactions at a Solid-Water Interface by Femtosecond Acoustics. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5430-5437.	4.6	12
36	Resonant Dipolar Coupling of Microwaves with Confined Acoustic Vibrations in a Rod-shaped Virus. <i>Scientific Reports</i> , 2017, 7, 4611.	3.3	19

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37	Nonlinear plasmonic imaging techniques and their biological applications. <i>Nanophotonics</i> , 2017, 6, 31-49.	6.0	27
38	Extracting elastic properties of an atomically thin interfacial layer by time-domain analysis of femtosecond acoustics. <i>Applied Physics Letters</i> , 2017, 111, 213101.	3.3	6
39	Stem cell detection based on Convolutional Neural Network via third harmonic generation microscopy images. , 2017, , .		2
40	Efficient Structure Resonance Energy Transfer from Microwaves to Confined Acoustic Vibrations in Viruses. <i>Scientific Reports</i> , 2016, 5, 18030.	3.3	50
41	Dietary adaptations in the ultrastructure of dinosaur dentine. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160626.	3.4	12
42	Structure resonance energy transfer from EM wave to rod-like virus. , 2016, , .		1
43	Detection of malformations in sea urchin <i>plutei</i> exposed to mercuric chloride using different fluorescent techniques. <i>Ecotoxicology and Environmental Safety</i> , 2016, 123, 72-80.	6.0	6
44	Differentiating intratumoral melanocytes from Langerhans cells in nonmelanocytic pigmented skin tumors <i>in vivo</i> by label-free third-harmonic generation microscopy. <i>Journal of Biomedical Optics</i> , 2016, 21, 076009.	2.6	12
45	Relaxation dynamics of surface-adsorbed water molecules in nanoporous silica probed by terahertz spectroscopy. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	8
46	In vivo sub-femtoliter resolution photoacoustic microscopy with higher frame rates. <i>Scientific Reports</i> , 2015, 5, 15421.	3.3	12
47	Investigation of gold/GaN nanorod arrays for hypersonic detection: The effect of periodicity. <i>Applied Physics Letters</i> , 2015, 107, 163108.	3.3	2
48	Third-harmonic generation susceptibility spectroscopy in free fatty acids. <i>Journal of Biomedical Optics</i> , 2015, 20, 095013.	2.6	15
49	A Study on the Fiber Dispersion Effect for the Generation of Quasi-Sinusoidal Terahertz Modulations on Optical Pulses. <i>Journal of Lightwave Technology</i> , 2015, 33, 4899-4907.	4.6	2
50	Fractional Thermolysis by Bipolar Radiofrequency Facilitates Cutaneous Delivery of Peptide and siRNA with Minor Loss of Barrier Function. <i>Pharmaceutical Research</i> , 2015, 32, 1704-1713.	3.5	13
51	Imaging Endogenous Bilirubins with Two-Photon Fluorescence of Bilirubin Dimers. <i>Analytical Chemistry</i> , 2015, 87, 7575-7582.	6.5	25
52	Pilot clinical study to investigate the human whole blood spectrum characteristics in the sub-THz region. <i>Optics Express</i> , 2015, 23, 9440.	3.4	14
53	Near-field sub-THz transmission-type image system for vessel imaging in-vivo. <i>Optics Express</i> , 2015, 23, 25058.	3.4	15
54	Third-harmonic generation microscopy reveals dental anatomy in ancient fossils. <i>Optics Letters</i> , 2015, 40, 1354.	3.3	18

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55	Pore-size dependent THz absorption of nano-confined water. <i>Optics Letters</i> , 2015, 40, 2731.	3.3	11
56	THz acoustic phonon spectroscopy and nanoscopy by using piezoelectric semiconductor heterostructures. <i>Ultrasonics</i> , 2015, 56, 52-65.	3.9	44
57	Harmonic Generation Microscopy. <i>Topics in Applied Physics</i> , 2015, , 517-536.	0.8	0
58	Enhanced detection sensitivity of higher-order vibrational modes of gold nanodisks on top of a GaN nanorod array through localized surface plasmons. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	6
59	Differential diagnosis of nonmelanoma pigmented skin lesions based on harmonic generation microscopy. <i>Journal of Biomedical Optics</i> , 2014, 19, 036001.	2.6	22
60	Special Section Guest Editorial: Advanced Biomedical Imaging and Sensing. <i>Journal of Biomedical Optics</i> , 2014, 19, 011001.	2.6	0
61	Quantitative analysis of intrinsic skin aging in dermal papillae by in vivo harmonic generation microscopy. <i>Biomedical Optics Express</i> , 2014, 5, 3266.	2.9	52
62	Nonlinear photoacoustic microscopy via a loss modulation technique: from detection to imaging. <i>Optics Express</i> , 2014, 22, 525.	3.4	27
63	Terahertz plasmonic waveguide sensing based on metal rod array structures. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
64	Density analysis of collagen fibers based on enhanced frangi filter in Second Harmonic Generation virtual biopsy images. , 2014, , .		1
65	Advances in Noninvasive Functional Imaging of Bone. <i>Academic Radiology</i> , 2014, 21, 281-301.	2.5	5
66	Graphene-to-Substrate Energy Transfer through Out-of-Plane Longitudinal Acoustic Phonons. <i>Nano Letters</i> , 2014, 14, 1317-1323.	9.1	30
67	Efficient excitation of guided acoustic waves in semiconductor nanorods through external metallic acoustic transducer. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	8
68	Probing Hydrophilic Interface of Solid/Liquid-Water by Nanoultrasonics. <i>Scientific Reports</i> , 2014, 4, 6249.	3.3	45
69	Realization of multiphoton photoacoustic microscopy via a loss modulation technique. , 2014, , .		1
70	Automatic Cell Segmentation and Nuclear-to-Cytoplasmic Ratio Analysis for Third Harmonic Generated Microscopy Medical Images. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2013, 7, 158-168.	4.0	27
71	Gold Nanodots: In vivo Metabolic Imaging of Insulin with Multiphoton Fluorescence of Human Insulinâ€™Au Nanodots (Small 12/2013). <i>Small</i> , 2013, 9, 2102-2102.	10.0	2
72	Collagen second harmonic generation image analysis for diabetes determination. , 2013, , .		0

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73	A novel intravital multi-harmonic generation microscope for early diagnosis of oral cancer. , 2013, , .		2
74	In vivo Metabolic Imaging of Insulin with Multiphoton Fluorescence of Human Insulinâ€“Au Nanodots. Small, 2013, 9, 2103-2110.	10.0	17
75	An all-photonic-crystal-fiber wavelength-tunable source of high-energy sub-100fs pulses. Optics Communications, 2013, 289, 123-126.	2.1	7
76	Gigahertz Coherent Guided Acoustic Phonons in AlN/GaN Nanowire Superlattices. Nano Letters, 2013, 13, 1139-1144.	9.1	22
77	Determining the influence of age and diabetes on the second-harmonic generation strength of dermal collagen fibers in vivo by using electronic noises. , 2013, , .		0
78	Two-photon photoacoustics ultrasound measurement by a loss modulation technique. Proceedings of SPIE, 2013, , .	0.8	1
79	Characterization of oral precancerous lesions based on higher-harmonic generation microscopy. , 2013, , .		0
80	Determination of chronological aging parameters in epidermal keratinocytes by in vivo harmonic generation microscopy. Biomedical Optics Express, 2013, 4, 77.	2.9	46
81	High-depth-resolution 3-dimensional radar-imaging system based on a few-cycle W-band photonic millimeter-wave pulse generator. Optics Express, 2013, 21, 14109.	3.4	21
82	Virtual spatial overlap modulation microscopy for resolution improvement. Optics Express, 2013, 21, 30007.	3.4	8
83	Blu-ray disk lens as the objective of a miniaturized two-photon fluorescence microscope. Optics Express, 2013, 21, 31604.	3.4	4
84	Applying tattoo dye as a third-harmonic generation contrast agent for <i>in vivo</i> optical virtual biopsy of human skin. Journal of Biomedical Optics, 2013, 18, 026012.	2.6	8
85	Terahertz nano-film sensing based on metallic rod array. , 2013, , .		0
86	THz dielectric fiber based imaging: In vivo molecular imaging of water. , 2013, , .		3
87	Thermal Boundary Resistance between GaN and Cubic Ice and THz Acoustic Attenuation Spectrum of Cubic Ice from Complex Acoustic Impedance Measurements. Physical Review Letters, 2013, 111, 225901.	7.8	17
88	Evaluation of the role of CD207 on Langerhans cells in a murine model of atopic dermatitis by in situ imaging using Cr:forsterite laser-based multimodality nonlinear microscopy. Journal of Biomedical Optics, 2012, 17, 1.	2.6	6
89	Femtosecond excitation of radial breathing mode in 2-D arrayed GaN nanorods. Optics Express, 2012, 20, 16611.	3.4	13
90	Interferometric detection of extensional modes of GaN nanorods array. Optics Express, 2012, 20, 18717.	3.4	9

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91	Selectively probing vibrations in a plasmonic supracrystal. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	18
92	Cell segmentation and NC ratio analysis of third harmonic generation virtual biopsy images based on marker-controlled gradient watershed algorithm. , 2012, , .		4
93	Investigation on Strong Coupling Behaviors of THz Subwavelength Directional Couplers. <i>IEEE Photonics Journal</i> , 2012, 4, 2307-2314.	2.0	4
94	Magnitude-tunable sub-THz shear phonons in a non-polar GaN multiple-quantum-well p-i-n diode. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	15
95	Confined acoustic vibrations in piezoelectric GaN nanorods. , 2012, , .		2
96	Air-guided photonic-crystal-fiber pulse-compression delivery of multimegawatt femtosecond laser output for nonlinear-optical imaging and neurosurgery. <i>Applied Physics Letters</i> , 2012, 100, 101104.	3.3	15
97	Near-field dynamic study of the nanoacoustic effect on the extraordinary transmission in gold nanogratings. <i>Optics Express</i> , 2012, 20, 16186.	3.4	8
98	Gap Opening and Orbital Modification of Superconducting FeSe above the Structural Distortion. <i>Physical Review Letters</i> , 2012, 108, 267002.	7.8	35
99	THz-bandwidth coherent phonon emission by supported monolayer graphene in the out-of-plane direction. , 2012, , .		0
100	Characterization of oral squamous cell carcinoma based on higher harmonic generation microscopy. <i>Journal of Biophotonics</i> , 2012, 5, 415-424.	2.3	15
101	The toxic effect of Amiodarone on valve formation in the developing heart of zebrafish embryos. <i>Reproductive Toxicology</i> , 2012, 33, 233-244.	2.9	17
102	Broadband terahertz ultrasonic transducer based on a laser-driven piezoelectric semiconductor superlattice. <i>Ultrasonics</i> , 2012, 52, 1-4.	3.9	26
103	Propagation, Resonance, and Radiation on Terahertz Optoelectronic Integrated Circuits. <i>IEEE Photonics Journal</i> , 2012, 4, 699-706.	2.0	3
104	In Vivo Multi-Harmonic Generation Biopsy of Human Skin and Mucosa. , 2012, , .		0
105	Strong-Coupling Behavior of THz Sub-wavelength Directional Couplers. , 2012, , .		0
106	In vivo Imaging Human Micro-circulation with Video-rate Third Harmonic Generation Microscopy. , 2012, , .		0
107	Study of apoptosis induction using fluorescent and higher harmonic generation microscopy techniques in <i>Acartia tonsa</i> nauplii exposed to chronic concentrations of nickel. <i>Chemistry and Ecology</i> , 2011, 27, 97-104.	1.6	4
108	Square pipe-waveguide-based terahertz directional coupler. , 2011, , .		0

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109	Performance of THz fiber-scanning near-field microscopy to diagnose breast tumors. , 2011, , .		0
110	In vivo optical virtual biopsy of human oral mucosa with harmonic generation microscopy. Biomedical Optics Express, 2011, 2, 2317.	2.9	59
111	Performance of THz fiber-scanning near-field microscopy to diagnose breast tumors. Optics Express, 2011, 19, 19523.	3.4	149
112	Terahertz polarization-sensitive rectangular pipe waveguides. Optics Express, 2011, 19, 21532.	3.4	16
113	High-sensitivity in vivo THz transmission imaging of early human breast cancer in a subcutaneous xenograft mouse model. Optics Express, 2011, 19, 21552.	3.4	70
114	Terahertz pipe-waveguide-based directional couplers. Optics Express, 2011, 19, 26883.	3.4	20
115	Terahertz antiresonant-reflecting-hollow-waveguide-based directional coupler operating at antiresonant frequencies. Optics Letters, 2011, 36, 3590.	3.3	11
116	Integration of CNS survival and differentiation by HIF2 $\alpha$ . Cell Death and Differentiation, 2011, 18, 1757-1770.	11.2	31
117	Femtosecond ultrasonic spectroscopy using a piezoelectric nanolayer: Hypersound attenuation in vitreous silica films. Applied Physics Letters, 2011, 99, 051913.	3.3	22
118	Femtosecond optical excitation of coherent acoustic phonons in a piezoelectric junction. Physical Review B, 2011, 84, .	3.2	8
119	Using hole screening effect on hole phonon interaction to estimate hole density in Mg-doped InN. Applied Physics Letters, 2011, 98, .	3.3	2
120	Elastic stiffness of single-crystalline FeSe measured by picosecond ultrasonics. Journal of Applied Physics, 2011, 110, 073505.	2.5	6
121	Diagnosing hepatocellular carcinoma with the intensity and the lifetime of two-photon red autofluorescences. Proceedings of SPIE, 2011, , .	0.8	4
122	Thickness dependent contrast of human oral epithelial nuclei in vivo observed by third-harmonic generation microscopy. , 2011, , .		0
123	Terahertz photonic transmitters with a high-gain open-ended rampart slot array antenna. , 2010, , .		1
124	Nano-ultrasonic based on GaN nano-layers. , 2010, , .		0
125	<i>In Vivo</i> Virtual Biopsy of Human Skin by Using Noninvasive Higher Harmonic Generation Microscopy. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 478-492.	2.9	117
126	Quantitative and qualitative investigation into the impact of focused ultrasound with microbubbles on the triggered release of nanoparticles from vasculature in mouse tumors. Journal of Controlled Release, 2010, 146, 291-298.	9.9	58



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127	Multi-photon resonance enhancement of third harmonic generation in human oxyhemoglobin and deoxyhemoglobin. Journal of Biophotonics, 2010, 3, 678-685.	2.3	27
128	Applying Harmonic Optical Microscopy for Spatial Alignment of Atrial Collagen Fibers. PLoS ONE, 2010, 5, e13917.	2.5	11
129	Second-harmonic generation imaging of collagen fibers in myocardium for atrial fibrillation diagnosis. Journal of Biomedical Optics, 2010, 15, 026002.	2.6	32
130	Virtual biopsy of rat tympanic membrane using higher harmonic generation microscopy. Journal of Biomedical Optics, 2010, 15, 046012.	2.6	12
131	Femtosecond laser-ultrasonic investigation of plasmonic fields on the metal/gallium nitride interface. Applied Physics Letters, 2010, 97, .	3.3	12
132	Observation of sub-100 femtosecond electron cooling time in InN. Applied Physics Letters, 2010, 96, 052108.	3.3	8
133	Three-dimensional phononic nanocrystal composed of ordered quantum dots. Applied Physics Letters, 2010, 96, .	3.3	23
134	GaAs-Based Transverse Junction Superluminescent Diodes With Strain-Compensated InGaAs/GaAsP Multiple-Quantum-Wells at 1.1- $\mu\text{m}$ Wavelength. IEEE Photonics Technology Letters, 2010, 22, 917-919.	2.5	2
135	Direct backward third-harmonic generation in nanostructures. Optics Express, 2010, 18, 7397.	3.4	21
136	Miniaturized video-rate epi-third-harmonic-generation fiber-microscope. Optics Express, 2010, 18, 17382.	3.4	32
137	A sub-100fs self-starting Cr:forsterite laser generating 14W output power. Optics Express, 2010, 18, 24085.	3.4	15
138	Bending loss of terahertz pipe waveguides. Optics Express, 2010, 18, 26332.	3.4	40
139	Fiber-based swept-source terahertz radar. Optics Letters, 2010, 35, 1344.	3.3	19
140	Modal characteristics of antiresonant reflecting pipe waveguides for terahertz waveguiding. Optics Express, 2010, 18, 309.	3.4	126
141	A femtosecond Cr <sup>4+</sup> :forsterite laser generating 1.4W output power. , 2010, , .		2
142	THz fiber-based swept-source imaging radar. , 2010, , .		1
143	Three-Photon/Two-Photon Resonance Enhancement of Third Harmonic Generation in Human Oxyhemoglobin and Deoxyhemoglobin. , 2010, , .		0
144	Direct Backward Third Harmonic Generation in Nanostructures. , 2010, , .		0

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145	Investigation on Mode Coupling and Bending Loss Characteristics of Terahertz Air-core Pipe Waveguides. , 2010, , .		0
146	Analysis of THz Antiresonant Reflecting Tube Waveguides. , 2009, , .		1
147	Photogeneration of coherent shear phonons in orientated wurtzite semiconductors by piezoelectric coupling. Physical Review B, 2009, 80, .	3.2	29
148	Electrically manipulating the optical sensitivity function in quantum wells for nanoacoustic wave detection. Applied Physics Letters, 2009, 95, 143108.	3.3	2
149	In vivo harmonic generation microscopy for least invasive virtual biopsy. , 2009, , .		0
150	Effects of hydration levels on the bandwidth of microwave resonant absorption induced by confined acoustic vibrations. Applied Physics Letters, 2009, 95, .	3.3	13
151	Microwave resonant absorption of viruses through dipolar coupling with confined acoustic vibrations. Applied Physics Letters, 2009, 94, .	3.3	42
152	Infrared-based third and second harmonic generation imaging of cornea. Journal of Biomedical Optics, 2009, 14, 044012.	2.6	18
153	Infrared-based least-invasive third and second harmonic generation imaging of ocular tissues. , 2009, , .		0
154	Selective imaging in second-harmonic-generation microscopy with anisotropic radiation. Journal of Biomedical Optics, 2009, 14, 010504.	2.6	20
155	Third and second harmonic generation imaging of human articular cartilage. , 2009, , .		5
156	Second harmonic generation imaging of the collagen in myocardium for atrial fibrillation diagnosis. , 2009, , .		2
157	In vivo harmonic generation biopsy of human skin. Journal of Biomedical Optics, 2009, 14, 1.	2.6	69
158	Noninvasive in vitro and in vivo assessment of epidermal hyperkeratosis and dermal fibrosis in atopic dermatitis. Journal of Biomedical Optics, 2009, 14, 1.	2.6	36
159	All-terahertz fiber-scanning near-field microscopy. Optics Letters, 2009, 34, 1084.	3.3	68
160	Low-index terahertz pipe waveguides. Optics Letters, 2009, 34, 3457.	3.3	128
161	Subwavelength Dielectric-Fiber-Based THz Coupler. Journal of Lightwave Technology, 2009, 27, 1489-1495.	4.6	37
162	Continuously Tunable Large-Dynamic-Range Radio-Frequency Phase Shifter Via a Soliton Self-Frequency-Shifted Source and a Dispersive Fiber. IEEE Photonics Technology Letters, 2009, 21, 313-315.	2.5	3

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163	Bipolar cascade superluminescent diodes at the 1.04 $\mu$ m wavelength regime. IEEE Photonics Technology Letters, 2009, 21, 328-330.	2.5	6
164	Specular Scattering Probability of Acoustic Phonons in Atomically Flat Interfaces. Physical Review Letters, 2009, 103, 264301.	7.8	49
165	Efficient Near-IR Hyperthermia and Intense Nonlinear Optical Imaging Contrast on the Gold Nanorod-in-Shell Nanostructures. Journal of the American Chemical Society, 2009, 131, 14186-14187.	13.7	123
166	THz Anti-Resonant Reflecting Tube Waveguide. , 2009, , .		0
167	Miniaturized Epi-Third Harmonic Generation Microscope with a Sub-Micron Spatial Resolution and a Video Rate. , 2009, , .		0
168	GaAs-based Transverse Junction Superluminescent Diode at 1.1 $\mu$ m Wavelength Region. , 2009, , .		0
169	Cr:Forsterite Laser-based fiber-optic nonlinear endoscope with higher efficiencies. Microscopy Research and Technique, 2008, 71, 559-563.	2.2	7
170	1.2- to 2.2- $\mu$ m Tunable Raman Soliton Source Based on a Cr:Forsterite Laser and a Photonic-Crystal Fiber. IEEE Photonics Technology Letters, 2008, 20, 900-902.	2.5	54
171	Highly Directed Radiation Pattern From a THz Photonic Transmitter With a Two-Dimensional Rampart Slot Array Antenna. IEEE Photonics Technology Letters, 2008, 20, 1042-1044.	2.5	1
172	Biocompatible bacteria@Au composites for application in the photothermal destruction of cancer cells. Chemical Communications, 2008, , 4430.	4.1	48
173	Molecular third-harmonic-generation microscopy through resonance enhancement with absorbing dye. Optics Letters, 2008, 33, 387.	3.3	42
174	THz interferometric imaging using subwavelength plastic fiber based THz endoscopes. Optics Express, 2008, 16, 2494.	3.4	45
175	Imaging polyhedral inclusion bodies of nuclear polyhedrosis viruses with second harmonic generation microscopy. Optics Express, 2008, 16, 5602.	3.4	7
176	Cell tracking and detection of molecular expression in live cells using lipid-enclosed CdSe quantum dots as contrast agents for epi-third harmonic generation microscopy. Optics Express, 2008, 16, 9534.	3.4	38
177	Miniaturized multiphoton microscope with a 24Hz frame-rate. Optics Express, 2008, 16, 10501.	3.4	24
178	Higher harmonic generation microscopy of in vitro cultured mammal oocytes and embryos. Optics Express, 2008, 16, 11574.	3.4	65
179	Epi-third and second harmonic generation microscopic imaging of abnormal enamel. Optics Express, 2008, 16, 11670.	3.4	41
180	Transverse-junction superluminescent diodes at the 1.1 $\mu$ m wavelength regime. Optics Express, 2008, 16, 16860.	3.4	5

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181	Observation of femtosecond carrier thermalization time in indium nitride. Journal of Applied Physics, 2008, 103, 123513.	2.5	17
182	In vivo long-term continuous observation of gene expression in zebrafish embryo nerve systems by using harmonic generation microscopy and morphant technology. Journal of Biomedical Optics, 2008, 13, 064041.	2.6	27
183	GaAs-based bipolar cascade light-emitting-diodes and superluminescent-diodes at the 1.04- $\mu$ m wavelength regime. , 2008, , .		1
184	Terahertz air-core microstructure fiber. Applied Physics Letters, 2008, 92, .	3.3	136
185	Resonance-enhanced dipolar interaction between terahertz photons and confined acoustic phonons in nanocrystals. Applied Physics Letters, 2008, 92, .	3.3	10
186	Terahertz scanning imaging with a subwavelength plastic fiber. Applied Physics Letters, 2008, 92, .	3.3	26
187	Piezoelectricity-induced terahertz photon absorption by confined acoustic phonons in wurtzite CdSe nanocrystals. Physical Review B, 2008, 77, .	3.2	4
188	Least invasive in vivo imaging using harmonic generation microscopy. Proceedings of SPIE, 2008, , .	0.8	1
189	1.2- $\mu$ m tunable raman soliton source based on a Cr:Forsterite-laser and a photonic-crystal fiber. , 2008, , .		2
190	Highly-directed terahertz photonic transmitter by using the design of planar antenna arrays. , 2008, , .		0
191	Specular reflection of THz coherent acoustic phonons at solid-liquid interfaces. , 2008, , .		0
192	Coherent interaction of optical second harmonic generation in collagen fibrils. Proceedings of SPIE, 2008, , .	0.8	0
193	Miniaturized two-photon fluorescence and second harmonic generation microscope with a 24Hz frame-rate. , 2008, , .		0
194	Second harmonic generation microscopy on the polyhedral inclusion bodies of nuclear polyhedrosis viruses. , 2008, , .		0
195	Resonant-enhanced dipolar interaction between THz-photons and confined acoustic phonons in nanostructures. Proceedings of SPIE, 2008, , .	0.8	0
196	Resonant-enhanced dipolar interaction between THz-photons and confined acoustic phonons in nanocrystals. , 2008, , .		0
197	THz interferometric imaging using subwavelength plastic fiber based THz endoscopes. , 2008, , .		0
198	Higher harmonic generation microscopy of in vitro cultured mammal oocytes and embryos. Optics Express, 2008, 16, 11574-88.	3.4	43

#	ARTICLE	IF	CITATIONS
199	Epi-third and second harmonic generation microscopic imaging of abnormal enamel. Optics Express, 2008, 16, 11670-9.	3.4	27
200	THz Fiber Directional Coupler. , 2007, , .		2
201	Spectral Loss Characteristics of Subwavelength THz Fibers. , 2007, , .		0
202	Noninvasive long term observation and evaluation of mammal oocytes and embryos with a 3D subcellular spatial resolution. , 2007, , .		0
203	In vivo Imaging Using Harmonic Generation Microscopy. , 2007, , .		1
204	Flatten and invariant broadband spectra of transverse junction light-emitting diodes under a large range of bias current at 1.06 $\mu$ m wavelengths. , 2007, , .		1
205	Sub-wavelength THz plastic fibers. , 2007, 6472, 38.		0
206	Design and Analysis of Surface Plasmon-Enhanced Metal-Semiconductor-Metal Traveling Wave Photodetectors. , 2007, , .		0
207	Spectral loss characteristics of subwavelength THz fibers. , 2007, , .		0
208	In vivo Molecular-Resonant Third Harmonic Generation Microscopy of Hemoglobin. , 2007, , .		3
209	Air-core microstructure fiber for terahertz radiation waveguiding. , 2007, , .		2
210	Narrow-band detection of propagating coherent acoustic phonons in piezoelectric InGa $\text{N}_{x^{\wedge}}$ GaN multiple-quantum wells. Applied Physics Letters, 2007, 91, 133101.	3.3	9
211	Optical piezoelectric transducer based nanoultrasonics. , 2007, , .		0
212	Selective imaging in second-harmonic-generation microscopy by polarization manipulation. Applied Physics Letters, 2007, 91, .	3.3	27
213	In vivo Imaging Using Harmonic Generation Microscopy. , 2007, , .		1
214	In Vivo Continuous imaging of Vertebrate Cardiac Valves for Congenital Heart Disease Study and Medical Drug Screening Using Third Harmonic Generation Microscopy. , 2007, , .		1
215	Noninvasive intravital cellular diagnosis of atopic dermatitis by using harmonic optical virtual biopsy. , 2007, , .		0
216	Investigation on spectral loss characteristics of subwavelength terahertz fibers. Optics Letters, 2007, 32, 1017.	3.3	42

#	ARTICLE	IF	CITATIONS
217	In vivo and ex vivo imaging of intra-tissue elastic fibers using third-harmonic-generation microscopy. Optics Express, 2007, 15, 11167.	3.4	57
218	Thickness dependence of optical second harmonic generation in collagen fibrils. Optics Express, 2007, 15, 12005.	3.4	34
219	Anharmonic decay of subterahertz coherent acoustic phonons in GaN. Applied Physics Letters, 2007, 90, 041902.	3.3	22
220	Efficient generation of coherent acoustic phonons in (111) InGaAs/GaAs multiple quantum wells through piezoelectric effects. Applied Physics Letters, 2007, 90, 172102.	3.3	22
221	Molecular Imaging Using CdSe/ZnS/Lipid Quantum Dots as Contrast Agents of Third Harmonic Generation Microscopy. , 2007, , .		0
222	Design and analysis of surface plasmon-enhanced metal-semiconductor-metal traveling wave photodetectors. , 2007, , .		0
223	Least-invasive harmonic generation microscopy for intravital imaging. , 2007, , .		0
224	Sub-THz Photonic-Transmitters Based on Separated-Transport-Recombination Photodiodes and a Micromachined Slot Antenna. IEEE Photonics Technology Letters, 2007, 19, 840-842.	2.5	6
225	Molecular Imaging of Cancer Cells Using Plasmon-Resonant-Enhanced Third-Harmonic-Generation in Silver Nanoparticles. Advanced Materials, 2007, 19, 4520-4523.	21.0	79
226	Glycogen synthase kinase 3 $\beta$ and 3 $\delta$ have distinct functions during cardiogenesis of zebrafish embryo. BMC Developmental Biology, 2007, 7, 93.	2.1	57
227	Spatial manipulation of nanoacoustic waves with nanoscale spot sizes. Nature Nanotechnology, 2007, 2, 704-708.	31.5	80
228	Noninvasive harmonics optical microscopy for long-term observation of embryonic nervous system development in vivo. Journal of Biomedical Optics, 2006, 11, 054022.	2.6	50
229	Ultrafast carrier thermalization in InN. Applied Physics Letters, 2006, 89, 232114.	3.3	41
230	Ex vivo and in vivo oral cancer diagnosis using backward-collected third harmonic generation biopsy. , 2006, , .		0
231	Terahertz Microchip for Illicit Drug Detection. IEEE Photonics Technology Letters, 2006, 18, 2254-2256.	2.5	44
232	Frequency tunability of terahertz photonic transmitters. Applied Physics Letters, 2006, 88, 093501.	3.3	8
233	Low-loss subwavelength plastic fiber for terahertz waveguiding. Optics Letters, 2006, 31, 308.	3.3	301
234	Biomolecular imaging based on far-red fluorescent protein with a high two-photon excitation action cross section. Optics Letters, 2006, 31, 930.	3.3	34

#	ARTICLE	IF	CITATIONS
235	Soft-glass photonic-crystal fibers for frequency shifting and white-light spectral superbroadening of femtosecond Cr:forsterite laser pulses. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1471.	2.1	9
236	Optical signal degradation study in fixed human skin using confocal microscopy and higher-harmonic optical microscopy. Optics Express, 2006, 14, 749.	3.4	33
237	A simple terahertz spectrometer based on a low-reflectivity Fabry-Perot interferometer using Fourier transform spectroscopy. Optics Express, 2006, 14, 3840.	3.4	17
238	In vivo optical biopsy of hamster oral cavity with epi-third-harmonic-generation microscopy. Optics Express, 2006, 14, 6178.	3.4	87
239	Subwavelength plastic fiber for terahertz wave guiding. , 2006, , .		0
240	GHz repetition-rate femtosecond sources with desired repetition-rate and wavelength. , 2006, 6118, 97.		0
241	Highly nonlinear photonic-crystal fibers for the spectral transformation of Cr: forsterite laser pulses. Optics Communications, 2006, 267, 505-510.	2.1	5
242	Low-loss subwavelength THz plastic fibers. , 2006, , .		0
243	Nonlinear pulse-shaping phenomena of semiconductor saturable absorber mirror. Applied Physics Letters, 2006, 89, 231106.	3.3	12
244	Measuring plasmon-resonance enhanced third-harmonic $\ddot{\ddot{3}}$ (3) of Ag nanoparticles. Applied Physics Letters, 2006, 89, 043122.	3.3	39
245	Cr:Forsterite laser based beam-scanning multi-photon multi-harmonic endoscope with higher efficiencies. , 2006, , .		0
246	Two-dimensional nanoultrasonic imaging by using acoustic nanowaves. Applied Physics Letters, 2006, 89, 043106.	3.3	34
247	Characterizing the nanoacoustic superlattice in a phonon cavity using a piezoelectric single quantum well. Applied Physics Letters, 2006, 89, 143103.	3.3	17
248	Terahertz biochip for illicit drug detection. , 2006, , .		0
249	Propagation of sub-THz acoustic nano-pulses in water and ice. , 2006, , .		0
250	Spectral evidence on the plasmon-resonant enhanced third-harmonic $\&\#x03C7;$ <sup>(3)</sup> of Ag nanoparticles. , 2006, , .		0
251	Anharmonic decay of longitudinal coherent acoustic phonons in GaN : Confirmation of Herring&#x2019;s theory in the sub-THz regime. , 2006, , .		0
252	Compositional dependence of longitudinal sound velocities of piezoelectric (111) InxGa(1âˆ³x)As measured by picosecond ultrasonics. Journal of Applied Physics, 2006, 100, 103516.	2.5	9

#	ARTICLE	IF	CITATIONS
253	Transient wavefunction analysis of a phononic bandgap nano-crystal. , 2006, , .		0
254	Multi-Photon Scanning Microscopy Using a Femtosecond Cr:forsterite Laser. , 2006, , 162-177.		1
255	Terahertz biochip based on optoelectronic devices. , 2005, , .		1
256	Molecular imaging of cancer cells using plasmon-resonant-enhanced third-harmonic-generation microscopy with silver nanoparticles. , 2005, , .		0
257	Harmonics optical biopsy of human skin. , 2005, , .		0
258	In vivo two-photon fluorescence imaging with Cr:forsterite lasers using transgenic lines tagged by HcRed. , 2005, 5700, 265.		0
259	Higher Harmonic Generation Microscopy. Advances in Biochemical Engineering/Biotechnology, 2005, 95, 17-56.	1.1	42
260	Long-term in vivo study of vertebrate embryonic development using noninvasive harmonics optical microscopy. , 2005, , .		0
261	Generation, detection, and propagation of nano-acoustic waves in piezoelectric semiconductors (Invited Paper). , 2005, , .		0
262	High-resolution simultaneous three-photon fluorescence and third-harmonic-generation microscopy. Microscopy Research and Technique, 2005, 66, 193-197.	2.2	53
263	Two-photon fluorescence microscope with a hollow-core photonic crystal fiber. , 2005, 5691, 146.		3
264	Generation of picosecond acoustic pulses using a p-n junction with piezoelectric effects. Applied Physics Letters, 2005, 86, 093110.	3.3	35
265	Noninvasive multi-modality nonlinear imaging of heart development using transgenic zebrafish lines tagged with Hc-red fluorescence proteins. , 2005, , .		0
266	Generation of frequency-tunable nanoacoustic waves by optical coherent control. Applied Physics Letters, 2005, 87, 093114.	3.3	23
267	2GHz repetition-rate femtosecond blue sources by second harmonic generation in a resonantly enhanced cavity. Applied Physics Letters, 2005, 86, 061112.	3.3	7
268	Ultrafast carrier dynamics in ZnO nanorods. Applied Physics Letters, 2005, 87, 023106.	3.3	59
269	Compact fiber-delivered Cr:forsterite laser for nonlinear light microscopy. Journal of Biomedical Optics, 2005, 10, 054006.	2.6	20
270	Photonic crystal fiber based two-photon-fluorescence microscopy systems at 0.8/spl mu/m and 1.3/spl mu/m wavelength regimes. , 2005, , .		0



#	ARTICLE	IF	CITATIONS
271	Broadband-response and frequency-tunable terahertz photonic transmitters with high efficiency. , 2005, , .		1
272	Origins of backward second-harmonic-generation emission in a biological sample examined by laser scanning microscopes. , 2005, , .		0
273	Optical piezoelectric transducer for nano-ultrasonics. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 1404-1414.	3.0	31
274	Multiplying the repetition rate of passive mode-locked femtosecond lasers by an intracavity flat surface with low reflectivity. , 2005, , .		0
275	Optical biopsy of fixed human skin with backward-collected optical harmonics signals. Optics Express, 2005, 13, 8231.	3.4	70
276	Multiplying the repetition rate of passive mode-locked femtosecond lasers by an intracavity flat surface with low reflectivity. Optics Letters, 2005, 30, 439.	3.3	10
277	Simultaneous four-photon luminescence, third-harmonic generation, and second-harmonic generation microscopy of GaN. Optics Letters, 2005, 30, 2463.	3.3	14
278	Separated-transport-recombination p-i-n photodiode for high-speed and high-power performance. IEEE Photonics Technology Letters, 2005, 17, 1722-1724.	2.5	20
279	Optoelectronic-based high-efficiency quasi-CW terahertz imaging. IEEE Photonics Technology Letters, 2005, 17, 2406-2408.	2.5	10
280	Transmission of light through quantum heterostructures modulated by coherent acoustic phonons. Journal of Applied Physics, 2004, 95, 1114-1121.	2.5	42
281	Ultrafast valence intersubband hole relaxation in InGaN multiple-quantum-well laser diodes. Applied Physics Letters, 2004, 84, 4675-4677.	3.3	20
282	Reflection property of nano-acoustic wave at the airâ•GaN interface. Applied Physics Letters, 2004, 85, 4735-4737.	3.3	14
283	Traveling-Wave Photodetectors With High Powerâ€•Bandwidth and Gainâ€•Bandwidth Product Performance. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 728-741.	2.9	9
284	Generation of coherent acoustic phonons in GaN-based p-n junction. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 2662-2665.	0.8	0
285	A 650 GHz photonic transmitter design using CPW-fed slot antenna. , 2004, , .		0
286	Nonlinear Behaviors of Low-Temperature-Grown GaAs-Based Photodetectors Around 1.3- $\mu\text{m}$ Telecommunication Wavelength. IEEE Photonics Technology Letters, 2004, 16, 242-244.	2.5	5
287	Device Saturation Behavior of Submillimeter-Wave Membrane Photonic Transmitters. IEEE Photonics Technology Letters, 2004, 16, 873-875.	2.5	15
288	Studies of $\beta(2)/\beta(3)$ Tensors in Submicron-Scaled Bio-Tissues by Polarization Harmonics Optical Microscopy. Biophysical Journal, 2004, 86, 3914-3922.	0.5	177

#	ARTICLE	IF	CITATIONS
289	Terahertz electron distribution modulation in piezoelectric $\text{In}_x\text{Ga}_{1-x}\text{N}$ multiple quantum wells using coherent acoustic nanowaves. <i>Physical Review B</i> , 2004, 70, .	3.2	19
290	Higher harmonic generation microscopy for developmental biology. <i>Journal of Structural Biology</i> , 2004, 147, 19-30.	2.8	179
291	Two-photon fluorescence microscope with a hollow-core photonic crystal fiber. <i>Optics Express</i> , 2004, 12, 6122.	3.4	58
292	Resonance-enhanced functional third harmonic optical microscopy. , 2004, , .		1
293	Nano-ultrasonics: science and technology. , 2004, 5352, 101.		2
294	Coherent phonons, nanoseismology and THz radiation in $\text{InGaN}/\text{GaN}$ heterostructures. <i>Superlattices and Microstructures</i> , 2003, 34, 525-529.	3.1	20
295	Multiharmonic-generation biopsy of skin. <i>Optics Letters</i> , 2003, 28, 2488.	3.3	88
296	Real-time second-harmonic-generation microscopy based on a 2-GHz repetition rate Ti:sapphire laser. <i>Optics Express</i> , 2003, 11, 933.	3.4	107
297	In vivo developmental biology study using noninvasive multi-harmonic generation microscopy. <i>Optics Express</i> , 2003, 11, 3093.	3.4	174
298	Observation of huge nonlinear absorption enhancement near exciton resonance in GaN. <i>Applied Physics Letters</i> , 2003, 83, 3087-3089.	3.3	17
299	Tera-hertz acousto-electric modulation in piezoelectric $\text{InGaN}/\text{GaN}$ quantum wells using nano acoustic waves. , 2003, , .		0
300	Observation of huge nonlinear absorption enhancement near exciton resonance in GaN. , 2003, , .		1
301	Nano-acoustic waveform synthesis and second harmonic generation of coherent acoustic phonon oscillations using optical coherent control. , 2003, , .		0
302	Electron relaxation and transport dynamics in low-temperature-grown GaAs under 1 eV optical excitation. <i>Applied Physics Letters</i> , 2003, 83, 911-913.	3.3	6
303	Spectral analysis of high-harmonic coherent acoustic phonons in piezoelectric semiconductor multiple quantum wells. <i>Physical Review B</i> , 2003, 67, .	3.2	28
304	Real-time SHG imaging technique based on a 2-GHz repetition rate femtosecond Ti:sapphire laser. , 2003, , .		0
305	Generation of coherent acoustic phonons in piezoelectric semiconductor heterostructures. , 2003, 4992, 226.		4
306	Triple-optical autocorrelation for direct optical pulse-shape measurement. <i>Applied Physics Letters</i> , 2002, 81, 1402-1404.	3.3	12

#	ARTICLE	IF	CITATIONS
307	Ultrahigh power-bandwidth-product performance of low-temperature-grown-GaAs based metal-semiconductor-metal traveling-wave photodetectors. Applied Physics Letters, 2002, 80, 4054-4056.	3.3	22
308	Edge-coupled membrane terahertz photonic transmitters based on metal-semiconductor-metal traveling-wave photodetectors. Applied Physics Letters, 2002, 81, 5108-5110.	3.3	18
309	<title>Biological photonic crystals revealed by multimodality nonlinear microscopy</title>. , 2002, 4620, 166.		0
310	Realization of phonon laser with femtosecond technology. , 2002, 4643, 199.		0
311	Coherent acoustic phonons in GaN and GaN/InGaN heterostructures. , 2002, , .		3
312	Theory and design of a tapered line distributed photodetector. Journal of Lightwave Technology, 2002, 20, 1942-1950.	4.6	7
313	High-speed and high-power performances of LTC-GaAs based metal-semiconductor-metal traveling-wave-photodetectors in 1.3- $\mu\text{m}$ wavelength regime. IEEE Photonics Technology Letters, 2002, 14, 363-365.	2.5	25
314	Ultrahigh-power-bandwidth product and nonlinear photoconductance performances of low-temperature-grown GaAs-based metal-semiconductor-metal traveling-wave photodetectors. IEEE Photonics Technology Letters, 2002, 14, 1587-1589.	2.5	25
315	Characterization of ultrashort optical pulses with third-harmonic-generation based triple autocorrelation. IEEE Journal of Quantum Electronics, 2002, 38, 1529-1535.	1.9	4
316	Locked multichannel generation and management by use of a Fabry-Perot etalon in a mode-locked Cr:forsterite laser cavity. IEEE Journal of Quantum Electronics, 2002, 38, 458-463.	1.9	6
317	Femtosecond dynamics of exciton bleaching in bulk GaN at room temperature. Applied Physics Letters, 2002, 81, 85-87.	3.3	13
318	Nonlinear bio-photonic crystal effects revealed with multimodal nonlinear microscopy. Journal of Microscopy, 2002, 208, 190-200.	1.8	89
319	Ultrashort hole capture time in Mg-doped GaN thin films. Applied Physics Letters, 2002, 81, 3975-3977.	3.3	13
320	Title is missing!. Optical and Quantum Electronics, 2002, 34, 1251-1266.	3.3	89
321	Metal-semiconductor-metal traveling-wave photodetectors. IEEE Photonics Technology Letters, 2001, 13, 623-625.	2.5	59
322	Coherent optical control of acoustic phonon oscillations in InGaN/GaN multiple quantum wells. Applied Physics Letters, 2001, 78, 1201-1203.	3.3	40
323	Generation of coherent acoustic phonons in strained GaN thin films. Applied Physics Letters, 2001, 79, 3361-3363.	3.3	35
324	Simultaneous multiwavelength generation from a mode-locked all-solid-state Cr:forsterite laser. Optics Letters, 2001, 26, 834.	3.3	5

#	ARTICLE	IF	CITATIONS
325	Multimodal nonlinear spectral microscopy based on a femtosecond Cr:forsterite laser. Optics Letters, 2001, 26, 1909.	3.3	181
326	Intracavity frequency-doubled femtosecond Cr <sup>4+</sup> :forsterite laser. Applied Optics, 2001, 40, 1957.	2.1	8
327	Femtosecond all-solid-state orange laser. , 2001, , .		0
328	Bias dependent nonlinear responses of LTG-GaAs based p-i-n/n-i-n traveling-wave photodetectors under long wavelength excitation. , 2001, , .		1
329	Direct temporal intensity measurement of ultrashort optical pulses using third-harmonic-generation based triple correlation. , 2001, , .		1
330	Observation of giant ambipolar diffusion coefficient in thick InGaN/GaN multiple-quantum-wells. , 2001, , .		0
331	Non-linear Spectral Microscopy-Multi-Photon FI, SHG and THG. Microscopy and Microanalysis, 2001, 7, 1026-1027.	0.4	0
332	<title>Femtosecond carrier dynamics in GaN</title>. , 2001, 4280, 1.		0
333	Simultaneous multi-wavelength generation from a modelocked all-solid-state Cr:forsterite laser. , 2001, , .		0
334	Piezoelectric-field-enhanced lateral ambipolar diffusion coefficient in InGaN/GaN multiple quantum wells. Applied Physics Letters, 2001, 78, 928-930.	3.3	9
335	Ultrahigh bandwidth MSM traveling-wave photodetectors. , 2001, , .		0
336	Studies of carrier dynamics in unintentionally doped gallium nitride bandtail states. Applied Physics Letters, 2001, 78, 2724-2726.	3.3	17
337	Mapping piezoelectricâ€field distribution in gallium nitride with scanning secondâ€harmonic generation microscopy. Scanning, 2001, 23, 182-192.	1.5	22
338	Multiphoton confocal microscopy using a femtosecond Cr:Forsterite laser. Scanning, 2001, 23, 249-254.	1.5	42
339	The influence of surfaces and interfaces on coherent phonons in semiconductors. Superlattices and Microstructures, 2000, 27, 593-596.	3.1	1
340	Carrierâ€carrier scattering: an experimental comparison of 5 and 3nm Al <sub>x</sub> Ga <sub>1-x</sub> As/GaAs quantum wells. Solid State Communications, 2000, 115, 329-333.	1.9	1
341	Large near resonance third order nonlinearity in GaN. Optical and Quantum Electronics, 2000, 32, 619-640.	3.3	15
342	Two-photon absorption study of GaN. Applied Physics Letters, 2000, 76, 439-441.	3.3	97

#	ARTICLE	IF	CITATIONS
343	Mapping piezoelectric field distribution in InGaN/GaN multiple-quantum-wells by scanning second-harmonic-generation microscopy. , 2000, , .		0
344	Nonlinear saturation behaviors of high-speed p-i-n photodetectors. Journal of Lightwave Technology, 2000, 18, 203-212.	4.6	58
345	Design and analysis of long absorption-length traveling-wave photodetectors. Journal of Lightwave Technology, 2000, 18, 2176-2187.	4.6	30
346	Scanning second-harmonic/third-harmonic generation microscopy of gallium nitride. Applied Physics Letters, 2000, 77, 2331-2333.	3.3	63
347	Coherent Acoustic Phonon Oscillations in Semiconductor Multiple Quantum Wells with Piezoelectric Fields. Physical Review Letters, 2000, 84, 179-182.	7.8	231
348	Femtosecond Z-scan measurement of GaN. Applied Physics Letters, 1999, 75, 3524-3526.	3.3	49
349	Large coherent acoustic-phonon oscillation observed in InGaN/GaN multiple-quantum wells. Applied Physics Letters, 1999, 75, 1249-1251.	3.3	44
350	Ultrafast carrier-carrier scattering in Al <sub>x</sub> Ga <sub>1-x</sub> As/GaAs quantum wells. Physica B: Condensed Matter, 1999, 272, 387-390.	2.7	7
351	Ultrafast transport dynamics of p-i-n photodetectors under high-power illumination. IEEE Photonics Technology Letters, 1998, 10, 135-137.	2.5	27
352	Well-width dependent studies of InGaN-GaN single-quantum wells using time-resolved photoluminescence techniques. IEEE Journal of Selected Topics in Quantum Electronics, 1997, 3, 731-738.	2.9	21
353	Carrier-carrier scattering in the gain dynamics of In <sub>x</sub> Ga <sub>1-x</sub> As/Al <sub>y</sub> Ga <sub>1-y</sub> As diode lasers. Physical Review B, 1996, 54, 8005-8020.	3.2	8
354	Optical investigations of the dynamic behavior of GaSb/GaAs quantum dots. Applied Physics Letters, 1996, 68, 1543-1545.	3.3	157
355	Radiative recombination lifetime measurements of InGaN single quantum well. Applied Physics Letters, 1996, 69, 1936-1938.	3.3	78
356	Theory of carrier gain dynamics in InGaAs/AlGaAs strained-layer single-quantum-well diode lasers. Superlattices and Microstructures, 1995, 17, 355.	3.1	0
357	Heterodyne nondegenerate pump-probe measurement technique for guided-wave devices. Optics Letters, 1995, 20, 210.	3.3	13
358	120-GHz long-wavelength low-capacitance photodetector with an air-bridged coplanar metal waveguide. IEEE Photonics Technology Letters, 1995, 7, 1477-1479.	2.5	34
359	Femtosecond investigations of spectral hole burning in semiconductor lasers. Applied Physics Letters, 1995, 66, 1650-1652.	3.3	18
360	Carrier-gain dynamics in In <sub>x</sub> Ga <sub>1-x</sub> As/Al <sub>y</sub> Ga <sub>1-y</sub> As strained-layer single-quantum-well diode lasers: Comparison of theory and experiment. Physical Review B, 1994, 50, 8539-8558.	3.2	16

#	ARTICLE	IF	CITATIONS
361	Femtosecond-tunable measurement of electron thermalization in gold. Physical Review B, 1994, 50, 15337-15348.	3.2	603
362	Femtosecond investigation of electron thermalization in gold. Physical Review B, 1993, 48, 12365-12368.	3.2	229
363	Studies of carrier heating in InGaAs/AlGaAs strained-layer quantum well diode lasers using a multiple wavelength pump probe technique. Applied Physics Letters, 1993, 62, 747-749.	3.3	39
364	Femtosecond gain dynamics in InGaAs/AlGaAs strained-layer single-quantum-well diode lasers. Applied Physics Letters, 1993, 63, 96-98.	3.3	24
365	Direct backward-emitted third-harmonic generation and its application to clinical microscopy. , 0, , .		0
366	Multi-harmonic generation biopsy of skin. , 0, , .		0
367	Time Resolved Studies Of InGaN. , 0, , .		0
368	Two-photon photoluminescence and current images of bulk GaN and InGaN green LEDs. , 0, , .		0
369	Ultrafast carrier dynamics in GaN bandtail states. , 0, , .		0
370	GaN characterizations using femtosecond optical pulses. , 0, , .		1
371	Huge coherent acoustic phonon oscillation induced by piezoelectric field in InGaN/GaN multiple-quantum-wells. , 0, , .		0
372	Metal-semiconductor-metal travelling wave-photodetectors. , 0, , .		1
373	Electron trapping time versus annealing temperature in low temperature grown GaAs. , 0, , .		1
374	Cell manipulation by using diamond micro-particles as handles for laser tweezers. , 0, , .		0
375	Multi-photon confocal microscopy by using a femtosecond Cr forsterite laser. , 0, , .		0
376	Third harmonic generation microscopy of GaN. , 0, , .		0
377	Ultra-high bandwidth (570 GHz) metal-semiconductor-metal traveling-wave-photodetectors. , 0, , .		0
378	Self-aligned MSM low-temperature-grown GaAs traveling wave photodetector for 810 nm and 1230 nm. , 0, , .		0

#	ARTICLE	IF	CITATIONS
379	High power performance of ultrahigh bandwidth MSM TWPDs. , 0, , .		1
380	Taper line distributed photodetector. , 0, , .		1
381	Observation of coherent acoustic phonon oscillations in bulk gallium nitride. , 0, , .		0
382	Wavelength dependent damage in biological multi-photon microscopy: Ti:sapphire vs. Cr:forsterite lasers. , 0, , .		0
383	3-dimensional electric field visualization utilizing electric-field-induced-second harmonic-generation in liquid crystals. , 0, , .		1
384	Observation of coherent acoustic phonon lasing in InGaN/GaN MQWs. , 0, , .		0
385	Metal-semiconductor-metal traveling wave photodetectors. , 0, , .		2
386	Bleaching dynamics of resonantly excited excitons in GaN thin films at room temperature. , 0, , .		0
387	Nonlinear behaviors of LTC-GaAs based MSM TWPDs under telecommunication wavelength excitation. , 0, , .		0
388	THG-based third order autocorrelation for direct optical pulse-shape measurement on mode-locked Ti:sapphire lasers. , 0, , .		0
389	Biophotonic crystal effects in multi-modal nonlinear microscopy. , 0, , .		0
390	THz MSM traveling-wave photodetectors for communications and imaging. , 0, , .		0
391	Mapping 3D electric fields using electric field induced second harmonic generation in LiNbO <sub>3</sub> crystals. , 0, , .		0
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395	Femtosecond carrier dynamics in InGaAsN single quantum well. , 0, , .		0
396	Two-photon optical beam induced current imaging of indium gallium nitride blue leds. , 0, , .		0

#	ARTICLE	IF	CITATIONS
397	Non-invasiveness, high cell viability, and high penetration of multi-harmonic generation microscopy. , 0, , .		0
398	Bandwidth analysis of third-harmonic generation in optical thin films. , 0, , .		0
399	Characterization of ultrashort optical pulses: a comparison between toad and frog. , 0, , .		0
400	Femtosecond carrier dynamics in InGaN multiple-quantum-well laser diodes under high injection levels. , 0, , .		0
401	Optical coherence tomography and optical time-domain reflectometry utilizing white light emitting diodes. , 0, , .		0
402	Generation of Coherent Acoustic Phonons in Nitride-Based Semiconductor Nanostructures. Topics in Applied Physics, 0, , 339-394.	0.8	20
403	Terahertz Fourier transform spectrometer based on a low-reflectivity Fabry-Perot interferometer. , 0, , .		0
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405	Design of Rampart Slot Array Antenna in Integrated 850GHz Photonic Transmitter. , 0, , .		0
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