

Takeshi Yasui

List of Publications by Year in descending order

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Version: 2024-02-01

252
papers

5,778
citations

76196

40
h-index

82410

72
g-index

256
all docs

256
docs citations

256
times ranked

4080
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal control of a Kerr microresonator soliton comb via an optical sideband. <i>Optics Letters</i> , 2022, 47, 281.	1.7	25
2	Ultralow-frequency ultranarrow-bandwidth coherent terahertz imaging for nondestructive testing of mortar material. <i>Optics Express</i> , 2022, 30, 4392.	1.7	5
3	Ultrasensitive detection of SARS-CoV-2 nucleocapsid protein using large gold nanoparticle-enhanced surface plasmon resonance. <i>Scientific Reports</i> , 2022, 12, 1060.	1.6	49
4	Co-Catalyzed atom transfer radical addition of bromodifluoroacetamides, expanding the scope of radical difluoroalkylation. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 2867-2872.	1.5	2
5	Beam-angle-scanning surface plasmon resonance sensor for rapid, high-precision sensing of refractive index and bio-molecules. , 2022, 1, 565.		2
6	Development of novel potent ligands for <scp>GPR85</scp>, an orphan G proteinâ€coupled receptor expressed in the brain. <i>Genes To Cells</i> , 2022, 27, 345-355.	0.5	4
7	Assessment of Ultra-Early-Stage Liver Fibrosis in Human Non-Alcoholic Fatty Liver Disease by Second-Harmonic Generation Microscopy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3357.	1.8	3
8	Full-field fluorescence lifetime dual-comb microscopy using spectral mapping and frequency multiplexing of dual-comb optical beats. <i>Science Advances</i> , 2021, 7, .	4.7	14
9	Application of Refractive-index-sensing Optical Frequency Comb for Biosensing of Antigen-antibody Reaction. , 2021, , .		1
10	Computationally image-corrected dual-comb microscopy with a free-running single-cavity dual-comb fiber laser. <i>Optics Express</i> , 2021, 29, 5018.	1.7	7
11	Hybrid optical imaging with near-infrared, mid-infrared, and terahertz wavelengths for nondestructive inspection [Invited]. <i>Applied Optics</i> , 2021, 60, B100.	0.9	1
12	Quantitative evaluation of SARS-CoV-2 inactivation using a deep ultraviolet light-emitting diode. <i>Scientific Reports</i> , 2021, 11, 5070.	1.6	56
13	Multicascade-linked synthetic-wavelength digital holography using a line-by-line spectral-shaped optical frequency comb. <i>Optics Express</i> , 2021, 29, 15772.	1.7	2
14	Quantitative Evaluation of Both Histological and Mechanical Recovery in Injured Tendons Using Fourier-Transform Second-Harmonic-Generation Microscopy. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-8.	1.9	2
15	Frequency-scanned microresonator soliton comb with tracking of the frequency of all comb modes. <i>Optics Letters</i> , 2021, 46, 3400.	1.7	6
16	Highly Enantioselective [2+2+2] Cycloaddition of Enediyne Enabled by Cobalt/Organophotoredox Cooperative Catalysis. <i>ACS Catalysis</i> , 2021, 11, 9479-9484.	5.5	16
17	Characteristics of nonlinear terahertz-wave radiation generated by mid-infrared femtosecond pulse laser excitation. <i>Applied Physics Express</i> , 2021, 14, 092004.	1.1	4
18	Inactivation of SARS-CoV-2 by deep ultraviolet light emitting diode: A review. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 090501.	0.8	8

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19	Catalyst-Free C _{sp} ² -C _{sp} ³ Cross-Coupling of Bromodifluoroacetamides with Iodoalkynes under Visible-Light Irradiation. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4932.	2.1	6
20	Cobalt/Organophotoredox Dual-Catalysis-Enabled Cascade Cyclization of 1,6-Diynyl Esters via Formal 1,8-Acyloxy Migration. <i>ACS Catalysis</i> , 2021, 11, 11716-11722.	5.5	13
21	Synthesis of A type benzothiazole-pyridinium salt composite and its application as photo-degradation agent for amyloid fibrils. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 50, 128324.	1.0	0
22	Phase noise reduction of a dissipative Kerr-microresonator soliton comb by a sideband cooling. , 2021, , .		0
23	Palladium-Catalyzed [3+2] and [2+2+2] Annulations of Iodoquinolones with Activated Alkynes through Selective C-H Activation. <i>Chemistry - A European Journal</i> , 2020, 26, 3749-3757.	1.7	6
24	Rhodium-catalyzed cycloisomerization of ester-tethered 1,6-diynes with cyclopropanol moiety leading to tetralone/exocyclic diene hybrid molecules. <i>Chemical Communications</i> , 2020, 56, 12865-12868.	2.2	13
25	Molecular imaging analysis of microvesicular and macrovesicular lipid droplets in non-alcoholic fatty liver disease by Raman microscopy. <i>Scientific Reports</i> , 2020, 10, 18548.	1.6	24
26	Optical image amplification in dual-comb microscopy. <i>Scientific Reports</i> , 2020, 10, 8338.	1.6	6
27	Adaptive-sampling near-Doppler-limited terahertz dual-comb spectroscopy with a free-running single-cavity fiber laser. <i>Advanced Photonics</i> , 2020, 2, 1.	6.2	38
28	Investigation of the phase noise of a microresonator soliton comb. <i>Optics Express</i> , 2020, 28, 19295.	1.7	23
29	Intra-cavity biosensing in refractive-index-sensing optical comb. , 2020, , .		0
30	Dynamic characterization of polarization property in liquid-crystal-on-silicon spatial light modulator using dual-comb spectroscopic polarimetry. <i>Optics Express</i> , 2020, 28, 23584.	1.7	2
31	Generation of a microresonator soliton comb via current modulation of a DFB laser. <i>OSA Continuum</i> , 2020, 3, 3218.	1.8	2
32	Photonic-Crystal-Fiber-Coupled, Hand-Held, Polarization-Resolved Second-Harmonic-Generation Microscope for <i>In Vivo</i> Visualization of Dermal Collagen Fibers in Human Skin. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-7.	1.9	4
33	Novel Pure α -Integrin Antagonists That Do Not Induce Receptor Extension, Prime the Receptor, or Enhance Angiogenesis at Low Concentrations. <i>ACS Pharmacology and Translational Science</i> , 2019, 2, 387-401.	2.5	21
34	Combination of Adaptive Sampling Terahertz Dual-Comb Spectroscopy with a Free-Running Single-Cavity Dual-Comb Fiber Laser. , 2019, , .		0
35	Application of Scan-less Two-Dimensional Confocal Microscopy Based on a Combination of Confocal Slit With Wavelength/Space Conversion. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-7.	1.9	1
36	Improvement of dynamic range and repeatability in a refractive-index-sensing optical comb by combining saturable-absorber-mirror mode-locking with an intracavity multimode interference fiber sensor. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 060912.	0.8	10

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37	Synthesis of (Difluoromethyl)cycloalkenes from 2-Cycloalkenones by Utilizing Phospha-Brook Rearrangement. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3739-3743.	2.1	13
38	Scan-Less, Kilo-Pixel, Line-Field Confocal Phase Imaging with Spectrally Encoded Dual-Comb Microscopy. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-8.	1.9	1
39	Texture analysis of second-harmonic-generation images for quantitative analysis of reticular dermal collagen fibre in vivo in human facial cheek skin. <i>Experimental Dermatology</i> , 2019, 28, 899-905.	1.4	13
40	Quantitative in situ time-series evaluation of osteoblastic collagen synthesis under cyclic strain using second-harmonic-generation microscopy. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	1.4	5
41	Adaptive Sampling Terahertz Dual-Comb Spectroscopy Based on a Free-Running Single-Cavity Dual-Comb Fiber Laser. , 2019, , .		1
42	Refractive index sensing with temperature compensation by a multimode-interference fiber-based optical frequency comb sensing cavity. <i>Optics Express</i> , 2019, 27, 21463.	1.7	19
43	Visualization of internal structure and internal stress in visibly opaque objects using full-field phase-shifting terahertz digital holography. <i>Optics Express</i> , 2019, 27, 33854.	1.7	8
44	Ultrasonic wave sensing using an optical-frequency-comb sensing cavity for photoacoustic imaging. <i>OSA Continuum</i> , 2019, 2, 439.	1.8	6
45	Lock-in-detection dual-comb spectroscopy. <i>OSA Continuum</i> , 2019, 2, 1998.	1.8	5
46	Synthesis of ^{13}C -Difluoromethylated Tetronate Derivatives from Squarates Using Difluoromethylphosphonate. <i>Heterocycles</i> , 2019, 99, 363.	0.4	2
47	Comb-Line-Resolved High-Resolution Terahertz Time-domain Spectroscopy Based on a Simple Fiber Laser. , 2019, , .		0
48	Lens-less fiber coupling of a 1550-nm mode-locked fiber laser light on a low-temperature-grown GaAs photoconductive antenna. <i>OSA Continuum</i> , 2019, 2, 1310.	1.8	0
49	Wide axial dynamic range digital holography using multicascade-linked synthetic wavelengths and optical wavelength. , 2019, , .		0
50	Combined Experimental and Computational Study on Catalytic Cyclocoupling of Epoxides and CO ₂ Using Porphyrin-Based Cu(II) Metal-Organic Frameworks with 2D Coordination Networks. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 383-390.	2.0	5
51	Multi-object investigation using two-wavelength phase-shift interferometry guided by an optical frequency comb. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	14
52	Real-Time Amplitude and Phase Imaging of Optically Opaque Objects by Combining Full-Field Off-Axis Terahertz Digital Holography with Angular Spectrum Reconstruction. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018, 39, 561-572.	1.2	22
53	The vinylogous Catellani reaction: a combined computational and experimental study. <i>Chemical Science</i> , 2018, 9, 1191-1199.	3.7	36
54	Analysis of the influence of collagen fibres in the dermis on skin optical reflectance by Monte Carlo simulation in a nine-layered skin model. <i>Skin Research and Technology</i> , 2018, 24, 248-255.	0.8	11

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55	Strain sensing based on strain to radio-frequency conversion of optical frequency comb. Optics Express, 2018, 26, 9484.	1.7	20
56	Scan-less confocal phase imaging based on dual-comb microscopy. Optica, 2018, 5, 634.	4.8	70
57	Refractive-index-sensing optical comb based on photonic radio-frequency conversion with intracavity multi-mode interference fiber sensor. Optics Express, 2018, 26, 19694.	1.7	30
58	Dual terahertz comb spectroscopy with a single free-running fibre laser. Scientific Reports, 2018, 8, 11155.	1.6	39
59	Polarization-resolved second-harmonic-generation imaging of dermal collagen fiber in prewrinkled and wrinkled skins of ultraviolet-B-exposed mouse. Journal of Biomedical Optics, 2018, 24, 1.	1.4	9
60	Multicascade-linked synthetic wavelength digital holography using an optical-comb-referenced frequency synthesizer. Optics Express, 2018, 26, 26292.	1.7	16
61	Two-dimensional auto-correlation analysis and Fourier-transform analysis of second-harmonic-generation image for quantitative analysis of collagen fiber in human facial skin. , 2018, , .		0
62	In vivo visualization of dermal collagen fibers in human skin using a photonic-crystal-fiber-coupled, hand-held second-harmonic-generation microscope. , 2018, , .		0
63	Quantitative evaluation of healing degree in injured tendons based on orientation analysis of collagen fibers by using Fourier-transform second-harmonic-generation microscopy and its relationship to mechanical property. , 2018, , .		0
64	In vivo time-series monitoring of dermal collagen fiber during skin burn healing using second-harmonic-generation microscopy. , 2018, , .		0
65	Interferometric Terahertz Wavefront Analysis. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-5.	1.9	0
66	Optical-frequency-comb based ultrasound sensor. , 2017, , .		5
67	Scanless confocal phase imaging with dual comb microscopy. , 2017, , .		1
68	Hyperspectral single-pixel imaging with dual optical combs. Proceedings of SPIE, 2017, , .	0.8	0
69	Measurement of absolute frequency of continuous-wave terahertz radiation in real time using a free-running, dual-wavelength mode-locked, erbium-doped fibre laser. Scientific Reports, 2017, 7, 42082.	1.6	50
70	Orientation analysis of collagen fibers in healing tendon by using second-harmonic-generation microscopy. , 2017, , .		0
71	In situ monitoring of collagen fibers in human skin using a photonic-crystal-fiber-coupled, hand-held, second-harmonic-generation microscope. Proceedings of SPIE, 2017, , .	0.8	1
72	Chiral Hypervalent Organoiodine-Catalyzed Enantioselective Oxidative Spirolactonization of Naphthol Derivatives. Journal of Organic Chemistry, 2017, 82, 11946-11953.	1.7	63

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73	Dual-comb spectroscopic ellipsometry. Nature Communications, 2017, 8, 610.	5.8	64
74	Discovery of a novel B-cell lymphoma 6 (BCL6) corepressor interaction inhibitor by utilizing structure-based drug design. Bioorganic and Medicinal Chemistry, 2017, 25, 4876-4886.	1.4	27
75	Direct Wavefront Measurement of Terahertz Pulses Using Two-Dimensional Electro-Optic Imaging. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 741-746.	2.0	9
76	Scan-less hyperspectral dual-comb single-pixel-imaging in both amplitude and phase. Optics Express, 2017, 25, 21947.	1.7	46
77	High brightness, low coherence, digital holographic microscopy for 3D visualization of an in-vitro sandwiched biological sample. Applied Optics, 2017, 56, F1.	2.1	12
78	Terahertz dual-comb spectroscopy with a free-running, dual-wavelength-comb fiber laser. , 2017, , .		2
79	Digital holography using multiple synthesized wavelengths cascaded by optical frequency synthesizer. , 2017, , .		1
80	Dead-band-free, real-time high-resolution microwave frequency measurement with a multi-comb laser. , 2017, , .		3
81	Off-axis digital holography in THz region. , 2017, , .		0
82	Development of confocal laser scanning microscopy by use of optical frequency comb. , 2017, , .		0
83	Dual-comb single-pixel imaging for scan-less hyperspectral imaging. , 2017, , .		0
84	Picometer-resolution dual-comb spectroscopy with a free-running fiber laser. Optics Express, 2016, 24, 21833.	1.7	195
85	Off-axis THz digital holography by use of THz quantum cascade laser and uncooled micro-bolometer array detector. , 2016, , .		0
86	Comparison of two methods for wavefront measurement of terahertz pulses combined with 2D electro-optic imaging. , 2016, , .		0
87	Gapless dual THz comb spectroscopy. , 2016, , .		0
88	Evaluation of the histological and mechanical features of tendon healing in a rabbit model with the use of second-harmonic-generation imaging and tensile testing. Bone and Joint Research, 2016, 5, 577-585.	1.3	9
89	Real-time absolute frequency measurement of CW-THz radiation using dual THz combs induced by a free-running, dual-wavelength, mode-locked fiber laser. , 2016, , .		0
90	Development of a wavefront sensor for terahertz pulses. Optics Express, 2016, 24, 5203.	1.7	21

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91	Real-Time Determination of Absolute Frequency in Continuous-Wave Terahertz Radiation with a Photocarrier Terahertz Frequency Comb Induced by an Unstabilized Femtosecond Laser. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 473-485.	1.2	2
92	In situ time-series monitoring of collagen fibers produced by standing-cultured osteoblasts using a second-harmonic-generation microscope. Applied Optics, 2016, 55, 3261.	0.9	9
93	Dynamic terahertz spectroscopy of gas molecules mixed with unwanted aerosol under atmospheric pressure using fibre-based asynchronous-optical-sampling terahertz time-domain spectroscopy. Scientific Reports, 2016, 6, 28114.	1.6	49
94	Single-pixel imaging by Hadamard transform and its application for hyperspectral imaging. Proceedings of SPIE, 2016, , .	0.8	3
95	Scan-Less Full-Field Confocal Microscopy by a Combination of Confocal Slit with Wavelength/Space Conversion. Journal of the Japan Society for Precision Engineering, 2016, 82, 679-682.	0.0	0
96	In situ quantitative evaluation of osteoblastic collagen synthesis under cyclic strain by using second-harmonic-generation microscope. , 2016, , .		0
97	Terahertz Frequency-Domain Spectroscopy of Low-Pressure Acetonitrile Gas by a Photomixing Terahertz Synthesizer Referenced to Dual Optical Frequency Combs. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 903-915.	1.2	16
98	One shot confocal microscopy based on wavelength/space conversion by use of multichannel spectrometer. , 2016, , .		0
99	Scan-less, line-field confocal microscopy by combination of wavelength/space conversion with dual optical comb. , 2016, , .		2
100	Broadband dual-comb spectroscopy with a polarization-multiplexed, dual-comb fiber laser. , 2016, , .		2
101	Multiple-synthesized-wavelengths digital holography using optical frequency synthesizer. , 2016, , .		0
102	Video-rate volume imaging confocal microscope based on wavelength / space conversion by use of multichannel spectrometer. , 2016, , .		0
103	Dual-comb Spectroscopy in the THz Region. , 2016, , .		0
104	Dual optical comb spectroscopy using modified adaptive sampling method. , 2015, , .		0
105	Digital holographic microscopy using partially coherent, instantaneously bright, femtosecond pulse light. , 2015, , .		0
106	Optical detection of micro defect by single-pixel imaging. , 2015, , .		0
107	Near-infrared broadband dual-frequency-comb spectroscopy with a resolution beyond the Fourier limit determined by the observation time window. Optics Express, 2015, 23, 33184.	1.7	26
108	Adaptive sampling dual terahertz comb spectroscopy using dual free-running femtosecond lasers. Scientific Reports, 2015, 5, 10786.	1.6	60

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109	Terahertz wavefront characterization using a Hartmann sensor combined with 2D electro-optic imaging. , 2015, , .		0
110	Adaptive sampling, terahertz dual comb spectroscopy using unstabilized dual lasers. , 2015, , .		0
111	Real-time absolute frequency measurement of CW-THz radiation based on a free-running THz comb. , 2015, , .		0
112	In situ visualization of collagen fiber produced by cultured osteoblasts using sensitive second-harmonic-generation microscopy equipped with a 10-fs mode-locked Ti:Sapphire laser. , 2015, , .		0
113	Off-axis terahertz digital holography using continuous-wave terahertz radiation. , 2015, , .		4
114	Compact probe head of second-harmonic-generation microscopy for dermatological applications. , 2015, , .		0
115	Wavefront measurement of terahertz pulses using a Hartmann sensor combined with 2D electro-optic imaging. , 2015, , .		0
116	Terahertz wavefront assessment based on 2D electro-optic imaging. Proceedings of SPIE, 2015, , .	0.8	1
117	In vivovisualization of collagen fiber produced by cultured osteoblasts using sensitive second-harmonic-generation microscopy equipped with a 10-fs mode-locked Ti:sapphire laser. , 2015, , .		0
118	Real-time absolute frequency measurement of continuous-wave terahertz radiation based on dual terahertz combs of photocarriers with different frequency spacings. Optics Express, 2015, 23, 11367.	1.7	31
119	Super-resolution discrete Fourier transform spectroscopy beyond time-window size limitation using precisely periodic pulsed radiation. Optica, 2015, 2, 460.	4.8	21
120	In situ visualization of dermal collagen dynamics during skin burn healing using second-harmonic-generation microscopy. Proceedings of SPIE, 2015, , .	0.8	0
121	Real-Time Absolute Frequency Measurement of CW-THz Wave Based on a Free-Running THz Comb. , 2015, , .		0
122	Adaptive Sampling Dual Comb Spectroscopy in Terahertz Region Using Unstabilized Dual Femtosecond Lasers. , 2015, , .		0
123	Discrete Fourier Transform Infrared Spectroscopy Using Precisely Periodic Pulse. , 2015, , .		0
124	Extraction of beat signal between dual THz combs using dual THz spectrum analyzers. , 2014, , .		0
125	Low-pressure gas spectroscopy using terahertz frequency synthesizer traceable to microwave frequency standard via dual optical comb. , 2014, , .		0
126	<i>In vivo</i>time-lapse imaging of skin burn wound healing using second-harmonic generation microscopy. Proceedings of SPIE, 2014, , .	0.8	4

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127	Motion-artifact-robust, polarization-resolved second-harmonic-generation microscopy based on rapid polarization switching with electro-optic Pockells cell and its application to in vivo visualization of collagen fiber orientation in human facial skin. Biomedical Optics Express, 2014, 5, 1099.	1.5	19
128	Phase-slope and phase measurements of tunable CW-THz radiation with terahertz comb for wide-dynamic-range, high-resolution, distance measurement of optically rough object. Optics Express, 2014, 22, 17349.	1.7	10
129	Double-modulation reflection-type terahertz ellipsometer for measuring the thickness of a thin paint coating. Optics Express, 2014, 22, 20595.	1.7	18
130	Scleral birefringence as measured by polarization-sensitive optical coherence tomography and ocular biometric parameters of human eyes in vivo. Biomedical Optics Express, 2014, 5, 1391.	1.5	33
131	CD10 as a novel marker of therapeutic resistance and cancer stem cells in head and neck squamous cell carcinoma. British Journal of Cancer, 2014, 111, 506-514.	2.9	79
132	Spectrally interleaved, comb-mode-resolved spectroscopy using swept dual terahertz combs. Scientific Reports, 2014, 4, 3816.	1.6	74
133	Terahertz Comb Spectroscopy Traceable to Microwave Frequency Standard. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 322-330.	2.0	39
134	Prediction of the Thickness of a Thin Paint Film by Applying a Modified Partial-Least-Squares-1 Method to Data Obtained in Terahertz Reflectometry. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 646-659.	1.2	11
135	Gapless THz comb spectroscopy. , 2013, , .		1
136	All-fiber-based, asynchronous-optical-sampling THz time-domain spectroscopy using dual mode-locked fiber lasers and fiber-coupled photoconductive antennae. , 2013, , .		0
137	Hydrogen Bonding and Alcohol Effects in Asymmetric Hypervalent Iodine Catalysis: Enantioselective Oxidative Dearomatization of Phenols. Angewandte Chemie - International Edition, 2013, 52, 9215-9218.	7.2	210
138	Fast polarization-resolved SHG microscopy for in vivo imaging of collagen orientation. , 2013, , .		0
139	Precise frequency measurement of continuous-wave terahertz radiation based on THz comb. , 2013, , .		0
140	Fast 3D computed tomography using intense terahertz pulses. , 2013, , .		0
141	In vivo imaging of dermal collagen in skin burn by collagen-sensitive second-harmonic-generation microscopy. Proceedings of SPIE, 2013, , .	0.8	0
142	Real-Time Two-Dimensional Spatiotemporal Terahertz Imaging Based on Noncollinear Free-Space Electrooptic Sampling and Application to Functional Terahertz Imaging of Moving Object. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 8600110-8600110.	1.9	4
143	THz frequency comb for precise frequency measurement of continuous-wave terahertz radiation. , 2013, , .		0
144	In vivo imaging of collagen fiber orientation with rapid polarization-resolved SHG microscopy. , 2013, , .		3

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145	Fast three-dimensional terahertz computed tomography using real-time line projection of intense terahertz pulse. Optics Express, 2013, 21, 2423.	1.7	58
146	In vivo visualization of dermal collagen fiber in skin burn by collagen-sensitive second-harmonic-generation microscopy. Journal of Biomedical Optics, 2013, 18, 1.	1.4	46
147	Terahertz frequency metrology based on frequency comb techniques. , 2013, , 436-463.		4
148	Anisotropic Alteration of Scleral Birefringence to Uniaxial Mechanical Strain. PLoS ONE, 2013, 8, e58716.	1.1	14
149	Visualization of Dermal Collagen Orientation with Polarization-Resolved Second-Harmonic-Generation Microscopy. The Review of Laser Engineering, 2013, 41, 601.	0.0	0
150	<i>In vivo</i> observation of age-related structural changes of dermal collagen in human facial skin using collagen-sensitive second harmonic generation microscope equipped with 1250-nm mode-locked Cr:Forsterite laser. Journal of Biomedical Optics, 2012, 18, 031108.	1.4	59
151	Enhancement of spectral resolution and accuracy in asynchronous-optical-sampling terahertz time-domain spectroscopy for low-pressure gas-phase analysis. Optics Express, 2012, 20, 15071.	1.7	35
152	Application of second-harmonic generation microscopy for in vivo observation of structural change in human dermal collagen fiber caused by aging and/or UV exposure. , 2012, , .		1
153	Frequency-swept asynchronous-optical-sampling THz time-domain spectroscopy. , 2012, , .		0
154	Generation of gapless terahertz frequency comb. , 2012, , .		0
155	Observation of Terahertz Frequency Comb and Application for Spectroscopy. The Review of Laser Engineering, 2012, 40, 513.	0.0	0
156	Evaluation of spectral resolution and accuracy in ASOPS THz time-domain spectroscopy. , 2011, , .		0
157	Observation of terahertz frequency comb by time-window-extended, asynchronous-optical-sampling THz-TDS. , 2011, , .		0
158	Widely and continuously tunable terahertz synthesizer traceable to a microwave frequency standard. Optics Express, 2011, 19, 4428.	1.7	28
159	Real-time line projection for fast terahertz spectral computed tomography. Optics Letters, 2011, 36, 2119.	1.7	27
160	Terahertz Frequency Metrology Based on Frequency Comb. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 191-201.	1.9	80
161	Fast terahertz computed tomography with continuously rotating objects. , 2011, , .		0
162	Widely tunable THz synthesizer. Applied Physics B: Lasers and Optics, 2011, 104, 763-768.	1.1	32

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163	In situ Generated (Hypo)iodite Catalysts for the Direct α -Oxyacylation of Carbonyl Compounds with Carboxylic Acids. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5331-5334.	7.2	325
164	THz color scanner for moving object. , 2011, , .		0
165	In vivo observation of skin burn using collagen-sensitive second-harmonic-generation microscopy. , 2011, , .		0
166	Enantioselective Kita Oxidative Spirolactonization Catalyzed by In situ Generated Chiral Hypervalent Iodine(III) Species. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2175-2177.	7.2	412
167	Chiral hypervalent iodine-catalyzed enantioselective oxidative Kita spirolactonization of 1-naphthol derivatives and one-pot diastereo-selective oxidation to epoxyspirolactones. <i>Tetrahedron</i> , 2010, 66, 5841-5851.	1.0	180
168	Continuously tunable, phase-locked, continuous-wave terahertz generator based on photomixing of two continuous-wave lasers locked to two independent optical combs. <i>Journal of Applied Physics</i> , 2010, 107, 033111.	1.1	12
169	Real-time terahertz color scanner. , 2010, , .		0
170	Absolute distance measurement of optically rough objects using asynchronous-optical-sampling terahertz impulse ranging. <i>Applied Optics</i> , 2010, 49, 5262.	2.1	25
171	Biomedical applications of a real-time terahertz color scanner. <i>Biomedical Optics Express</i> , 2010, 1, 354.	1.5	56
172	Fiber-based, hybrid terahertz spectrometer using dual fiber combs. <i>Optics Letters</i> , 2010, 35, 1689.	1.7	55
173	Quaternary Ammonium (Hypo)iodite Catalysis for Enantioselective Oxidative Cycloetherification. <i>Science</i> , 2010, 328, 1376-1379.	6.0	393
174	Accurate, continuously tunable, terahertz synthesizer based on photomixing of two continuous-wave lasers phase-locked to two independent fiber combs. , 2010, , .		0
175	Terahertz frequency metrology based on frequency comb techniques. , 2010, , .		0
176	10.1063/1.3305324.1. , 2010, , .		0
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