List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Enantioselective Kita Oxidative Spirolactonization Catalyzed by Inâ€Situ Generated Chiral Hypervalent Iodine(III) Species. Angewandte Chemie - International Edition, 2010, 49, 2175-2177.	13.8	412
2	Quaternary Ammonium (Hypo)iodite Catalysis for Enantioselective Oxidative Cycloetherification. Science, 2010, 328, 1376-1379.	12.6	393
3	Inâ€Situ Generated (Hypo)Iodite Catalysts for the Direct αâ€Oxyacylation of Carbonyl Compounds with Carboxylic Acids. Angewandte Chemie - International Edition, 2011, 50, 5331-5334.	13.8	325
4	Terahertz paintmeter for noncontact monitoring of thickness and drying progress in paint film. Applied Optics, 2005, 44, 6849.	2.1	228
5	Asynchronous optical sampling terahertz time-domain spectroscopy for ultrahigh spectral resolution and rapid data acquisition. Applied Physics Letters, 2005, 87, 061101.	3.3	214
6	Hydrogen Bonding and Alcohol Effects in Asymmetric Hypervalent Iodine Catalysis: Enantioselective Oxidative Dearomatization of Phenols. Angewandte Chemie - International Edition, 2013, 52, 9215-9218.	13.8	210
7	Picometer-resolution dual-comb spectroscopy with a free-running fiber laser. Optics Express, 2016, 24, 21833.	3.4	195
8	Terahertz frequency comb by multifrequency-heterodyning photoconductive detection for high-accuracy, high-resolution terahertz spectroscopy. Applied Physics Letters, 2006, 88, 241104.	3.3	187
9	Chiral hypervalent iodine-catalyzed enantioselective oxidative Kita spirolactonization of 1-naphthol derivatives and one-pot diastereo-selective oxidation to epoxyspirolactones. Tetrahedron, 2010, 66, 5841-5851.	1.9	180
10	Characterization of collagen orientation in human dermis by two-dimensional second-harmonic-generation polarimetry. Journal of Biomedical Optics, 2004, 9, 259.	2.6	129
11	Real-time terahertz color scanner for moving objects. Optics Express, 2008, 16, 1208.	3.4	108
12	Terahertz spectrum analyzer based on a terahertz frequency comb. Optics Express, 2008, 16, 13052.	3.4	107
13	Automatic characterization and segmentation of human skin using three-dimensional optical coherence tomography. Optics Express, 2006, 14, 1862.	3.4	89
14	Determination of collagen fiber orientation in human tissue by use of polarization measurement of molecular second-harmonic-generation light. Applied Optics, 2004, 43, 2861.	2.1	88
15	Real-time two-dimensional terahertz tomography of moving objects. Optics Communications, 2006, 267, 128-136.	2.1	84
16	Terahertz Frequency Metrology Based on Frequency Comb. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 191-201.	2.9	80
17	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.	6.4	79
18	Spectrally interleaved, comb-mode-resolved spectroscopy using swept dual terahertz combs. Scientific Reports, 2014, 4, 3816.	3.3	74

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19	Hypervalent iodine-catalyzed oxylactonization of ketocarboxylic acids to ketolactones. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3848-3851.	2.2	71
20	Scan-less confocal phase imaging based on dual-comb microscopy. Optica, 2018, 5, 634.	9.3	70
21	A distance meter using a terahertz intermode beat in an optical frequency comb. Optics Express, 2009, 17, 17324.	3.4	66
22	Dual-comb spectroscopic ellipsometry. Nature Communications, 2017, 8, 610.	12.8	64
23	Stiffened Ultrathin Pt Films Confirmed by Acoustic-Phonon Resonances. Physical Review Letters, 2007, 98, 195503.	7.8	63
24	Real-time monitoring of continuous-wave terahertz radiation using a fiber-based, terahertz-comb-referenced spectrum analyzer. Optics Express, 2009, 17, 17034.	3.4	63
25	Chiral Hypervalent Organoiodine-Catalyzed Enantioselective Oxidative Spirolactonization of Naphthol Derivatives. Journal of Organic Chemistry, 2017, 82, 11946-11953.	3.2	63
26	Adaptive sampling dual terahertz comb spectroscopy using dual free-running femtosecond lasers. Scientific Reports, 2015, 5, 10786.	3.3	60
27	<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.	2.6	59
28	Improvement of minimum paint film thickness for THz paint meters by multiple-regression analysis. Applied Optics, 2007, 46, 7518.	2.1	58
29	Fast three-dimensional terahertz computed tomography using real-time line projection of intense terahertz pulse. Optics Express, 2013, 21, 2423.	3.4	58
30	Biomedical applications of a real-time terahertz color scanner. Biomedical Optics Express, 2010, 1, 354.	2.9	56
31	Quantitative evaluation of SARS-CoV-2 inactivation using a deep ultraviolet light-emitting diode. Scientific Reports, 2021, 11, 5070.	3.3	56
32	Fiber-based, hybrid terahertz spectrometer using dual fiber combs. Optics Letters, 2010, 35, 1689.	3.3	55
33	Ex vivo and in vivo second-harmonic-generation imaging of dermal collagen fiber in skin: comparison of imaging characteristics between mode-locked Cr:forsterite and Ti:sapphire lasers. Applied Optics, 2009, 48, D88.	2.1	51
34	Observation of dermal collagen fiber in wrinkled skin using polarization-resolved second-harmonic-generation microscopy. Optics Express, 2009, 17, 912.	3.4	50
35	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.	3.3	50
36	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.	3.3	49

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37	Ultrasensitive detection of SARS-CoV-2 nucleocapsid protein using large gold nanoparticle-enhanced surface plasmon resonance. Scientific Reports, 2022, 12, 1060.	3.3	49
38	In vivo visualization of dermal collagen fiber in skin burn by collagen-sensitive second-harmonic-generation microscopy. Journal of Biomedical Optics, 2013, 18, 1.	2.6	46
39	Scan-less hyperspectral dual-comb single-pixel-imaging in both amplitude and phase. Optics Express, 2017, 25, 21947.	3.4	46
40	Tomographic Imaging of Collagen Fiber Orientation in Human Tissue Using Depth-Resolved Polarimetry of Second-Harmonic-Generation Light. Optical and Quantum Electronics, 2005, 37, 1397-1408.	3.3	45
41	Terahertz Comb Spectroscopy Traceable to Microwave Frequency Standard. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 322-330.	3.1	39
42	Dual terahertz comb spectroscopy with a single free-running fibre laser. Scientific Reports, 2018, 8, 11155.	3.3	39
43	Adaptive-sampling near-Doppler-limited terahertz dual-comb spectroscopy with a free-running single-cavity fiber laser. Advanced Photonics, 2020, 2, 1.	11.8	38
44	The vinylogous Catellani reaction: a combined computational and experimental study. Chemical Science, 2018, 9, 1191-1199.	7.4	36
45	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.	3.4	35
46	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.	2.9	33
47	Widely tunable THz synthesizer. Applied Physics B: Lasers and Optics, 2011, 104, 763-768.	2.2	32
48	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.	3.4	31
49	Refractive-index-sensing optical comb based on photonic radio-frequency conversion with intracavity multi-mode interference fiber sensor. Optics Express, 2018, 26, 19694.	3.4	30
50	Combination of automatic HPLC-RIA method for determination of estrone and estradiol in serum. Journal of Clinical Laboratory Analysis, 1999, 13, 266-272.	2.1	29
51	Three-dimensional shape measurement of a diffusing surface by use of a femtosecond amplifying optical Kerr gate. Applied Optics, 2000, 39, 65.	2.1	29
52	Association of serum undercarboxylated osteocalcin with serum estradiol in pre-, peri- and early post-menopausal women. Journal of Endocrinological Investigation, 2006, 29, 913-918.	3.3	28
53	Widely and continuously tunable terahertz synthesizer traceable to a microwave frequency standard. Optics Express, 2011, 19, 4428.	3.4	28
54	Real-time line projection for fast terahertz spectral computed tomography. Optics Letters, 2011, 36, 2119.	3.3	27

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55	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.	3.0	27
56	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.	3.4	26
57	Biological Effects of Hormone Replacement Therapy in Relation to Serum Estradiol Levels. Hormone Research in Paediatrics, 2001, 56, 38-44.	1.8	25
58	Absolute distance measurement of optically rough objects using asynchronous-optical-sampling terahertz impulse ranging. Applied Optics, 2010, 49, 5262.	2.1	25
59	Thermal control of a Kerr microresonator soliton comb via an optical sideband. Optics Letters, 2022, 47, 281.	3.3	25
60	Study of Elastic Anisotropy of Cu Thin Films by Resonant-Ultrasound Spectroscopy Coupled with Laser-Doppler Interferometry and Pump-Probe Photoacoustics. Japanese Journal of Applied Physics, 2006, 45, 4580-4584.	1.5	24
61	Molecular imaging analysis of microvesicular and macrovesicular lipid droplets in non-alcoholic fatty liver disease by Raman microscopy. Scientific Reports, 2020, 10, 18548.	3.3	24
62	Investigation of the phase noise of a microresonator soliton comb. Optics Express, 2020, 28, 19295.	3.4	23
63	Stabilization of femtosecond mode-locked Ti:sapphire laser for high-accuracy pulse interferometry. IEEE Journal of Quantum Electronics, 2001, 37, 12-19.	1.9	22
64	Visual Demonstration of Calcium Accumulation in Human Arteries of Upper and Lower Limbs. Biological Trace Element Research, 2001, 81, 115-125.	3.5	22
65	Mechanism of Elastic Softening Behavior in a Superlattice. Physical Review Letters, 2007, 99, 035502.	7.8	22
66	Real-Time Amplitude and Phase Imaging of Optically Opaque Objects by Combining Full-Field Off-Axis Terahertz Digital Holography with Angular Spectrum Reconstruction. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 561-572.	2.2	22
67	Super-resolution discrete Fourier transform spectroscopy beyond time-window size limitation using precisely periodic pulsed radiation. Optica, 2015, 2, 460.	9.3	21
68	Development of a wavefront sensor for terahertz pulses. Optics Express, 2016, 24, 5203.	3.4	21
69	Novel Pure αVβ3 Integrin Antagonists That Do Not Induce Receptor Extension, Prime the Receptor, or Enhance Angiogenesis at Low Concentrations. ACS Pharmacology and Translational Science, 2019, 2, 387-401.	4.9	21
70	Microscopic time-resolved two-dimensional imaging with a femtosecond amplifying optical Kerr gate. Applied Optics, 2002, 41, 5191.	2.1	20
71	Strain sensing based on strain to radio-frequency conversion of optical frequency comb. Optics Express, 2018, 26, 9484.	3.4	20
72	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.	2.9	19

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73	Refractive index sensing with temperature compensation by a multimode-interference fiber-based optical frequency comb sensing cavity. Optics Express, 2019, 27, 21463.	3.4	19
74	Double-modulation reflection-type terahertz ellipsometer for measuring the thickness of a thin paint coating. Optics Express, 2014, 22, 20595.	3.4	18
75	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.	2.2	16
76	Highly Enantioselective [2+2+2] Cycloaddition of Enediynes Enabled by Cobalt/Organophotoredox Cooperative Catalysis. ACS Catalysis, 2021, 11, 9479-9484.	11.2	16
77	Multicascade-linked synthetic wavelength digital holography using an optical-comb-referenced frequency synthesizer. Optics Express, 2018, 26, 26292.	3.4	16
78	Multi-object investigation using two-wavelength phase-shift interferometry guided by an optical frequency comb. Applied Physics Letters, 2018, 112, .	3.3	14
79	Full-field fluorescence lifetime dual-comb microscopy using spectral mapping and frequency multiplexing of dual-comb optical beats. Science Advances, 2021, 7, .	10.3	14
80	Anisotropic Alteration of Scleral Birefringence to Uniaxial Mechanical Strain. PLoS ONE, 2013, 8, e58716.	2.5	14
81	Synthesis of (Difluoromethyl)cycloalkenes from 2 ycloalkenones by Utilizing Phosphaâ€Brook Rearrangement. Advanced Synthesis and Catalysis, 2019, 361, 3739-3743.	4.3	13
82	Texture analysis of secondâ€harmonicâ€generation images for quantitative analysis of reticular dermal collagen fibre in vivo in human facial cheek skin. Experimental Dermatology, 2019, 28, 899-905.	2.9	13
83	Rhodium-catalyzed cycloisomerization of ester-tethered 1,6-diynes with cyclopropanol moiety leading to tetralone/exocyclic diene hybrid molecules. Chemical Communications, 2020, 56, 12865-12868.	4.1	13
84	Cobalt/Organophotoredox Dual-Catalysis-Enabled Cascade Cyclization of 1,6-Diynyl Esters via Formal 1,8-Acyloxy Migration. ACS Catalysis, 2021, 11, 11716-11722.	11.2	13
85	Continuously tunable, phase-locked, continuous-wave terahertz generator based on photomixing of two continuous-wave lasers locked to two independent optical combs. Journal of Applied Physics, 2010, 107, 033111.	2.5	12
86	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
87	Dependence of Terahertz Electric Fields on Electric Bias and Modulation Frequency in Pulsed Terahertz Emissions from Electrically-Modulated Photoconductive Antenna Detected with Free-Space Electro-Optic Sampling. Japanese Journal of Applied Physics, 2005, 44, 1777-1780.	1.5	11
88	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.	2.2	11
89	Analysis of the influence of collagen fibres in the dermis on skin optical reflectance by Monte Carlo simulation in a nine″ayered skin model. Skin Research and Technology, 2018, 24, 248-255.	1.6	11
90	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.	3.4	10

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91	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. Japanese Journal of Applied Physics, 2019, 58, 060912.	1.5	10
92	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.	3.6	9
93	In situ time-series monitoring of collagen fibers produced by standing-cultured osteoblasts using a second-harmonic-generation microscope. Applied Optics, 2016, 55, 3261.	1.8	9
94	Direct Wavefront Measurement of Terahertz Pulses Using Two-Dimensional Electro-Optic Imaging. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 741-746.	3.1	9
95	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.	2.6	9
96	Inactivation of SARS-CoV-2 by deep ultraviolet light emitting diode: A review. Japanese Journal of Applied Physics, 2021, 60, 090501.	1.5	8
97	Visualization of internal structure and internal stress in visibly opaque objects using full-field phase-shifting terahertz digital holography. Optics Express, 2019, 27, 33854.	3.4	8
98	Sensitive measurement of water content in dry material based on low-frequency terahertz time-domain spectroscopy. , 2006, 6024, 69.		7
99	Optical Glucose Monitoring Based on Femtosecond Two-Color Pulse Interferometry. Optical Review, 2006, 13, 29-33.	2.0	7
100	Computationally image-corrected dual-comb microscopy with a free-running single-cavity dual-comb fiber laser. Optics Express, 2021, 29, 5018.	3.4	7
101	Accurate Stabilization of a 3 mW Single-Mode Output He-Ne Laser by Intermittent Frequency Offset Locking to an Iodine Stabilized He-Ne Laser. Optical Review, 1997, 4, 675-682.	2.0	6
102	Multiple-Scattering-Free Optical Glucose Monitoring Based on Femtosecond Pulse Interferometry. Optical Review, 2005, 12, 202-206.	2.0	6
103	Palladiumâ€Catalyzed [3+2] and [2+2+2] Annulations of 4â€lodoâ€2â€quinolones with Activated Alkynes through Selective Câ~'H Activation. Chemistry - A European Journal, 2020, 26, 3749-3757.	3.3	6
104	Optical image amplification in dual-comb microscopy. Scientific Reports, 2020, 10, 8338.	3.3	6
105	Frequency-scanned microresonator soliton comb with tracking of the frequency of all comb modes. Optics Letters, 2021, 46, 3400.	3.3	6
106	Catalystâ€Free C sp â^'C sp 3 Crossâ€Coupling of Bromodifluoroacetamides with 1â€lodoalkynes under Visibleâ€Light Irradiation. Advanced Synthesis and Catalysis, 2021, 363, 4932.	4.3	6
107	Ultrasonic wave sensing using an optical-frequency-comb sensing cavity for photoacoustic imaging. OSA Continuum, 2019, 2, 439.	1.8	6
108	An intermittent frequency offset lock of a transverse Zeeman laser to an iodine stabilized He-Ne laser. Optical Review, 1996, 3, 197-201.	2.0	5

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109	Optical-frequency-comb based ultrasound sensor. , 2017, , .		5
110	Combined Experimental and Computational Study on Catalytic Cyclocoupling of Epoxides and CO2 Using Porphyrin-Based Cu(II) Metal-Organic Frameworks with 2D Coordination Networks. Bulletin of the Chemical Society of Japan, 2018, 91, 383-390.	3.2	5
111	Quantitative in situ time-series evaluation of osteoblastic collagen synthesis under cyclic strain using second-harmonic-generation microscopy. Journal of Biomedical Optics, 2019, 24, 1.	2.6	5
112	Lock-in-detection dual-comb spectroscopy. OSA Continuum, 2019, 2, 1998.	1.8	5
113	Ultralow-frequency ultranarrow-bandwidth coherent terahertz imaging for nondestructive testing of mortar material. Optics Express, 2022, 30, 4392.	3.4	5
114	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.	2.9	4
115	Terahertz frequency metrology based on frequency comb techniques. , 2013, , 436-463.		4
116	<i>In vivo</i> time-lapse imaging of skin burn wound healing using second-harmonic generation microscopy. Proceedings of SPIE, 2014, , .	0.8	4
117	Off-axis terahertz digital holography using continuous-wave terahertz radiation. , 2015, , .		4
118	Photonic-Crystal-Fiber-Coupled, Hand-Held, Polarization-Resolved Second-Harmonic-Generation Microscope for <italic>In Vivo</italic> Visualization of Dermal Collagen Fibers in Human Skin. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	2.9	4
119	Characteristics of nonlinear terahertz-wave radiation generated by mid-infrared femtosecond pulse laser excitation. Applied Physics Express, 2021, 14, 092004.	2.4	4
120	Development of novel potent ligands for <scp>GPR85</scp> , an orphan G protein oupled receptor expressed in the brain. Genes To Cells, 2022, 27, 345-355.	1.2	4
121	In vivo imaging of collagen fiber orientation with rapid polarization-resolved SHG microscopy. , 2013, , .		3
122	Single-pixel imaging by Hadamard transform and its application for hyperspectral imaging. Proceedings of SPIE, 2016, , .	0.8	3
123	Dead-band-free, real-time high-resolution microwave frequency measurement with a multi-comb laser. , 2017, , .		3
124	Assessment of Ultra-Early-Stage Liver Fibrosis in Human Non-Alcoholic Fatty Liver Disease by Second-Harmonic Generation Microscopy. International Journal of Molecular Sciences, 2022, 23, 3357.	4.1	3
125	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.	2.2	2
126	Scan-less, line-field confocal microscopy by combination of wavelength/space conversion with dual		2

optical comb. , 2016, , .

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127	Multicascade-linked synthetic-wavelength digital holography using a line-by-line spectral-shaped optical frequency comb. Optics Express, 2021, 29, 15772.	3.4	2
128	Quantitative Evaluation of Both Histological and Mechanical Recovery in Injured Tendons Using Fourier-Transform Second-Harmonic-Generation Microscopy. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-8.	2.9	2
129	Terahertz dual-comb spectroscopy with a free-running, dual-wavelength-comb fiber laser. , 2017, , .		2
130	Broadband dual-comb spectroscopy with a polarization-multiplexed, dual-comb fiber laser. , 2016, , .		2
131	Synthesis of γ-Difluoromethylated Tetronate Derivatives from Squarates Using Difluoromethylphosphonate. Heterocycles, 2019, 99, 363.	0.7	2
132	Dynamic characterization of polarization property in liquid-crystal-on-silicon spatial light modulator using dual-comb spectroscopic polarimetry. Optics Express, 2020, 28, 23584.	3.4	2
133	Generation of a microresonator soliton comb via current modulation of a DFB laser. OSA Continuum, 2020, 3, 3218.	1.8	2
134	Co-Catalyzed atom transfer radical addition of bromodifluoroacetamides, expanding the scope of radical difluoroalkylation. Organic and Biomolecular Chemistry, 2022, 20, 2867-2872.	2.8	2
135	Beam-angle-scanning surface plasmon resonance sensor for rapid, high-precision sensing of refractive index and bio-molecules. , 2022, 1, 565.		2
136	The mechanism of the effect of combination treatment wit clomiphene and bromocriptine in patients with normoprolactinemic anovulation. Journal of Endocrinological Investigation, 1990, 13, 549-554.	3.3	1
137	Intermittent frequency offset lock of a symmetric three-mode stabilized He-Ne laser to an iodine stabilized He-Ne laser. Optical Review, 1996, 3, 528-534.	2.0	1
138	Real-time one-dimensional Terahertz time-domain spectroscopic imaging for a moving object. , 2005, , .		1
139	Second-harmonic-generation Imaging of Collagen Fiber in Dermis Tissue. , 0, , .		1
140	Real-time one-dimensional terahertz time-domain spectroscopic imaging. , 0, , .		1
141	Polarization-resolved second-harmonic-generation imaging of photoaged dermal collagen fiber. , 2009, , .		1
142	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
143	Gapless THz comb spectroscopy. , 2013, , .		1
144	Terahertz wavefront assessment based on 2D electro-optic imaging. Proceedings of SPIE, 2015, , .	0.8	1

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145	Scanless confocal phase imaging with dual comb microscopy. , 2017, , .		1
146	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
147	Application of Scan-less Two-Dimensional Confocal Microscopy Based on a Combination of Confocal Slit With Wavelength/Space Conversion. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	2.9	1
148	Scan-Less, Kilo-Pixel, Line-Field Confocal Phase Imaging with Spectrally Encoded Dual-Comb Microscopy. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-8.	2.9	1
149	Application of Refractive-index-sensing Optical Frequency Comb for Biosensing of Antigen-antibody Reaction. , 2021, , .		1
150	Hybrid optical imaging with near-infrared, mid-infrared, and terahertz wavelengths for nondestructive inspection [Invited]. Applied Optics, 2021, 60, B100.	1.8	1
151	Adaptive Sampling Terahertz Dual-Comb Spectroscopy Based on a Free-Running Single-Cavity Dual-Comb Fiber Laser. , 2019, , .		1
152	Digital holography using multiple synthesized wavelengths cascaded by optical frequency synthesizer. , 2017, , .		1
153	Polarimetric imaging of SHG light for spatial distribution measurement of collagen orientation in biological tissue. , 0, , .		Ο
154	Tomographic imaging of collagen fiber orientation in human tissue using depth-resolved polarimetry of second-harmonic-generation light. , 0, , .		0
155	Simultaneous measurement of thickness and drying process of paint film by terahertz electromagnetic pulse. , 0, , .		0
156	Multiple-scattering-free optical glucose monitoring based on femtosecond pulse interferometry. , 0, ,		0
157	Femtosecond two-color pulse interferometry for the measurement of glucose concentration. , 2003, ,		Ο
158	Ultrafast Time-Resolved Imaging Gate. The Review of Laser Engineering, 2003, 31, 647-653.	0.0	0
159	Strain-Dependent Elastic Constants and Magnetic Anisotropy of Co/Pt Superlattice Thin Films. Zairyo/Journal of the Society of Materials Science, Japan, 2005, 54, 1005-1011.	0.2	0
160	Rapid, ultrahigh-resolution Terahertz time-domain spectrometer based on asynchronous optical sampling method. , 2005, , .		0
161	Real-time two-dimensional terahertz tomography. , 0, , .		0
162	Correlation Between Elastic Constants and Magnetic Anisotropy in Co/Pt Superlattice Thin Films. Materials Research Society Symposia Proceedings, 2005, 875, 1.	0.1	0

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163	Rapid, Ultrahigh-resolution Terahertz Time-domain Spectrometer Using Two Asynchronous-controlled Femtosecond Lasers. , 0, , .		Ο
164	Anisotropic Elastic Constants of Copper Thin Films: RUS/Laser and Picosecond-Laser Ultrasound. AIP Conference Proceedings, 2006, , .	0.4	0
165	High-accuracy, high-resolution terahertz frequency-comb spectroscopy based on multi-frequency-heterodyning photoconductive detection. , 2006, , .		Ο
166	Two-dimensional cross-sectional imaging of moving objects based on real-time two-dimensional terahertz tomography. , 2006, , .		0
167	Terahertz Frequency Comb for High-accuracy, High-resolution Terahertz Spectroscopy. , 2007, , .		0
168	Real-time, one-dimensional terahertz time-domain spectroscopic imaging of moving object. , 2007, , .		0
169	Terahertz Time-domain Spectroscopy of Water Vapor Based on Asynchronous Optical Sampling. , 2007, , ·		0
170	Two-dimensional Terahertz Time-domain Spectroscopic Imaging of Moving Object. , 2007, , .		0
171	Real-time, terahertz impulse radar based on asynchronous optical sampling. , 2008, , .		0
172	Precise frequency measurement of sub-THz test source referring to as terahertz frequency comb. , 2008, , .		0
173	Asynchronous optical sampling, terahertz impulse radar. , 2009, , .		0
174	Polarization-resolved second-harmonic-generation imaging of photoaged dermal collagen fiber. , 2009, , .		0
175	Phase measurement of tunable CW-THz radiation at multiple frequencies based on photoconductive mixing with terahertz frequency comb. , 2009, , .		0
176	Fiber-based, asynchronous optical sampling terahertz time-domain spectroscopy system. , 2009, , .		0
177	Continuous tuning of phase-locked CW-THz radiation by photomixing of two CW lasers locked to two independent optical combs. , 2009, , .		0
178	Real-time terahertz color scanner. , 2010, , .		0
179	Accurate, continuously tunable, terahertz synthesizer based on photomixing of two continuous-wave lasers phase-locked to two independent fiber combs. , 2010, , .		0
180	Terahertz frequency metrology based on frequency comb techniques. , 2010, , .		0

11

#	Article	IF	CITATIONS
181	Evaluation of spectral resolution and accuracy in ASOPS THz time-domain spectroscopy. , 2011, , .		О
182	Observation of terahertz frequency comb by time-window-extended, asynchronous-optical-sampling THz-TDS. , 2011, , .		0
183	Fast terahertz computed tomography with continuously rotating objects. , 2011, , .		0
184	THz color scanner for moving object. , 2011, , .		0
185	In vivo observation of skin burn using collagen-sensitive second-harmonic-generation microscopy. , 2011, , .		Ο
186	Frequency-swept asynchronous-optical-sampling THz time-domain spectroscopy. , 2012, , .		0
187	Generation of gapless terahertz frequency comb. , 2012, , .		Ο
188	All-fiber-based, asynchronous-optical-sampling THz time-domain spectroscopy using dual mode-locked fiber lasers and fiber-coupled photoconductive antennae. , 2013, , .		0
189	Fast polarization-resolved SHG microscopy for in vivo imaging of collagen orientation. , 2013, , .		Ο
190	Precise frequency measurement of continuous-wave terahertz radiation based on THz comb. , 2013, , .		0
191	Fast 3D computed tomography using intense terahertz pulses. , 2013, , .		Ο
192	In vivo imaging of dermal collagen in skin burn by collagen-sensitive second-harmonic-generation microscopy. Proceedings of SPIE, 2013, , .	0.8	0
193	THz frequency comb for precise frequency measurement of continuous-wave terahertz radiation. , 2013, , .		Ο
194	Extraction of beat signal between dual THz combs using dual THz spectrum analyzers. , 2014, , .		0
195	Low-pressure gas spectroscopy using terahertz frequency synthesizer traceable to microwave frequency standard via dual optical comb. , 2014, , .		Ο
196	Dual optical comb spectroscopy using modified adaptive sampling method. , 2015, , .		0
197	Digital holographic microscopy using partially coherent, instantaneously bright, femtosecond pulse light. , 2015, , .		0
198	Optical detection of micro defect by single-pixel imaging. , 2015, , .		0

#	Article	IF	CITATIONS
199	Terahertz wavefront characterization using a Hartmann sensor combined with 2D electro-optic imaging. , 2015, , .		0
200	Adaptive sampling, terahertz dual comb spectroscopy using unstabilized dual lasers. , 2015, , .		0
201	Real-time absolute frequency measurement of CW-THz radiation based on a free-running THz comb. , 2015, , .		0
202	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
203	Compact probe head of second-harmonic-generation microscopy for dermatological applications. , 2015, , .		0
204	Wavefront measurement of terahertz pulses using a Hartmann sensor combined with 2D electro-optic imaging. , 2015, , .		0
205	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
206	In situ visualization of dermal collagen dynamics during skin burn healing using second-harmonic-generation microscopy. Proceedings of SPIE, 2015, , .	0.8	0
207	Real-Time Absolute Frequency Measurement of CW-THz Wave Based on a Free-Running THz Comb. , 2015, ,		Ο
208	Off-axis THz digital holography by use of THz quantum cascade laser and uncooled micro-bolometer array detector. , 2016, , .		0
209	Comparison of two methods for wavefront measurement of terahertz pulses combined with 2D electro-optic imaging. , 2016, , .		0
210	Gapless dual THz comb spectroscopy. , 2016, , .		0
211	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, , .		Ο
212	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.	0.1	0
213	In situquantitative evaluation of osteoblastic collagen synthesis under cyclic strain by using second-harmonic-generation microscope. , 2016, , .		Ο
214	One shot confocal microscopy based on wavelength/space conversion by use of multichannel spectrometer. , 2016, , .		0
215	Interferometric Terahertz Wavefront Analysis. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-5.	2.9	0
216	Hyperspectral single-pixel imaging with dual optical combs. Proceedings of SPIE, 2017, , .	0.8	0

#	Article	IF	CITATIONS
217	Orientation analysis of collagen fibers in healing tendon by using second-harmonic-generation microscopy. , 2017, , .		0
218	Combination of Adaptive Sampling Terahertz Dual-Comb Spectroscopy with a Free-Running Single-Cavity Dual-Comb Fiber Laser. , 2019, , .		0
219	Synthesis of D–π–A type benzothiazole–pyridinium salt composite and its application as photo-degradation agent for amyloid fibrils. Bioorganic and Medicinal Chemistry Letters, 2021, 50, 128324.	2.2	0
220	Phase noise reduction of a dissipative Kerr-microresonator soliton comb by a sideband cooling. , 2021, , .		0
221	Capillary Electrophoresis System using Biological Reaction of Single Cell as a Sensor Probe. The Proceedings of the JSME Annual Meeting, 2000, 2000.2, 267-268.	0.0	0
222	Changes of autofluorescence in human dentine caused by caries. Proceedings of the JSME Bioengineering Conference and Seminar, 2000, 2000.11, 149-150.	0.0	0
223	Capillary electrophoresis system using a fluorescence labeled cell as a sensor probe. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2001, 2001.13, 20-21.	0.0	0
224	Measurement of glucose concentration based on femtosecond two-color pulse interferometry. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2003, 2003.15, 121-122.	0.0	0
225	Determination of collagen orientation in skin dermis based on optical nonlinear effect in biological tissue. The Proceedings of the JSME Annual Meeting, 2003, 2003.5, 49-50.	0.0	0
226	Distribution measurement of collagen fiber orientation using polarization-resolved imaging of second-harmonic-generation light. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2004, 2004.16, 117-118.	0.0	0
227	Novel Terahertz spectrometer. The Review of Laser Engineering, 2007, 35, 144-145.	0.0	0
228	Anomalous Elastic Softening in Superlattice Thin Films Studied by Picosecond-Laser Ultrasounds and Micromechanics Modeling. Zairyo/Journal of the Society of Materials Science, Japan, 2007, 56, 900-906.	0.2	0
229	Generation and Detection of Terahertz Frequency Comb. The Review of Laser Engineering, 2007, 35, 627-632.	0.0	0
230	2601 Real-time two-dimensional THz tomography. The Proceedings of the JSME Annual Meeting, 2007, 2007.1, 515-516.	0.0	0
231	Second-harmonic-generation imaging of tissue collagen and application to skin measurement. The Review of Laser Engineering, 2008, 36, 214-215.	0.0	0
232	Real-time THz-TDS line scanner for moving object. , 2008, , .		0
233	A distance meter using a sub-terahertz intermode beat in an optical frequency comb. , 2008, , .		0
_		_	

#	Article	IF	CITATIONS
235	Observation of Terahertz Frequency Comb and Application for Spectroscopy. The Review of Laser Engineering, 2012, 40, 513.	0.0	0
236	Visualization of Dermal Collagen Orientation with Polarization-Resolved Second-Harmonic-Generation Microscopy. The Review of Laser Engineering, 2013, 41, 601.	0.0	0
237	Adaptive Sampling Dual Comb Spectroscopy in Terahertz Region Using Unstabilized Dual Femtosecond Lasers. , 2015, , .		0
238	Discrete Fourier Transform Infrared Spectroscopy Using Precisely Periodic Pulse. , 2015, , .		0
239	Multiple-synthesized-wavelengths digital holography using optical frequency synthesizer. , 2016, , .		0
240	Video-rate volume imaging confocal microscope based on wavelength / space conversion by use of multichannel spectrometer. , 2016, , .		0
241	Dual-comb Spectroscopy in the THz Region. , 2016, , .		0
242	Off-axis digital holography in THz region. , 2017, , .		0
243	Development of confocal laser scanning microscopy by use of optical frequency comb. , 2017, , .		0
244	Dual-comb single-pixel imaging for scan-less hyperspectral imaging. , 2017, , .		0
245	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
246	In vivo visualization of dermal collagen fibers in human skin using a photonic-crystal-fiber-coupled, hand-held second-harmonic-generation microscope. , 2018, , .		0
247	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
248	In vivo time-series monitoring of dermal collagen fiber during skin burn healing using second-harmonic-generation microscopy. , 2018, , .		0
249	Comb-Line-Resolved High-Resolution Terahertz Time-domain Spectroscopy Based on a Simple Fiber Laser. , 2019, , .		0
250	Lens-less fiber coupling of a 1550-nm mode-locked fiber laser light on a low-temperature-grown GaAs photoconductive antenna. OSA Continuum, 2019, 2, 1310.	1.8	0
251	Wide axial dynamic range digital holography using multicascade-linked synthetic wavelengths and optical wavelength. , 2019, , .		0
252	Intra-cavity biosensing in refractive-index-sensing optical comb. , 2020, , .		0

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