

# Takeshi Yasui

## List of Publications by Year in descending order

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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	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
2	Quaternary Ammonium (Hypo)iodite Catalysis for Enantioselective Oxidative Cycloetherification. <i>Science</i> , 2010, 328, 1376-1379.	6.0	393
3	In situ Generated (Hypo)iodite Catalysts for the Direct $\alpha$ -Oxyacylation of Carbonyl Compounds with Carboxylic Acids. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5331-5334.	7.2	325
4	Terahertz paintmeter for noncontact monitoring of thickness and drying progress in paint film. <i>Applied Optics</i> , 2005, 44, 6849.	2.1	228
5	Asynchronous optical sampling terahertz time-domain spectroscopy for ultrahigh spectral resolution and rapid data acquisition. <i>Applied Physics Letters</i> , 2005, 87, 061101.	1.5	214
6	Hydrogen Bonding and Alcohol Effects in Asymmetric Hypervalent Iodine Catalysis: Enantioselective Oxidative Dearomatization of Phenols. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9215-9218.	7.2	210
7	Picometer-resolution dual-comb spectroscopy with a free-running fiber laser. <i>Optics Express</i> , 2016, 24, 21833.	1.7	195
8	Terahertz frequency comb by multifrequency-heterodyning photoconductive detection for high-accuracy, high-resolution terahertz spectroscopy. <i>Applied Physics Letters</i> , 2006, 88, 241104.	1.5	187
9	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
10	Characterization of collagen orientation in human dermis by two-dimensional second-harmonic-generation polarimetry. <i>Journal of Biomedical Optics</i> , 2004, 9, 259.	1.4	129
11	Real-time terahertz color scanner for moving objects. <i>Optics Express</i> , 2008, 16, 1208.	1.7	108
12	Terahertz spectrum analyzer based on a terahertz frequency comb. <i>Optics Express</i> , 2008, 16, 13052.	1.7	107
13	Automatic characterization and segmentation of human skin using three-dimensional optical coherence tomography. <i>Optics Express</i> , 2006, 14, 1862.	1.7	89
14	Determination of collagen fiber orientation in human tissue by use of polarization measurement of molecular second-harmonic-generation light. <i>Applied Optics</i> , 2004, 43, 2861.	2.1	88
15	Real-time two-dimensional terahertz tomography of moving objects. <i>Optics Communications</i> , 2006, 267, 128-136.	1.0	84
16	Terahertz Frequency Metrology Based on Frequency Comb. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2011, 17, 191-201.	1.9	80
17	CD10 as a novel marker of therapeutic resistance and cancer stem cells in head and neck squamous cell carcinoma. <i>British Journal of Cancer</i> , 2014, 111, 506-514.	2.9	79
18	Spectrally interleaved, comb-mode-resolved spectroscopy using swept dual terahertz combs. <i>Scientific Reports</i> , 2014, 4, 3816.	1.6	74

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19	Hypervalent iodine-catalyzed oxylactonization of ketocarboxylic acids to ketolactones. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3848-3851.	1.0	71
20	Scan-less confocal phase imaging based on dual-comb microscopy. <i>Optica</i> , 2018, 5, 634.	4.8	70
21	A distance meter using a terahertz intermode beat in an optical frequency comb. <i>Optics Express</i> , 2009, 17, 17324.	1.7	66
22	Dual-comb spectroscopic ellipsometry. <i>Nature Communications</i> , 2017, 8, 610.	5.8	64
23	Stiffened Ultrathin Pt Films Confirmed by Acoustic-Phonon Resonances. <i>Physical Review Letters</i> , 2007, 98, 195503.	2.9	63
24	Real-time monitoring of continuous-wave terahertz radiation using a fiber-based, terahertz-comb-referenced spectrum analyzer. <i>Optics Express</i> , 2009, 17, 17034.	1.7	63
25	Chiral Hypervalent Organoiodine-Catalyzed Enantioselective Oxidative Spirolactonization of Naphthol Derivatives. <i>Journal of Organic Chemistry</i> , 2017, 82, 11946-11953.	1.7	63
26	Adaptive sampling dual terahertz comb spectroscopy using dual free-running femtosecond lasers. <i>Scientific Reports</i> , 2015, 5, 10786.	1.6	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. <i>Journal of Biomedical Optics</i> , 2012, 18, 031108.	1.4	59
28	Improvement of minimum paint film thickness for THz paint meters by multiple-regression analysis. <i>Applied Optics</i> , 2007, 46, 7518.	2.1	58
29	Fast three-dimensional terahertz computed tomography using real-time line projection of intense terahertz pulse. <i>Optics Express</i> , 2013, 21, 2423.	1.7	58
30	Biomedical applications of a real-time terahertz color scanner. <i>Biomedical Optics Express</i> , 2010, 1, 354.	1.5	56
31	Quantitative evaluation of SARS-CoV-2 inactivation using a deep ultraviolet light-emitting diode. <i>Scientific Reports</i> , 2021, 11, 5070.	1.6	56
32	Fiber-based, hybrid terahertz spectrometer using dual fiber combs. <i>Optics Letters</i> , 2010, 35, 1689.	1.7	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. <i>Applied Optics</i> , 2009, 48, D88.	2.1	51
34	Observation of dermal collagen fiber in wrinkled skin using polarization-resolved second-harmonic-generation microscopy. <i>Optics Express</i> , 2009, 17, 912.	1.7	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. <i>Scientific Reports</i> , 2017, 7, 42082.	1.6	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. <i>Scientific Reports</i> , 2016, 6, 28114.	1.6	49

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37	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
38	In vivo visualization of dermal collagen fiber in skin burn by collagen-sensitive second-harmonic-generation microscopy. <i>Journal of Biomedical Optics</i> , 2013, 18, 1.	1.4	46
39	Scan-less hyperspectral dual-comb single-pixel-imaging in both amplitude and phase. <i>Optics Express</i> , 2017, 25, 21947.	1.7	46
40	Tomographic Imaging of Collagen Fiber Orientation in Human Tissue Using Depth-Resolved Polarimetry of Second-Harmonic-Generation Light. <i>Optical and Quantum Electronics</i> , 2005, 37, 1397-1408.	1.5	45
41	Terahertz Comb Spectroscopy Traceable to Microwave Frequency Standard. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013, 3, 322-330.	2.0	39
42	Dual terahertz comb spectroscopy with a single free-running fibre laser. <i>Scientific Reports</i> , 2018, 8, 11155.	1.6	39
43	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
44	The vinylogous Catellani reaction: a combined computational and experimental study. <i>Chemical Science</i> , 2018, 9, 1191-1199.	3.7	36
45	Enhancement of spectral resolution and accuracy in asynchronous-optical-sampling terahertz time-domain spectroscopy for low-pressure gas-phase analysis. <i>Optics Express</i> , 2012, 20, 15071.	1.7	35
46	Scleral birefringence as measured by polarization-sensitive optical coherence tomography and ocular biometric parameters of human eyes in vivo. <i>Biomedical Optics Express</i> , 2014, 5, 1391.	1.5	33
47	Widely tunable THz synthesizer. <i>Applied Physics B: Lasers and Optics</i> , 2011, 104, 763-768.	1.1	32
48	Real-time absolute frequency measurement of continuous-wave terahertz radiation based on dual terahertz combs of photocarriers with different frequency spacings. <i>Optics Express</i> , 2015, 23, 11367.	1.7	31
49	Refractive-index-sensing optical comb based on photonic radio-frequency conversion with intracavity multi-mode interference fiber sensor. <i>Optics Express</i> , 2018, 26, 19694.	1.7	30
50	Combination of automatic HPLC-RIA method for determination of estrone and estradiol in serum. <i>Journal of Clinical Laboratory Analysis</i> , 1999, 13, 266-272.	0.9	29
51	Three-dimensional shape measurement of a diffusing surface by use of a femtosecond amplifying optical Kerr gate. <i>Applied Optics</i> , 2000, 39, 65.	2.1	29
52	Association of serum undercarboxylated osteocalcin with serum estradiol in pre-, peri- and early post-menopausal women. <i>Journal of Endocrinological Investigation</i> , 2006, 29, 913-918.	1.8	28
53	Widely and continuously tunable terahertz synthesizer traceable to a microwave frequency standard. <i>Optics Express</i> , 2011, 19, 4428.	1.7	28
54	Real-time line projection for fast terahertz spectral computed tomography. <i>Optics Letters</i> , 2011, 36, 2119.	1.7	27

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55	Discovery of a novel B-cell lymphoma 6 (BCL6) corepressor interaction inhibitor by utilizing structure-based drug design. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 4876-4886.	1.4	27
56	Near-infrared broadband dual-frequency-comb spectroscopy with a resolution beyond the Fourier limit determined by the observation time window. <i>Optics Express</i> , 2015, 23, 33184.	1.7	26
57	Biological Effects of Hormone Replacement Therapy in Relation to Serum Estradiol Levels. <i>Hormone Research in Paediatrics</i> , 2001, 56, 38-44.	0.8	25
58	Absolute distance measurement of optically rough objects using asynchronous-optical-sampling terahertz impulse ranging. <i>Applied Optics</i> , 2010, 49, 5262.	2.1	25
59	Thermal control of a Kerr microresonator soliton comb via an optical sideband. <i>Optics Letters</i> , 2022, 47, 281.	1.7	25
60	Study of Elastic Anisotropy of Cu Thin Films by Resonant-Ultrasound Spectroscopy Coupled with Laser-Doppler Interferometry and Pump-Probe Photoacoustics. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 4580-4584.	0.8	24
61	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
62	Investigation of the phase noise of a microresonator soliton comb. <i>Optics Express</i> , 2020, 28, 19295.	1.7	23
63	Stabilization of femtosecond mode-locked Ti:sapphire laser for high-accuracy pulse interferometry. <i>IEEE Journal of Quantum Electronics</i> , 2001, 37, 12-19.	1.0	22
64	Visual Demonstration of Calcium Accumulation in Human Arteries of Upper and Lower Limbs. <i>Biological Trace Element Research</i> , 2001, 81, 115-125.	1.9	22
65	Mechanism of Elastic Softening Behavior in a Superlattice. <i>Physical Review Letters</i> , 2007, 99, 035502.	2.9	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. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018, 39, 561-572.	1.2	22
67	Super-resolution discrete Fourier transform spectroscopy beyond time-window size limitation using precisely periodic pulsed radiation. <i>Optica</i> , 2015, 2, 460.	4.8	21
68	Development of a wavefront sensor for terahertz pulses. <i>Optics Express</i> , 2016, 24, 5203.	1.7	21
69	Novel Pure $\alpha$ 2V123 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
70	Microscopic time-resolved two-dimensional imaging with a femtosecond amplifying optical Kerr gate. <i>Applied Optics</i> , 2002, 41, 5191.	2.1	20
71	Strain sensing based on strain to radio-frequency conversion of optical frequency comb. <i>Optics Express</i> , 2018, 26, 9484.	1.7	20
72	Motion-artifact-robust, polarization-resolved second-harmonic-generation microscopy based on rapid polarization switching with electro-optic Pockels cell and its application to in vivo visualization of collagen fiber orientation in human facial skin. <i>Biomedical Optics Express</i> , 2014, 5, 1099.	1.5	19

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73	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
74	Double-modulation reflection-type terahertz ellipsometer for measuring the thickness of a thin paint coating. <i>Optics Express</i> , 2014, 22, 20595.	1.7	18
75	Terahertz Frequency-Domain Spectroscopy of Low-Pressure Acetonitrile Gas by a Photomixing Terahertz Synthesizer Referenced to Dual Optical Frequency Combs. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2016, 37, 903-915.	1.2	16
76	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
77	Multicascade-linked synthetic wavelength digital holography using an optical-comb-referenced frequency synthesizer. <i>Optics Express</i> , 2018, 26, 26292.	1.7	16
78	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
79	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
80	Anisotropic Alteration of Scleral Birefringence to Uniaxial Mechanical Strain. <i>PLoS ONE</i> , 2013, 8, e58716.	1.1	14
81	Synthesis of (Difluoromethyl)cycloalkenes from $\alpha$ -Cycloalkenones by Utilizing Phosphonium Brook Rearrangement. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3739-3743.	2.1	13
82	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
83	Rhodium-catalyzed cycloisomerization of ester-tethered 1,6-diyne with cyclopropanol moiety leading to tetralone/exocyclic diene hybrid molecules. <i>Chemical Communications</i> , 2020, 56, 12865-12868.	2.2	13
84	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
85	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
86	High brightness, low coherence, digital holographic microscopy for 3D visualization of an in-vitro sandwiched biological sample. <i>Applied Optics</i> , 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. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 1777-1780.	0.8	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. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2013, 34, 646-659.	1.2	11
89	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
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. <i>Optics Express</i> , 2014, 22, 17349.	1.7	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.	0.8	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.	1.3	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.	0.9	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.	2.0	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.	1.4	9
96	Inactivation of SARS-CoV-2 by deep ultraviolet light emitting diode: A review. Japanese Journal of Applied Physics, 2021, 60, 090501.	0.8	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.	1.7	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.	1.2	7
100	Computationally image-corrected dual-comb microscopy with a free-running single-cavity dual-comb fiber laser. Optics Express, 2021, 29, 5018.	1.7	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.	1.2	6
102	Multiple-Scattering-Free Optical Glucose Monitoring Based on Femtosecond Pulse Interferometry. Optical Review, 2005, 12, 202-206.	1.2	6
103	Palladium-Catalyzed [3+2] and [2+2+2] Annulations of 4-Iodoquinolones with Activated Alkynes through Selective C-H Activation. Chemistry - A European Journal, 2020, 26, 3749-3757.	1.7	6
104	Optical image amplification in dual-comb microscopy. Scientific Reports, 2020, 10, 8338.	1.6	6
105	Frequency-scanned microresonator soliton comb with tracking of the frequency of all comb modes. Optics Letters, 2021, 46, 3400.	1.7	6
106	Catalyst-Free C(sp <sup>2</sup> )-C(sp <sup>3</sup> ) Cross-Coupling of Bromodifluoroacetamides with 1-Iodoalkynes under Visible-Light Irradiation. Advanced Synthesis and Catalysis, 2021, 363, 4932.	2.1	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.	1.2	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 CO <sub>2</sub> Using Porphyrin-Based Cu(II) Metal-Organic Frameworks with 2D Coordination Networks. Bulletin of the Chemical Society of Japan, 2018, 91, 383-390.	2.0	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.	1.4	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.	1.7	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.	1.9	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 <i>In Vivo</i> Visualization of Dermal Collagen Fibers in Human Skin. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	1.9	4
119	Characteristics of nonlinear terahertz-wave radiation generated by mid-infrared femtosecond pulse laser excitation. Applied Physics Express, 2021, 14, 092004.	1.1	4
120	Development of novel potent ligands for <i>GPR85</i> , an orphan G protein-coupled receptor expressed in the brain. Genes To Cells, 2022, 27, 345-355.	0.5	4
121	<i>In vivo</i> 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.	1.8	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.	1.2	2
126	Scan-less, line-field confocal microscopy by combination of wavelength/space conversion with dual optical comb. , 2016, , .		2



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127	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
128	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
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 $\hat{1}^3$ -Difluoromethylated Tetronate Derivatives from Squarates Using Difluoromethylphosphonate. <i>Heterocycles</i> , 2019, 99, 363.	0.4	2
132	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
133	Generation of a microresonator soliton comb via current modulation of a DFB laser. <i>OSA Continuum</i> , 2020, 3, 3218.	1.8	2
134	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
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 with clomiphene and bromocriptine in patients with normoprolactinemic anovulation. <i>Journal of Endocrinological Investigation</i> , 1990, 13, 549-554.	1.8	1
137	Intermittent frequency offset lock of a symmetric three-mode stabilized He-Ne laser to an iodine stabilized He-Ne laser. <i>Optical Review</i> , 1996, 3, 528-534.	1.2	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. <i>Proceedings of SPIE</i> , 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.	1.9	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.	1.9	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.	0.9	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, , .		0
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
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