Keisuke Goda

List of Publications by Year
in descending order

236 papers	13,335 citations	18436 62 h-index	24179 110 g-index
251 all docs	251 docs citations	251 times ranked	10931 citing authors

#	Article	IF	Citations
1	LIGO: the Laser Interferometer Gravitational-Wave Observatory. Reports on Progress in Physics, 2009, 72, 076901.	8.1	971
2	Dispersive Fourier transformation for fast continuous single-shot measurements. Nature Photonics, 2013, 7, 102-112.	15.6	766
3	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973.	1.6	766
4	Serial time-encoded amplified imaging for real-time observation of fast dynamic phenomena. Nature, 2009, 458, 1145-1149.	13.7	718
5	Intelligent Image-Activated Cell Sorting. Cell, 2018, 175, 266-276.e13.	13.5	395
6	High-throughput single-microparticle imaging flow analyzer. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11630-11635.	3.3	333
7	An upper limit on the stochastic gravitational-wave background of cosmological origin. Nature, 2009, 460, 990-994.	13.7	303
8	A quantum-enhanced prototype gravitational-wave detector. Nature Physics, 2008, 4, 472-476.	6.5	280
9	Detector description and performance for the first coincidence observations between LIGO and GEO. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 517, 154-179.	0.7	259
10	Sequentially timed all-optical mapping photography (STAMP). Nature Photonics, 2014, 8, 695-700.	15.6	252
11	Optical Measurement of Cell Membrane Tension. Physical Review Letters, 2006, 97, 218101.	2.9	194
12	Theory of amplified dispersive Fourier transformation. Physical Review A, 2009, 80, .	1.0	179
13	Setting upper limits on the strength of periodic gravitational waves from PSRJ1939+2134using the first science data from the GEO 600 and LIGO detectors. Physical Review D, 2004, 69, .	1.6	165
14	Beating the Spin-Down Limit on Gravitational Wave Emission from the Crab Pulsar. Astrophysical Journal, 2008, 683, L45-L49.	1.6	160
15	SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. Astrophysical Journal, 2010, 713, 671-685.	1.6	155
16	Inertial Manipulation and Transfer of Microparticles Across Laminar Fluid Streams. Small, 2012, 8, 2757-2764.	5.2	144
17	Implications for the Origin of GRB 070201 from LIGO Observations. Astrophysical Journal, 2008, 681, 1419-1430.	1.6	143
18	Kerr-lens mode-locked bidirectional dual-comb ring laser for broadband dual-comb spectroscopy. Optica, 2016, 3, 748.	4.8	137

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19	Performance of serial time-encoded amplified microscope. Optics Express, 2010, 18, 10016.	1.7	132
20	Limits on Gravitational-Wave Emission from Selected Pulsars Using LIGO Data. Physical Review Letters, 2005, 94, 181103.	2.9	130
21	Label-free chemical imaging flow cytometry by high-speed multicolor stimulated Raman scattering. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15842-15848.	3.3	130
22	Searches for periodic gravitational waves from unknown isolated sources and Scorpius X-1: Results from the second LIGO science run. Physical Review D, 2007, 76, .	1.6	128
23	Search for gravitational waves from binary inspirals in S3 and S4 LIGO data. Physical Review D, 2008, 77, .	1.6	126
24	Observation of a kilogram-scale oscillator near its quantum ground state. New Journal of Physics, 2009, 11, 073032.	1.2	123
25	Upper limits on gravitational wave emission from 78 radio pulsars. Physical Review D, 2007, 76, .	1.6	121
26	Searching for a Stochastic Background of Gravitational Waves with the Laser Interferometer Gravitational-Wave Observatory. Astrophysical Journal, 2007, 659, 918-930.	1.6	120
27	Search for gravitational waves from low mass binary coalescences in the first year of LIGOâ€™s S5 data. Physical Review D, 2009, 79, .	1.6	120
28	Raman image-activated cell sorting. Nature Communications, 2020, 11, 3452.	5.8	116
29	High-throughput imaging flow cytometry by optofluidic time-stretch microscopy. Nature Protocols, 2018, 13, 1603-1631.	5.5	112
30	All-sky search for periodic gravitational waves in LIGO S4 data. Physical Review D, 2008, 77, .	1.6	110
31	Search for gravitational waves from galactic and extra-galactic binary neutron stars. Physical Review D, 2005, 72, .	1.6	109
32	Search for gravitational waves from low mass compact binary coalescence in 186 days of LIGOâ€™s fifth science run. Physical Review D, 2009, 80, .	1.6	105
33	Probing the metabolic heterogeneity of live Euglena gracilis with stimulated Raman scattering microscopy. Nature Microbiology, 2016, 1, 16124.	5.9	105
34	Design of electro-optic modulators based on graphene-on-silicon slot waveguides. Optics Letters, 2016, 41, 2501.	1.7	104
35	High-throughput label-free molecular fingerprinting flow cytometry. Science Advances, 2019, 5, eaau0241.	4.7	102
36	Optical time-stretch imaging: Principles and applications. Applied Physics Reviews, 2016, 3, 011102.	5.5	93

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37	Ultrafast confocal fluorescence microscopy beyond the fluorescence lifetime limit. Optica, 2018, 5, 117.	4.8	93
38	Intelligent image-activated cell sorting 2.0. Lab on A Chip, 2020, 20, 2263-2273.	3.1	93
39	Virtual-freezing fluorescence imaging flow cytometry. Nature Communications, 2020, 11, 1162.	5.8	93
40	Upper Limits on a Stochastic Background of Gravitational Waves. Physical Review Letters, 2005, 95, 221101.	2.9	89
41	Porous carbon nanowire array for surface-enhanced Raman spectroscopy. Nature Communications, 2020, 11, 4772.	5.8	86
42	All-Sky LIGO Search for Periodic Gravitational Waves in the Early Fifth-Science-Run Data. Physical Review Letters, 2009, 102, 111102.	2.9	83
43	Einstein@Home search for periodic gravitational waves in LIGO S4 data. Physical Review D, 2009, 79, .	1.6	83
44	Efficient selective breeding of live oil-rich Euglena gracilis with fluorescence-activated cell sorting. Scientific Reports, 2016, 6, 26327.	1.6	83
45	Hybrid Dispersion Laser Scanner. Scientific Reports, 2012, 2, 445.	1.6	82
46	AI on a chip. Lab on A Chip, 2020, 20, 3074-3090.	3.1	80
47	Search for gravitational waves from primordial black hole binary coalescences in the galactic halo. Physical Review D, 2005, 72, .	1.6	79
48	Search for gravitational-wave bursts in the first year of the fifth LIGO science run. Physical Review D, 2009, 80, .	1.6	79
49	Search for gravitational-wave bursts in LIGO data from the fourth science run. Classical and Quantum Gravity, 2007, 24, 5343-5369.	1.5	78
50	Amplified dispersive Fourier-transform imaging for ultrafast displacement sensing and barcode reading. Applied Physics Letters, 2008, 93, 131109.	1.5	78
51	Einstein@Home search for periodic gravitational waves in early S5 LIGO data. Physical Review D, 2009, 80, .	1.6	78
52	Label-free detection of cellular drug responses by high-throughput bright-field imaging and machine learning. Scientific Reports, 2017, 7, 12454.	1.6	78
53	Focusing subwavelength grating coupler for mid-infrared suspended membrane germanium waveguides. Optics Letters, 2017, 42, 2094.	1.7	76
54	First all-sky upper limits from LIGO on the strength of periodic gravitational waves using the Hough transform. Physical Review D, 2005, 72, .	1.6	75

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55	Search for gravitational waves from binary black hole inspirals in LIGO data. Physical Review D, 2006, 73, .	1.6	75
56	Search for gravitational waves associated with the gamma ray burst GRB030329 using the LIGO detectors. Physical Review D, 2005, 72, .	1.6	74
57	High-speed nanometer-resolved imaging vibrometer and velocimeter. Applied Physics Letters, 2011, 98, .	1.5	72
58	A practical guide to intelligent image-activated cell sorting. Nature Protocols, 2019, 14, 2370-2415.	5.5	71
59	Shape-based separation of microalga Euglena gracilis using inertial microfluidics. Scientific Reports, 2017, 7, 10802.	1.6	70
60	Search for Gravitational-Wave Bursts from Soft Gamma Repeaters. Physical Review Letters, 2008, 101, 211102.	2.9	69
61	Quantum noise locking. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S421-S428.	1.4	68
62	Broadband coherent Raman spectroscopy running at 24,000 spectra per second. Scientific Reports, 2016, 6, 21036.	1.6	67
63	Label-free detection of aggregated platelets in blood by machine-learning-aided optofluidic time-stretch microscopy. Lab on A Chip, 2017, 17, 2426-2434.	3.1	65
64	Interplay of hot electrons from localized and propagating plasmons. Nature Communications, 2017, 8, 771.	5.8	64
65	Sequentially timed all-optical mapping photography (STAMP) utilizing spectral filtering. Optics Express, 2015, 23, 30512.	1.7	63
66	Search for gravitational waves associated with 39 gamma-ray bursts using data from the second, third, and fourth LIGO runs. Physical Review D, 2008, 77, .	1.6	60
67	SEARCH FOR GRAVITATIONAL-WAVE BURSTS ASSOCIATED WITH GAMMA-RAY BURSTS USING DATA FROM LIGO SCIENCE RUN 5 AND VIRGO SCIENCE RUN 1. Astrophysical Journal, 2010, 715, 1438-1452.	1.6	60
68	Highâ€throughput, labelâ€free, singleâ€cell, microalgal lipid screening by machineâ€learningâ€equipped optofluidic timeâ€stretch quantitative phase microscopy. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 494-502.	1.1	60
69	Size-based sorting of hydrogel droplets using inertial microfluidics. Lab on A Chip, 2018, 18, 2575-2582.	3.1	60
70	Upper limits on gravitational wave bursts in LIGOâ€™s second science run. Physical Review D, 2005, 72, .	1.6	57
71	Sequentially addressable dielectrophoretic array for high-throughput sorting of large-volume biological compartments. Science Advances, 2020, 6, eaba6712.	4.7	56
72	High-Throughput Raman Flow Cytometry and Beyond. Accounts of Chemical Research, 2021, 54, 2132-2143.	7.6	55

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73	Search of S3 LIGO data for gravitational wave signals from spinning black hole and neutron star binary inspirals. Physical Review D, 2008, 78, .	1.6	54
74	A Gelatin Microdroplet Platform for Highâ€Throughput Sorting of Hyperproducing Singleâ€Cellâ€Derived Microalgal Clones. Small, 2018, 14, e1803315.	5.2	52
75	Search for gravitational wave radiation associated with the pulsating tail of the SGR<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1806</mml:mn><mml:mo>âˆ’</mml:mo><mml:mn>20</mml:mn></mml:math>hyperflare of 27 December 2004 using LIGO. Physical Review D, 2007, 76, .	1.6	51
76	High-throughput optical coherence tomography at 800 nm. Optics Express, 2012, 20, 19612.	1.7	50
77	Ultrafast optical imaging technology: principles and applications of emerging methods. Nanophotonics, 2016, 5, 497-509.	2.9	49
78	Intelligent classification of platelet aggregates by agonist type. ELife, 2020, 9, .	2.8	49
79	Intelligent whole-blood imaging flow cytometry for simple, rapid, and cost-effective drug-susceptibility testing of leukemia. Lab on A Chip, 2019, 19, 2688-2698.	3.1	48
80	First LIGO search for gravitational wave bursts from cosmic (super)strings. Physical Review D, 2009, 80, .	1.6	45
81	STACKED SEARCH FOR GRAVITATIONAL WAVES FROM THE 2006 SGR 1900+14 STORM. Astrophysical Journal, 2009, 701, L68-L74.	1.6	45
82	Ultrafast broadband Fourier-transform CARS spectroscopy at 50,000 spectra/s enabled by a scanning Fourier-domain delay line. Vibrational Spectroscopy, 2017, 91, 163-169.	1.2	44
83	Inertial focusing of ellipsoidal Euglena gracilis cells in a stepped microchannel. Lab on A Chip, 2016, 16, 4458-4465.	3.1	43
84	Search for gravitational-wave bursts in LIGO's third science run. Classical and Quantum Gravity, 2006, 23, S29-S39.	1.5	40
85	Simultaneous mechanical-scan-free confocal microscopy and laser microsurgery. Optics Letters, 2009, 34, 2099.	1.7	40
86	Droplet flow cytometry for single-cell analysis. RSC Advances, 2021, 11, 20944-20960.	1.7	40
87	Massive image-based single-cell profiling reveals high levels of circulating platelet aggregates in patients with COVID-19. Nature Communications, 2021, 12, 7135.	5.8	40
88	Highly Scalable, Wearable Surfaceâ€Enhanced Raman Spectroscopy. Advanced Optical Materials, 2022, 10, .	3.6	40
89	Mid-infrared high-Q germanium microring resonator. Optics Letters, 2018, 43, 2885.	1.7	39
90	Toward Deep Biophysical Cytometry: Prospects and Challenges. Trends in Biotechnology, 2021, 39, 1249-1262.	4.9	39

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91	Search for gravitational wave ringdowns from perturbed black holes in LIGO S4 data. Physical Review D, 2009, 80, .	1.6	38
92	Real-time optical reflectometry enabled by amplified dispersive Fourier transformation. Applied Physics Letters, 2008, 93, .	1.5	37
93	High-Speed Imaging Meets Single-Cell Analysis. CheM, 2018, 4, 2278-2300.	5.8	37
94	Optofluidic time-stretch quantitative phase microscopy. Methods, 2018, 136, 116-125.	1.9	35
95	On-chip light-sheet fluorescence imaging flow cytometry at a high flow speed of 1 m/s. Biomedical Optics Express, 2018, 9, 3424.	1.5	35
96	Nomarski serial time-encoded amplified microscopy for high-speed contrast-enhanced imaging of transparent media. Biomedical Optics Express, 2011, 2, 3387.	1.5	34
97	High-throughput label-free image cytometry and image-based classification of live Euglena gracilis. Biomedical Optics Express, 2016, 7, 2703.	1.5	34
98	Real-time measurements, rare events and photon economics. European Physical Journal: Special Topics, 2010, 185, 145-157.	1.2	33
99	Ultrafast dark-field surface inspection with hybrid-dispersion laser scanning. Applied Physics Letters, 2014, 104, 251106.	1.5	33
100	Search for high frequency gravitational-wave bursts in the first calendar year of LIGOâ€™s fifth science run. Physical Review D, 2009, 80, .	1.6	32
101	Ultrafast web inspection with hybrid dispersion laser scanner. Applied Optics, 2013, 52, 4072.	0.9	30
102	Graphene-on-silicon hybrid plasmonic-photonic integrated circuits. Nanotechnology, 2017, 28, 245201.	1.3	29
103	High-throughput optofluidic particle profiling with morphological and chemical specificity. Optics Letters, 2015, 40, 4803.	1.7	28
104	All-dielectric chiral-field-enhanced Raman optical activity. Nature Communications, 2021, 12, 3062.	5.8	28
105	Mid-infrared germanium photonic crystal cavity. Optics Letters, 2017, 42, 2882.	1.7	27
106	Synthetic hydrogel nanoparticles for sepsis therapy. Nature Communications, 2021, 12, 5552.	5.8	27
107	Interferometers for Displacement-Noise-Free Gravitational-Wave Detection. Physical Review Letters, 2006, 97, 151103.	2.9	26
108	Astrophysically triggered searches for gravitational waves: status and prospects. Classical and Quantum Gravity, 2008, 25, 114051.	1.5	26

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109	Optically amplified detection for biomedical sensing and imaging. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 2124.	0.8	26
110	Optical time-domain analog pattern correlator for high-speed real-time image recognition. Optics Letters, 2011, 36, 220.	1.7	24
111	High-speed microparticle isolation unlimited by Poisson statistics. Lab on A Chip, 2019, 19, 2669-2677.	3.1	23
112	High-Throughput Accurate Single-Cell Screening of Euglena gracilis with Fluorescence-Assisted Optofluidic Time-Stretch Microscopy. PLoS ONE, 2016, 11, e0166214.	1.1	23
113	First joint search for gravitational-wave bursts in LIGO and GEO 600 data. Classical and Quantum Gravity, 2008, 25, 245008.	1.5	22
114	Deep imaging flow cytometry. Lab on A Chip, 2022, 22, 876-889.	3.1	22
115	Dual-Comb Coherent Raman Spectroscopy with near 100% Duty Cycle. ACS Photonics, 2021, 8, 975-981.	3.2	21
116	Intelligent frequency-shifted optofluidic time-stretch quantitative phase imaging. Optics Express, 2020, 28, 519.	1.7	21
117	Design for sequentially timed all-optical mapping photography with optimum temporal performance. Optics Letters, 2015, 40, 633.	1.7	20
118	High-Q germanium optical nanocavity. Photonics Research, 2018, 6, 925.	3.4	20
119	Highâ€speed broadband Fourierâ€transform coherent antiâ€stokes Raman scattering spectral microscopy. Journal of Raman Spectroscopy, 2019, 50, 1141-1146.	1.2	20
120	Effects of Flowâ€Induced Microfluidic Chip Wall Deformation on Imaging Flow Cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 909-920.	1.1	20
121	Frequency-resolving spatiotemporal wave-front sensor. Optics Letters, 2004, 29, 1452.	1.7	18
122	Single-Cell Analysis of Morphological and Metabolic Heterogeneity in <i>Euglena gracilis</i> by Fluorescence-Imaging Flow Cytometry. Analytical Chemistry, 2018, 90, 11280-11289.	3.2	18
123	Microfluidic single-particle chemical analyzer with dual-comb coherent Raman spectroscopy. Optics Letters, 2018, 43, 4057.	1.7	18
124	GEM-IL: A highly responsive fluorescent lactate indicator. Cell Reports Methods, 2021, 1, 100092.	1.4	17
125	A joint search for gravitational wave bursts with AURIGA and LIGO. Classical and Quantum Gravity, 2008, 25, 095004.	1.5	16
126	Targeted delivery of fluorogenic peptide aptamers into live microalgae by femtosecond laser photoporation at single-cell resolution. Scientific Reports, 2018, 8, 8271.	1.6	16

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127	Enhancement in acoustic focusing of micro and nanoparticles by thinning a microfluidic device. Royal Society Open Science, 2019, 6, 181776.	1.1	16
128	Intelligent Platelet Morphometry. Trends in Biotechnology, 2021, 39, 978-989.	4.9	16
129	High-speed single-pixel imaging by frequency-time-division multiplexing. Optics Letters, 2020, 45, 2339.	1.7	16
130	Progress on mid-IR graphene photonics and biochemical applications. Frontiers of Optoelectronics, 2016, 9, 259-269.	1.9	15
131	Design of waveguide-integrated graphene devices for photonic gas sensing. Nanotechnology, 2016, 27, 505206.	1.3	15
132	Virtual optofluidic time-stretch quantitative phase imaging. APL Photonics, 2020, 5, 046103.	3.0	15
133	Large-scale label-free single-cell analysis of paramylon in Euglena gracilis by high-throughput broadband Raman flow cytometry. Biomedical Optics Express, 2020, 11, 1752.	1.5	15
134	Generation of a stable low-frequency squeezed vacuum field with periodically poled KTiOPO_4 at 1064 nm. Optics Letters, 2008, 33, 92.	1.7	14
135	Demonstration of Raman gain at 800 nm in single-mode fiber and its potential application to biological sensing and imaging. Applied Physics Letters, 2009, 95, 251101.	1.5	13
136	AI boosts photonics and vice versa. APL Photonics, 2020, 5, 070401.	3.0	13
137	Acoustofluidic harvesting of microalgae on a single chip. Biomicrofluidics, 2016, 10, 034119.	1.2	12
138	GHz Optical Time-Stretch Microscopy by Compressive Sensing. IEEE Photonics Journal, 2017, 9, 1-8.	1.0	12
139	Rapid-scan Fourier-transform coherent anti-Stokes Raman scattering spectroscopy with heterodyne detection. Optics Letters, 2017, 42, 4335.	1.7	12
140	Intelligent Image Deâ€Blurring for Imaging Flow Cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 549-554.	1.1	12
141	Direct control of store-operated calcium channels by ultrafast laser. Cell Research, 2021, 31, 758-772.	5.7	12
142	Time-Lapse Nanoscopy of Friction in the Non-Amontons and Non-Coulomb Regime. Nano Letters, 2015, 15, 1476-1480.	4.5	11
143	In Flow Cytometry, Image Is Everything. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 475-477.	1.1	11
144	Ultrafast Simultaneous Raman-Fluorescence Spectroscopy. Analytical Chemistry, 2019, 91, 15563-15569.	3.2	11

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145	Sagnac-enhanced impulsive stimulated Raman scattering for highly sensitive low-frequency Raman spectroscopy. Optics Letters, 2019, 44, 5282.	1.7	11
146	Accurate classification of microalgae by intelligent frequency-division-multiplexed fluorescence imaging flow cytometry. OSA Continuum, 2020, 3, 430.	1.8	11
147	3D ultrafast laser scanner. Proceedings of SPIE, 2013, , .	0.8	10
148	Spectrum slicer for snapshot spectral imaging. Optical Engineering, 2015, 54, 1.	0.5	10
149	Sequentially timed all-optical mapping photography boosted by a branched 4f system with a slicing mirror. Optics Express, 2020, 28, 31914.	1.7	10
150	Highâ€Throughput Ramanâ€Activated Cell Sorting in the Fingerprint Region. Advanced Materials Technologies, 2022, 7, .	3.0	10
151	Monitoring Photosynthetic Activity in Microalgal Cells by Raman Spectroscopy with Deuterium Oxide as a Tracking Probe. ChemBioChem, 2017, 18, 2063-2068.	1.3	9
152	Giant Optical Activity in an Allâ€Dielectric Spiral Nanoflower. Small, 2018, 14, e1800485.	5.2	9
153	Are droplets really suitable for single-cell analysis? A case study on yeast in droplets. Lab on A Chip, 2021, 21, 3793-3803.	3.1	9
154	Best practices for reporting throughput in biomedical research. Nature Methods, 2022, 19, 633-634.	9.0	9
155	Noise figure of amplified dispersive Fourier transformation. Physical Review A, 2010, 82, .	1.0	8
156	High-speed multispectral videography with a periscope array in a spectral shaper. Optics Letters, 2014, 39, 6942.	1.7	8
157	Optofluidic time-stretch microscopy: recent advances. Optical Review, 2018, 25, 464-472.	1.2	8
158	The complete optical oscilloscope. Nature Photonics, 2018, 12, 190-191.	15.6	7
159	Morphological Indicator for Directed Evolution of Euglena gracilis with a High Heavy Metal Removal Efficiency. Environmental Science & Technology, 2021, 55, 7880-7889.	4.6	7
160	Temporally interleaved optical time-stretch imaging. Optics Letters, 2020, 45, 2387.	1.7	7
161	Ultrafast impulsive Raman spectroscopy across the terahertzâ€"fingerprint region. Advanced Photonics, 2022, 4, .	6.2	7
162	Mechanism of Traumatic Brain Injury at Distant Locations After Exposure to Blast Waves: Preliminary Results from Animal and Phantom Experiments. Acta Neurochirurgica Supplementum, 2016, 122, 3-7.	0.5	6

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163	Compressed time-domain coherent Raman spectroscopy with real-time random sampling. Vibrational Spectroscopy, 2020, 107, 103042.	1.2	6
164	Dual sequentially addressable dielectrophoretic array for high-throughput, scalable, multiplexed droplet sorting. Microfluidics and Nanofluidics, 2021, 25, 1.	1.0	6
165	Highly sensitive Fourier-transform coherent anti-Stokes Raman scattering spectroscopy via genetic algorithm pulse shaping. Optics Letters, 2021, 46, 4320.	1.7	6
166	Simple, stable, compact implementation of frequency-division-multiplexed microscopy by inline interferometry. Optics Letters, 2019, 44, 467.	1.7	6
167	Comment on â€œGhost cytometryâ€. Science, 2019, 364, .	6.0	6
168	Ultrafast imaging for uncovering laserâ€“material interaction dynamics. International Journal of Mechanical System Dynamics, 2022, 2, 65-81.	1.3	6
169	Noninvasive measurements of cavity parameters by use of squeezed vacuum. Physical Review A, 2006, 74, .	1.0	5
170	Breaking Speed and Sensitivity Limits. Optik & Photonik, 2010, 5, 32-36.	0.3	5
171	Jammed-array wideband sawtooth filter. Optics Express, 2011, 19, 24563.	1.7	5
172	Biophotonics and beyond. APL Photonics, 2019, 4, 050401.	3.0	5
173	Highâ€throughput sorting of nanoliter droplets enabled by a sequentially addressable dielectrophoretic array. Electrophoresis, 2022, 43, 477-486.	1.3	5
174	Metal-free SERS: Where we are now, where we are heading. Europhysics Letters, 2021, 136, 34001.	0.7	5
175	Upper limits on the strength of periodic gravitational waves from PSR J1939+2134. Classical and Quantum Gravity, 2004, 21, S671-S676.	1.5	4
176	Spatiotemporal monitoring of intracellular metabolic dynamics by resonance Raman microscopy with isotope labeling. RSC Advances, 2020, 10, 16679-16686.	1.7	4
177	Understanding stenosis-induced platelet aggregation on a chip by high-speed optical imaging. Sensors and Actuators B: Chemical, 2022, 356, 131318.	4.0	4
178	Intelligent imageâ€activated sorting of <i>Chlamydomonas reinhardtii</i> by mitochondrial localization. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2022, 101, 1027-1034.	1.1	4
179	Real-time image processor for detection of rare cells and particles in flow at 37 MHz line scans per second. , 2013, , .		3
180	Mechanism for microtsunami-induced intercellular mechanosignalling. Nature Photonics, 2015, 9, 623-623.	15.6	3

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181	Dispersive Fourier transformation in the 800 nm spectral range. , 2012, , .		3
182	Analysis of signal detection configurations in optical time-stretch imaging. Optics Express, 2020, 28, 29272.	1.7	3
183	A computational approach to real-time image processing for serial time-encoded amplified microscopy. , 2016, , .		2
184	High-throughput, label-free, multivariate cell analysis with optofluidic time-stretch microscopy. , 2017, , .		2
185	Highly Sensitive Low-Frequency Time-Domain Raman Spectroscopy via Fluorescence Encoding. Journal of Physical Chemistry Letters, 2021, 12, 7859-7865.	2.1	2
186	Intelligent sortâ€timing prediction for imageâ€activated cell sorting. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2023, 103, 88-97.	1.1	2
187	Serial Time Encoded Amplified Microscopy. , 2009, , .		1
188	Phase-contrast serial time-encoded amplified microscopy. , 2009, , .		1
189	Serial Time Encoded Amplified Microscopy (STEAM) for high-throughput detection of rare cells. , 2010, , .		1
190	All-Optical Passive Periodic Sawtooth Filter and its Application to Fast Interrogation of Fiber Bragg Grating Sensor Array. , 2012, , .		1
191	Inertial Microfluidics: Inertial Manipulation and Transfer of Microparticles Across Laminar Fluid Streams (Small 17/2012). Small, 2012, 8, 2765-2765.	5.2	1
192	Ultrafast automated image cytometry for cancer detection. , 2013, 2013, 129-32.		1
193	Particle/cell manipulation and sorting with surface acoustic waves in a microfluidic device. , 2016, , .		1
194	Enhanced speed in fluorescence imaging using beat frequency multiplexing. Proceedings of SPIE, 2016, , .	0.8	1
195	High-throughput time-stretch microscopy with morphological and chemical specificity. Proceedings of SPIE, 2016, , .	0.8	1
196	High-throughput label-free screening of euglena gracilis with optofluidic time-stretch quantitative phase microscopy. , 2017, , .		1
197	High-speed bioimaging with frequency-division-multiplexed fluorescence confocal microscopy. Proceedings of SPIE, 2017, , .	0.8	1
198	<scp>CYTO</scp> Virtual. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2021, 99, 127-128.	1.1	1

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199	Performance of serial time-encoded amplified microscopy. , 2010, , .		1
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201	Publisherâ€™s Note: Upper limits on gravitational wave emission from 78 radio pulsars [Phys. Rev. D76, 042001 (2007)]. Physical Review D, 2008, 77, .	1.6	0
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