

# Totaro Imasaka

## List of Publications by Year in descending order

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170  
papers

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171  
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171  
docs citations

171  
times ranked

1040  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Chromatography. Analytical Chemistry, 1995, 67, 1763-1765.	6.5	140
2	Theory of Optical Chromatography. Analytical Chemistry, 1997, 69, 2701-2710.	6.5	130
3	A new approach for the generation of ultrashort optical pulses. Optics Communications, 1993, 96, 94-98.	2.1	110
4	Hadamard Transform Capillary Electrophoresis. Analytical Chemistry, 1999, 71, 5444-5446.	6.5	73
5	Enhancement of the Molecular Ion Peak from Halogenated Benzenes and Phenols Using Femtosecond Laser Pulses in Conjunction with Supersonic Beam/Multiphoton Ionization Mass Spectrometry. Analytical Chemistry, 1997, 69, 4524-4529.	6.5	69
6	Generation of more than 40 rotational Raman lines by picosecond and femtosecond Ti:sapphire laser for Fourier synthesis. Applied Physics B: Lasers and Optics, 1997, 65, 1-4.	2.2	45
7	Ultratrace Analysis Based on Hadamard Transform Capillary Electrophoresis. Analytical Chemistry, 2002, 74, 2257-2260.	6.5	45
8	Hadamard Transform Microchip Electrophoresis Combined with Diode Laser Fluorometry. Analytical Chemistry, 2003, 75, 1765-1768.	6.5	44
9	An "Optical Channel" A Technique for the Evaluation of Biological Cell Elasticity. Analytical Chemistry, 2001, 73, 5791-5795.	6.5	43
10	Optical chromatography. Talanta, 1999, 48, 551-557.	5.5	41
11	Resonant and Nonresonant Multiphoton Ionization Processes in the Mass Spectrometry of Explosives. Analytical Chemistry, 2015, 87, 3027-3031.	6.5	40
12	Supersonic Jet/Multiphoton Ionization/Mass Spectrometry of Dioxins Formed by the Thermal Reaction of Phenols in the Absence and Presence of an FeCl <sub>3</sub> Catalyst. Analytical Chemistry, 2000, 72, 2648-2652.	6.5	36
13	Hadamard Transform Capillary Electrophoresis Combined with Absorption Spectrometry. Analytical Chemistry, 2004, 76, 4421-4425.	6.5	35
14	Application of Optical Chromatography to Immunoassay. Analytical Chemistry, 1997, 69, 2711-2715.	6.5	34
15	Determination of cyanine-labeled amino acid enantiomers by cyclodextrin-modified capillary gel electrophoresis combined with diode laser fluorescence detection. Journal of Chromatography A, 1998, 805, 295-300.	3.7	32
16	Indirect Detection of Aromatic Hydrocarbons by Semiconductor Laser Fluorometry in Micellar Electrokinetic Chromatography. Analytical Chemistry, 1995, 67, 829-834.	6.5	30
17	Effect of Laser Pulse Width on Ionization Efficiency in Supersonic Beam-Multiphoton Ionization-Mass Spectrometry. Analytical Chemistry, 1999, 71, 3763-3768.	6.5	30
18	Critical assessment: Use of supersonic jet spectrometry for complex mixture analysis (IUPAC Technical) Tj ETQq0 0 0,rgBT /Overlock 10	1.9	30

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19	Scheme for collinear ionization in supersonic jet/multiphoton ionization/time-of-flight mass spectrometry. <i>Analytica Chimica Acta</i> , 2000, 412, 213-219.	5.4	28
20	Immunoassay for human serum albumin using capillary electrophoresis-semiconductor laser-induced fluorometry. <i>Biomedical Applications</i> , 2001, 759, 337-342.	1.7	27
21	Trace Analysis of Polycyclic Aromatic Hydrocarbons Using Gas Chromatography-Mass Spectrometry Based on Nanosecond Multiphoton Ionization. <i>Analytical Sciences</i> , 2010, 26, 841-846.	1.6	27
22	Analysis of pesticides by gas chromatography/multiphoton ionization/mass spectrometry using a femtosecond laser. <i>Analytica Chimica Acta</i> , 2011, 701, 52-59.	5.4	27
23	Analysis of Persistent Organic Pollutants at Sub-Femtogram Levels Using a High-Power Picosecond Laser for Multiphoton Ionization in Conjunction with Gas Chromatography/Time-of-Flight Mass Spectrometry. <i>Analytical Sciences</i> , 2012, 28, 445-450.	1.6	27
24	Gas chromatography/multiphoton ionization/time-of-flight mass spectrometry using a femtosecond laser. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6907-6912.	3.7	27
25	Phase-Matched Raman-Resonant Four-Wave Mixing in a Dispersion-Compensated High-Finesse Optical Cavity. <i>Physical Review Letters</i> , 2008, 100, 073901.	7.8	26
26	Generation of vibrational and rotational emissions by four-wave Raman mixing using an ultraviolet femtosecond pump beam. <i>Optics Letters</i> , 1995, 20, 2072.	3.3	25
27	Semiconductor Laser Spectrometry. <i>Analytical Sciences</i> , 1993, 9, 329-344.	1.6	24
28	Gas Chromatography/Femtosecond Multiphoton Ionization/Time-of-Flight Mass Spectrometry of Dioxins. <i>Analytical Chemistry</i> , 2010, 82, 6519-6525.	6.5	24
29	Fiber-Optic pH Sensor with Monolayer Indicator. <i>Analytical Sciences</i> , 1987, 3, 7-9.	1.6	23
30	Micellar electrokinetic chromatography with diode laser-induced fluorescence detection as a tool for investigating the fluorescence labeling of proteins. <i>Electrophoresis</i> , 2002, 23, 550-555.	2.4	23
31	Development of a Compact Supersonic Jet/Multiphoton Ionization/Time-of-Flight Mass Spectrometer for the On-site Analysis of Dioxin. Part I: Evaluation of Basic Performance.. <i>Analytical Sciences</i> , 2003, 19, 379-382.	1.6	22
32	Determination of Fragrance Allergens by Ultraviolet Femtosecond Laser Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 10693-10700.	6.5	22
33	Development of a Compact Supersonic Jet/Multiphoton Ionization/Time-of-Flight Mass Spectrometer for the On-site Analysis of Dioxin. Part II: Application to Chlorobenzene and Dibenzofuran.. <i>Analytical Sciences</i> , 2003, 19, 383-386.	1.6	21
34	Gas Chromatography/Multiphoton Ionization/Mass Spectrometry of Polychlorinated Dibenzofurans Using Nanosecond and Femtosecond Lasers. <i>Analytical Sciences</i> , 2006, 22, 1483-1487.	1.6	21
35	Generation of a continuous-wave pulse train at a repetition rate of 176THz. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 1037.	2.1	21
36	Generation of Highly Repetitive Optical Pulses Based on Intracavity Four-Wave Raman Mixing. <i>Physical Review Letters</i> , 2001, 87, 223901.	7.8	20

#	ARTICLE	IF	CITATIONS
37	High-order Raman sidebands generated from the near-infrared to ultraviolet region by four-wave Raman mixing of hydrogen using an ultrashort two-color pump beam. <i>Optics Express</i> , 2012, 20, 27959.	3.4	20
38	Diode lasers in analytical chemistry. <i>Talanta</i> , 1999, 48, 305-320.	5.5	19
39	Development of Tunable Picosecond Dye Laser for Multiphoton Ionization of Dioxin Precursors in Supersonic Jet/Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2001, 73, 4417-4421.	6.5	19
40	Detection of 27 Molecules in a Single Injection Volume by Hadamard Transform Capillary Electrophoresis. <i>Analytical Sciences</i> , 2003, 19, 1659-1661.	1.6	19
41	Pulse compression based on coherent molecular motion induced by transient stimulated Raman scattering. <i>Optics Express</i> , 2006, 14, 3083.	3.4	19
42	Analysis of Dioxins by Gas Chromatography/Resonance-Enhanced Multiphoton Ionization/Mass Spectrometry Using Nanosecond and Picosecond Lasers. <i>Analytical Chemistry</i> , 2011, 83, 60-66.	6.5	19
43	Band broadening caused by the multiple labeling of proteins in micellar electrokinetic chromatography with diode laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 2002, 959, 281-287.	3.7	18
44	The efficiencies of resonant and nonresonant multiphoton ionization in the femtosecond region. <i>Analyst</i> , 2016, 141, 5274-5280.	3.5	18
45	Hadamard transform capillary electrophoresis combined with laser-induced fluorometry using electrokinetic injection. <i>Analytica Chimica Acta</i> , 2006, 556, 178-182.	5.4	17
46	Generation of intense 11-fs ultraviolet pulses using phase modulation by two types of coherent molecular motions. <i>Optics Express</i> , 2008, 16, 13492.	3.4	17
47	Near-ultraviolet femtosecond laser ionization of dioxins in gas chromatography/time-of-flight mass spectrometry. <i>Analytica Chimica Acta</i> , 2009, 632, 229-233.	5.4	17
48	Determination of Pesticides by Gas Chromatography Combined with Mass Spectrometry Using Femtosecond Lasers Emitting at 267, 400, and 800 nm as the Ionization Source. <i>Analytical Chemistry</i> , 2018, 90, 4886-4893.	6.5	17
49	Supersonic jet multiphoton ionization mass spectrometry using nanosecond and femtosecond pulse lasers. <i>Analytica Chimica Acta</i> , 1997, 343, 129-133.	5.4	16
50	Enhancement of Molecular Ions in Mass Spectrometry Using an Ultrashort Optical Pulse in Multiphoton Ionization. <i>Analytical Chemistry</i> , 2010, 82, 3441-3444.	6.5	15
51	Determination of triacetone triperoxide using ultraviolet femtosecond multiphoton ionization time-of-flight mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 853, 508-513.	5.4	15
52	Effect of organic modifier on resolution of hydrophobic compounds by micellar electrokinetic chromatography. <i>Electrophoresis</i> , 1994, 15, 1276-1279.	2.4	14
53	Analysis of Photoablation Products Resulting from Polymer Materials by Supersonic Beam/Multiphoton Ionization/Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 1996, 68, 1153-1157.	6.5	14
54	Determination of dye/protein ratios in a labeling reaction between a cyanine dye and bovine serum albumin by micellar electrokinetic chromatography using a diode laser-induced fluorescence detection. <i>Electrophoresis</i> , 2002, 23, 2465-2470.	2.4	14

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55	On-Line Concentration of a Protein Using Denaturation by Sodium Dodecyl Sulfate. <i>Analytical Sciences</i> , 2005, 21, 37-42.	1.6	14
56	Ionization of pesticides using a far-ultraviolet femtosecond laser in gas chromatography/time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7053-7059.	3.7	14
57	Multiphoton ionization mass spectrometry of nitrated polycyclic aromatic hydrocarbons. <i>Talanta</i> , 2015, 140, 109-114.	5.5	14
58	Supersonic Jet Fluorimetry Using Spectrometric Multichannel Analyzer for Detection in Gas Chromatography. <i>Analytical Sciences</i> , 1988, 4, 31-35.	1.6	13
59	Molecular-optic modulator. <i>Applied Physics Letters</i> , 2006, 88, 074101.	3.3	13
60	Determination of polycyclic aromatic hydrocarbons and their nitro-, amino-derivatives absorbed on particulate matter 2.5 by multiphoton ionization mass spectrometry using far-, deep-, and near-ultraviolet femtosecond lasers. <i>Chemosphere</i> , 2016, 152, 252-258.	8.2	13
61	Separation and Detection of Cyanine-Labeled Amino Acids by Micellar Electrokinetic Chromatography Combined with Fluorescence Detection Using Diode-Based Solid-State Lasers. <i>Analytical Sciences</i> , 1998, 14, 1017-1019.	1.6	12
62	Visualization of an immunological reaction between single antigen and antibody molecules by optical chromatography. <i>Analytica Chimica Acta</i> , 2000, 404, 1-6.	5.4	12
63	Capillary electrophoresis immunoassay based on an on-column immunological reaction. <i>Journal of Chromatography A</i> , 2005, 1066, 197-203.	3.7	12
64	On-column capture of a specific protein in capillary electrophoresis using magnetic beads. <i>Electrophoresis</i> , 2006, 27, 3218-3223.	2.4	12
65	Gas chromatography/time-of-flight mass spectrometry of triacetone triperoxide based on femtosecond laser ionization. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3101-3106.	1.5	12
66	Analysis of proteins in biological samples by capillary sieving electrophoresis with postcolumn derivatization/laser-induced fluorescence detection. <i>Electrophoresis</i> , 2011, 32, 1061-1067.	2.4	12
67	Optimal Laser Wavelength for Femtosecond Ionization of Polycyclic Aromatic Hydrocarbons and Their Nitrated Compounds in Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 2963-2969.	6.5	12
68	Supersonic Jet/Time-of-flight mass spectrometry of adenine using nanosecond and femtosecond lasers. <i>Talanta</i> , 1996, 43, 1925-1929.	5.5	11
69	The "Optical Funnel": A Technique for Measuring a Microorganism's Power. <i>Analytical Chemistry</i> , 1998, 70, 3513-3515.	6.5	11
70	The generation of a tunable laser emission in the vacuum ultraviolet and its application to supersonic jet/multiphoton ionization mass spectrometry. <i>Review of Scientific Instruments</i> , 1999, 70, 3254-3258.	1.3	11
71	Application of Hadamard transformation to MEKC. <i>Electrophoresis</i> , 2007, 28, 328-334.	2.4	11
72	Postcolumn reactor using a laser-drilled capillary for light-emitting diode-induced fluorescence detection in CE. <i>Electrophoresis</i> , 2007, 28, 4143-4149.	2.4	11

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73	On-Line Concentration by Analyte Adsorption and Subsequent Laser Desorption in Supersonic Jet Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 3798-3802.	6.5	11
74	Data processing technique in gas chromatography/time-of-flight mass spectrometry. <i>Analyst, The</i> , 2009, 134, 712.	3.5	11
75	Selective Ionization of 2,4-Xylenol in Mass Spectrometry Using a Tunable Laser and Supersonic Jet Technique. <i>Analytical Sciences</i> , 2009, 25, 599-604.	1.6	11
76	Gas chromatography/multiphoton ionization/time-of-flight mass spectrometry of polychlorinated biphenyls. <i>Analytica Chimica Acta</i> , 2011, 694, 108-114.	5.4	11
77	Resonant and non-resonant femtosecond ionization mass spectrometry of organochlorine pesticides. <i>Analyst, The</i> , 2020, 145, 777-783.	3.5	11
78	S0 and S1 States of Monochlorophenols: Ab Initio CASSCF MO Study. <i>Journal of Physical Chemistry A</i> , 2001, 105, 9252-9257.	2.5	10
79	A Tunable Picosecond Dye Laser for Use in Dioxin Analysis.. <i>Analytical Sciences</i> , 2002, 18, 243-246.	1.6	10
80	Use of Ring-Repeller, Double-Skimmer Electrodes for Efficient Ion Focusing in Mass Spectrometry.. <i>Analytical Sciences</i> , 2002, 18, 567-570.	1.6	10
81	Application of Hadamard transformation to chiral separation by capillary electrophoresis. <i>Bunseki Kagaku</i> , 2003, 52, 1193-1197.	0.2	10
82	Phase locking in four-wave Raman mixing for generation of an ultrashort laser pulse. <i>Optics Letters</i> , 2004, 29, 400.	3.3	10
83	Postcolumn derivatization of proteins in capillary sieving electrophoresis/laser-induced fluorescence detection. <i>Electrophoresis</i> , 2009, 30, 3780-3785.	2.4	10
84	High-Energy, Multicolor Femtosecond Pulses from the Deep Ultraviolet to the Near Infrared Generated in a Hydrogen-Filled Gas Cell and Hollow Fiber. <i>Applied Sciences (Switzerland)</i> , 2014, 4, 318-330.	2.5	10
85	Analysis of Parent/Nitrated Polycyclic Aromatic Hydrocarbons in Particulate Matter 2.5 Based on Femtosecond Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 293-300.	2.8	10
86	Determination of nitrated polycyclic aromatic hydrocarbons in particulate matter 2.5 by laser ionization mass spectrometry using an on-line chemical-reduction system. <i>Analyst, The</i> , 2019, 144, 2909-2913.	3.5	10
87	Determination of nerve agent metabolites in human urine by femtosecond laser ionization mass spectrometry using 2-(bromomethyl)naphthalene as a derivatizing reagent. <i>Analytica Chimica Acta</i> , 2019, 1069, 82-88.	5.4	10
88	Detection of a Specific DNA Fragment by Free-Solution Capillary Electrophoresis Using a Fluorescent DNA Probe Measured by Semiconductor Laser-Induced Fluorometry.. <i>Analytical Sciences</i> , 1996, 12, 875-880.	1.6	9
89	Ultraviolet femtosecond laser ionization mass spectrometry. <i>Chemical Record</i> , 2008, 8, 23-32.	5.8	9
90	Multiphoton ionization/mass spectrometry of polybrominated diphenyl ethers. <i>Analytical Methods</i> , 2011, 3, 2322.	2.7	9

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91	Determination of Nerve Agent Metabolites by Ultraviolet Femtosecond Laser Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 5030-5035.	6.5	9
92	Miniature time-of-flight mass analyzer for use in combination with a compact highly-repetitive femtosecond laser ionization source. <i>Analytica Chimica Acta</i> , 2022, 1203, 339673.	5.4	9
93	Subnanosecond time-correlated photon counting spectroscopy with atmospheric pressure nitrogen laser pumped dye lasers. <i>Review of Scientific Instruments</i> , 1981, 52, 1473-1477.	1.3	8
94	Characterization of Phosphor Materials for Use In Plasma Display Panel by Time-Resolved Vacuum-Ultraviolet Laser Spectrometry. <i>Analytical Chemistry</i> , 2001, 73, 5472-5476.	6.5	8
95	Development of a Narrow-Band Tunable Picosecond Dye Laser and Its Application to Excited-State Lifetime Measurement of a Chlorinated Aromatic Hydrocarbon. <i>Analytical Sciences</i> , 2005, 21, 693-695.	1.6	8
96	Fluorescence lifetime measurement of dibenzofuran and monochlorodibenzofuran. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 714-717.	6.1	8
97	Stimulated rotational Raman scattering by a polarization-modulated femtosecond pulse. <i>Physical Review A</i> , 2008, 77, .	2.5	8
98	Development of an Off-axis Sample Introduction System for Use in Multiphoton Ionization/Time-of-flight Mass Spectrometry. <i>Chemistry Letters</i> , 2009, 38, 744-745.	1.3	8
99	Polychlorinated Aromatic Hydrocarbons in a Soil Sample Measured Using Gas Chromatography/Multiphoton Ionization/Time-of-Flight Mass Spectrometry. <i>Analytical Sciences</i> , 2011, 27, 617-622.	1.6	8
100	Determination of persistent organic pollutants by gas chromatography/laser multiphoton ionization/time-of-flight mass spectrometry. <i>Frontiers of Environmental Science and Engineering</i> , 2012, 6, 26-31.	6.0	8
101	Determination of Hexachlorocyclohexane by Gas Chromatography Combined with Femtosecond Laser Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1999-2005.	2.8	8
102	Detection of polychlorinated biphenyls in transformer oils in Vietnam by multiphoton ionization mass spectrometry using a far-ultraviolet femtosecond laser as an ionization source. <i>Talanta</i> , 2016, 149, 275-279.	5.5	8
103	Femtosecond ionization mass spectrometry for chromatographic detection. <i>Journal of Chromatography A</i> , 2021, 1642, 462023.	3.7	8
104	Hadamard transform microchip electrophoresis combined with laser-induced fluorescence detection using a compact neodymium-doped yttrium aluminum garnet laser emitting at 532 nm. <i>Journal of Applied Physics</i> , 2009, 105, 102018.	2.5	7
105	Coherent molecular rotations induced by a femtosecond pulse consisting of two orthogonally polarized pulses. <i>Physical Review A</i> , 2009, 80, .	2.5	7
106	Optical parametric amplification of a supercontinuum in a gas. <i>Applied Physics B: Lasers and Optics</i> , 2014, 116, 673-680.	2.2	7
107	Suppression of fragmentation in multiphoton ionization mass spectrometry using a near-infrared femtosecond laser as an ionization source. <i>Analyst, The</i> , 2017, 142, 3942-3947.	3.5	7
108	Trace Analysis of benzene in air by carbon dioxide laser-induced thermal lens spectrophotometry. <i>Bunseki Kagaku</i> , 1982, 31, 680-681.	0.2	6

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109	Determination of Proteins by Gel Electrophoresis Combined with Visible Semiconductor Laser Spectrometry. <i>Analytical Sciences</i> , 1991, 7, 491-493.	1.6	6
110	Efficient generation of vibrational stimulated Raman emission in the ultraviolet region using a femtosecond pump beam. <i>Optics Communications</i> , 2006, 265, 603-606.	2.1	6
111	Searching for a molecule with a wide frequency domain for non-resonant two-photon ionization to measure the ultrashort optical pulse width. <i>Optics Communications</i> , 2012, 285, 3514-3518.	2.1	6
112	Suppression of Fragmentation in Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 16016-16023.	6.5	6
113	Time-correlated Single Ion Counting Mass Spectrometer with Long and Short Time-of-Flight Tubes and an Evaluation of Its Performance for Use in Trace Analysis of Allergenic Substances. <i>Analytical Sciences</i> , 2020, 36, 539-543.	1.6	6
114	Generation of a Nearly Monocycle Optical Pulse in the Near-Infrared Region and Its Use as an Ionization Source in Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 7130-7138.	6.5	6
115	Thermal lens spectroscopic studies of radiationless processes in NO <sub>2</sub> . <i>Journal of Chemical Physics</i> , 1983, 79, 3201-3205.	3.0	5
116	Determination of surfactant by visible semiconductor laser fluorometry after solvent extraction with Rhodamine 800. <i>Analytical Sciences</i> , 1990, 6, 775-776.	1.6	5
117	FIBER-OPTIC CHEMICAL SENSOR USING VISIBLE SEMICONDUCTOR LASER AND PLASTICIZED POLY (VINYL TERT-BUTYL ACRYLATE). <i>Optics Communications</i> , 1990, 6, 765-767.	1.6	5
118	Supersonic jet/multiphoton ionization/time-of-flight mass spectrometry for dioxin analysis. <i>Analytica Chimica Acta</i> , 2003, 484, 163-166.	5.4	5
119	GC-MS of Pentachlorodibenzofurans in Flue Gas Using a UV Picosecond Laser. <i>Chromatographia</i> , 2008, 68, 89-94.	1.3	5
120	Internal standards for use in the comprehensive analysis of polychlorinated aromatic hydrocarbons using gas chromatography combined with multiphoton ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1470, 111-117.	3.7	5
121	Use of chemical conversion for determination of nitrated aromatic hydrocarbons using femtosecond ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2017, 996, 48-53.	5.4	5
122	Subnanosecond laser fluorometer with compact nitrogen laser pumped dye laser for lifetime measurements. <i>Bunseki Kagaku</i> , 1983, 32, E265-E271.	0.2	4
123	Development of a widely-tunable, multi-color laser and its application to analytical spectroscopy. <i>Analytical Sciences</i> , 1990, 6, 765-767.	1.6	4
124	HYPHENATED TECHNIQUES IN SUPERSONIC JET SPECTROSCOPY AND ITS ANALYTICAL APPLICATIONS TO AROMATIC HYDROCARBONS. <i>Analytical Sciences</i> , 1991, 7, 489-492.	1.6	4
125	A Digital Ion Counting Technique for Noise Reduction in Supersonic Jet/Multiphoton Ionization/Time-of-Flight Mass Spectrometry. <i>Analytical Sciences</i> , 1999, 15, 1273-1275.	1.6	4
126	Supersonic jet spectrometry (Review). <i>Bunseki Kagaku</i> , 2001, 50, 3-30.	0.2	4



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127	On-column capture of a specific protein separated by SDS-CGE using an immunological reaction on magnetic beads. <i>Electrophoresis</i> , 2007, 28, 2262-2266.	2.4	4
128	The search for a molecule to measure an autocorrelation trace of the second/third harmonic emission of a Ti:sapphire laser based on two-photon resonant excitation and subsequent one-photon ionization. <i>Applied Physics B: Lasers and Optics</i> , 2013, 113, 543-549.	2.2	4
129	High-energy multicolor femtosecond pulses in the deep-ultraviolet generated through four-wave mixing induced by three-color pulses. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	2.2	4
130	Continuous-wave phase-matched molecular optical modulator. <i>Scientific Reports</i> , 2016, 6, 20908.	3.3	4
131	Cross-correlation frequency-resolved optical gating for characterization of an ultrashort optical pulse train. <i>Applied Physics B: Lasers and Optics</i> , 2017, 123, 1.	2.2	4
132	Mode-locked laser with a repetition rate of 176 THz. <i>Applied Optics</i> , 2017, 56, 7636.	1.8	4
133	Single-Photon Ionization Mass Spectrometry Using a Vacuum Ultraviolet Femtosecond Laser. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1730-1737.	2.8	4
134	The Generation of Powerful Rainbow-Color Laser Emission by Four-Wave Raman Mixing for Display and Illumination.. <i>Journal of Light and Visual Environment</i> , 1998, 22, 1-5.	0.2	4
135	Analytical instrumentation based on optical harmonic generation.. <i>Analytical Sciences</i> , 1990, 6, 301-302.	1.6	3
136	Continuous-Wave Multifrequency Laser Emission Generated Through Stimulated Raman Scattering and Four-Wave Raman Mixing in an Optical Cavity. <i>IEEE Journal of Quantum Electronics</i> , 2011, 47, 1129-1135.	1.9	3
137	Generation of three-primary-color Raman comb in the continuous-wave regime. <i>Applied Physics B: Lasers and Optics</i> , 2014, 117, 465-470.	2.2	3
138	Vacuum-ultraviolet stimulated emission generated via four-wave Raman mixing in molecular hydrogen. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1.	2.2	3
139	Detection of nitrogen dioxide by the laserexcited fluorometry. <i>Bunseki Kagaku</i> , 1979, 28, 657-660.	0.2	2
140	Laser spectroscopy on organic molecules. <i>Analytical and Bioanalytical Chemistry</i> , 1996, 355, 216-221.	3.7	2
141	Efficient generation of rotational stimulated Raman emission arising from the S <sub>0</sub> (0) transition of cooled deuterium in the visible region. <i>Optics Communications</i> , 2004, 237, 417-422.	2.1	2
142	Generation of high-order rotational Raman sidebands in the deep-ultraviolet region using molecular phase modulation induced by an intensity-modulated optical pulse. <i>Journal of Applied Physics</i> , 2010, 108, 056104.	2.5	2
143	An Evaluation of the Spectral Properties of Nerve Agents for Laser Ionization Mass Spectrometry. <i>Analytical Sciences</i> , 2014, 30, 1113-1120.	1.6	2
144	A Simple Method for the Evaluation of the Pulse Width of an Ultraviolet Femtosecond Laser Used in Two-Photon Ionization Mass Spectrometry. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 136.	2.5	2

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145	Cross-Correlation Frequency-Resolved Optical Gating for Test-Pulse Characterization Using a Self-Diffraction Signal of a Reference Pulse. Applied Sciences (Switzerland), 2016, 6, 315.	2.5	2
146	Generation of Ultrashort Optical Pulses in the Deep-Ultraviolet Region Based on Four-Wave Raman Mixing. Applied Sciences (Switzerland), 2018, 8, 784.	2.5	2
147	Fluorescence spectrophotometry with a tunable organic liquid laser and the application to a few molecules in the gaseous phase. Bunseki Kagaku, 1977, 26, 96-101.	0.2	1
148	Application of microcomputer for data processing in flow injection analysis. Bunseki Kagaku, 1982, 31, 103-105.	0.2	1
149	Laser ablation/supersonic jet/fluorescence spectrometry of large aromatic hydrocarbon.. Analytical Sciences, 1989, 5, 207-208.	1.6	1
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