

Totaro Imasaka

List of Publications by Year in descending order

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170
papers

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docs citations

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times ranked

1040
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Femtosecond ionization mass spectrometry for chromatographic detection. <i>Journal of Chromatography A</i> , 2021, 1642, 462023.	3.7	8
3	Deep- to near-ultraviolet Raman frequency conversion pumped by femtosecond pulses in a hollow-core waveguide. <i>Applied Optics</i> , 2021, 60, 6962.	1.8	0
4	Esterification of perfluorinated carboxylic acids with bromomethyl aromatic compounds for gas chromatography combined with laser ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2021, 1656, 462546.	3.7	1
5	Comprehensive Analysis of Analogues of Amine-Related Psychoactive Substances Using Femtosecond Laser Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, , .	2.8	1
6	Resonant and non-resonant femtosecond ionization mass spectrometry of organochlorine pesticides. <i>Analyst, The</i> , 2020, 145, 777-783.	3.5	11
7	Suppression of Fragmentation in Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 16016-16023.	6.5	6
8	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
9	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
10	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
11	Generation of Ultrafast Optical Pulses via Molecular Modulation in Ambient Air. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2509.	2.5	0
12	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
13	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
14	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
15	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
16	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
17	Generation of Ultrashort Optical Pulses in the Deep-Ultraviolet Region Based on Four-Wave Raman Mixing. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 784.	2.5	2
18	Determination of Nerve Agent Metabolites by Ultraviolet Femtosecond Laser Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 5030-5035.	6.5	9

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19	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
20	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
21	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
22	Mode-locked laser with a repetition rate of 176â€‰%â€‰THz. <i>Applied Optics</i> , 2017, 56, 7636.	1.8	4
23	Rainbow Starsâ€™ Multi-Color Laser Emission for Science and Art. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 127.	2.5	0
24	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
25	Cross-Correlation Frequency-Resolved Optical Gating for Test-Pulse Characterization Using a Self-Diffraction Signal of a Reference Pulse. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 315.	2.5	2
26	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
27	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
28	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
29	Determination of Fragrance Allergens by Ultraviolet Femtosecond Laser Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 10693-10700.	6.5	22
30	Continuous-wave phase-matched molecular optical modulator. <i>Scientific Reports</i> , 2016, 6, 20908.	3.3	4
31	The efficiencies of resonant and nonresonant multiphoton ionization in the femtosecond region. <i>Analyst, The</i> , 2016, 141, 5274-5280.	3.5	18
32	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
33	Generation of multiple laser lines by sum-frequency mixing of continuous-wave Raman emissions from a dispersion-compensated optical cavity. <i>Optics Communications</i> , 2016, 361, 36-40.	2.1	1
34	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
35	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
36	Four-Wave Optical Parametric Amplification in a Raman-Active Gas. <i>Photonics</i> , 2015, 2, 933-945.	2.0	1

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37	Resonant and Nonresonant Multiphoton Ionization Processes in the Mass Spectrometry of Explosives. <i>Analytical Chemistry</i> , 2015, 87, 3027-3031.	6.5	40
38	Multiphoton ionization mass spectrometry of nitrated polycyclic aromatic hydrocarbons. <i>Talanta</i> , 2015, 140, 109-114.	5.5	14
39	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
40	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
41	Chirped-pulse four-wave Raman mixing in molecular hydrogen. <i>Applied Physics B: Lasers and Optics</i> , 2014, 117, 723-730.	2.2	1
42	Optical parametric amplification of a supercontinuum in a gas. <i>Applied Physics B: Lasers and Optics</i> , 2014, 116, 673-680.	2.2	7
43	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
44	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
45	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
46	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
47	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
48	Continuous-wave optical modulation at the frequency of molecular motion. , 2013, , .		0
49	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
50	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
51	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
52	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
53	Multiphoton ionization/mass spectrometry of polybrominated diphenyl ethers. <i>Analytical Methods</i> , 2011, 3, 2322.	2.7	9
54	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

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55	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
56	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
57	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
58	Gas chromatography/multiphoton ionization/time-of-flight mass spectrometry of polychlorinated biphenyls. <i>Analytica Chimica Acta</i> , 2011, 694, 108-114.	5.4	11
59	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
60	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
61	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
62	Gas Chromatography/Femtosecond Multiphoton Ionization/Time-of-Flight Mass Spectrometry of Dioxins. <i>Analytical Chemistry</i> , 2010, 82, 6519-6525.	6.5	24
63	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
64	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
65	Postcolumn derivatization of proteins in capillary sieving electrophoresis/laser-induced fluorescence detection. <i>Electrophoresis</i> , 2009, 30, 3780-3785.	2.4	10
66	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
67	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
68	Coherent molecular rotations induced by a femtosecond pulse consisting of two orthogonally polarized pulses. <i>Physical Review A</i> , 2009, 80, .	2.5	7
69	Data processing technique in gas chromatography/time-of-flight mass spectrometry. <i>Analyst</i> , The, 2009, 134, 712.	3.5	11
70	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
71	Development of Fluorescence Lifetime Imaging Microscope Using Tunable Picosecond Laser for Application to Living Cells. <i>Bunseki Kagaku</i> , 2009, 58, 487-494.	0.2	1
72	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

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73	Ultraviolet femtosecond laser ionization mass spectrometry. <i>Chemical Record</i> , 2008, 8, 23-32.	5.8	9
74	GC-MS of Pentachlorodibenzofurans in Flue Gas Using a UV Picosecond Laser. <i>Chromatographia</i> , 2008, 68, 89-94.	1.3	5
75	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
76	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
77	Stimulated rotational Raman scattering by a polarization-modulated femtosecond pulse. <i>Physical Review A</i> , 2008, 77, .	2.5	8
78	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
79	Molecular-Modulated Mode-Locked Laser to Generate a Continuous-Wave Pulse Train with an Ultrahigh Repetition Rate. <i>The Review of Laser Engineering</i> , 2008, 36, 433-439.	0.0	0
80	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
81	Application of Hadamard transformation to MEKC. <i>Electrophoresis</i> , 2007, 28, 328-334.	2.4	11
82	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
83	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
84	Pulse compression based on coherent molecular motion induced by transient stimulated Raman scattering. <i>Optics Express</i> , 2006, 14, 3083.	3.4	19
85	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
86	Hadamard transform capillary electrophoresis combined with laser-induced fluorometry using electrokinetic injection. <i>Analytica Chimica Acta</i> , 2006, 556, 178-182.	5.4	17
87	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
88	Fluorescence lifetime measurement of dibenzofuran and monochlorodibenzofuran. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 714-717.	6.1	8
89	Autocorrelator for the measurement of a quasi-continuous-wave laser beam sinusoidally modulated at 17 THz. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 711-713.	6.1	1
90	On-column capture of a specific protein in capillary electrophoresis using magnetic beads. <i>Electrophoresis</i> , 2006, 27, 3218-3223.	2.4	12

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91	Molecular-optic modulator. Applied Physics Letters, 2006, 88, 074101.	3.3	13
92	On-Line Concentration of a Protein Using Denaturation by Sodium Dodecyl Sulfate. Analytical Sciences, 2005, 21, 37-42.	1.6	14
93	Development of a Narrow-Band Tunable Picosecond Dye Laser and Its Application to Excited-State Lifetime Measurement of a Chlorinated Aromatic Hydrocarbon. Analytical Sciences, 2005, 21, 693-695.	1.6	8
94	Capillary electrophoresis immunoassay based on an on-column immunological reaction. Journal of Chromatography A, 2005, 1066, 197-203.	3.7	12
95	Trace analysis of dioxin/dibenzofuran based on supersonic jet/multiphoton ionization/mass spectrometry. The Review of Laser Engineering, 2005, 33, 148-149.	0.0	0
96	A Tunable picosecond dye laser based on cavity quenching and spectro-temporal selection. Applied Physics B: Lasers and Optics, 2004, 79, 463-467.	2.2	1
97	Efficient generation of rotational stimulated Raman emission arising from the S ₀ (0) transition of cooled deuterium in the visible region. Optics Communications, 2004, 237, 417-422.	2.1	2
98	Hadamard Transform Capillary Electrophoresis Combined with Absorption Spectrometry. Analytical Chemistry, 2004, 76, 4421-4425.	6.5	35
99	Phase locking in four-wave Raman mixing for generation of an ultrashort laser pulse. Optics Letters, 2004, 29, 400.	3.3	10
100	Supersonic jet/multiphoton ionization/time-of-flight mass spectrometry for dioxin analysis. Analytica Chimica Acta, 2003, 484, 163-166.	5.4	5
101	Hadamard Transform Microchip Electrophoresis Combined with Diode Laser Fluorometry. Analytical Chemistry, 2003, 75, 1765-1768.	6.5	44
102	Detection of 27 Molecules in a Single Injection Volume by Hadamard Transform Capillary Electrophoresis. Analytical Sciences, 2003, 19, 1659-1661.	1.6	19
103	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.. Analytical Sciences, 2003, 19, 379-382.	1.6	22
104	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.. Analytical Sciences, 2003, 19, 383-386.	1.6	21
105	Absorption Spectrometry Using a Diffractive Optical Element Constructed by Gel Electrophoresis. Analytical Sciences, 2003, 19, 795-798.	1.6	0
106	Application of Hadamard transformation to chiral separation by capillary electrophoresis. Bunseki Kagaku, 2003, 52, 1193-1197.	0.2	10
107	Critical assessment: Use of supersonic jet spectrometry for complex mixture analysis (IUPAC Technical) Tj ETQq1 1 0,784314 rgBT /Over	1.9	36
108	A Tunable Picosecond Dye Laser for Use in Dioxin Analysis.. Analytical Sciences, 2002, 18, 243-246.	1.6	10

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109	Use of Ring-Repeller, Double-Skimmer Electrodes for Efficient Ion Focusing in Mass Spectrometry.. Analytical Sciences, 2002, 18, 567-570.	1.6	10
110	Ultratrace Analysis Based on Hadamard Transform Capillary Electrophoresis. Analytical Chemistry, 2002, 74, 2257-2260.	6.5	45
111	Micellar electrokinetic chromatography with diode laser-induced fluorescence detection as a tool for investigating the fluorescence labeling of proteins. Electrophoresis, 2002, 23, 550-555.	2.4	23
112	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. Electrophoresis, 2002, 23, 2465-2470.	2.4	14
113	Band broadening caused by the multiple labeling of proteins in micellar electrokinetic chromatography with diode laser-induced fluorescence detection. Journal of Chromatography A, 2002, 959, 281-287.	3.7	18
114	Development of Tunable Picosecond Dye Laser for Multiphoton Ionization of Dioxin Precursors in Supersonic Jet/Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2001, 73, 4417-4421.	6.5	19
115	S0 and S1 States of Monochlorophenols: Ab Initio CASSCF MO Study. Journal of Physical Chemistry A, 2001, 105, 9252-9257.	2.5	10
116	Characterization of Phosphor Materials for Use In Plasma Display Panel by Time-Resolved Vacuum-Ultraviolet Laser Spectrometry. Analytical Chemistry, 2001, 73, 5472-5476.	6.5	8
117	An "Optical Channel" A Technique for the Evaluation of Biological Cell Elasticity. Analytical Chemistry, 2001, 73, 5791-5795.	6.5	43
118	Supersonic jet spectrometry (Review). Bunseki Kagaku, 2001, 50, 3-30.	0.2	4
119	Immunoassay for human serum albumin using capillary electrophoresis-semiconductor laser-induced fluorometry. Biomedical Applications, 2001, 759, 337-342.	1.7	27
120	Generation of Highly Repetitive Optical Pulses Based on Intracavity Four-Wave Raman Mixing. Physical Review Letters, 2001, 87, 223901.	7.8	20
121	Title is missing!. Shinku/Journal of the Vacuum Society of Japan, 2001, 44, 16-22.	0.2	0
122	Visualization of an immunological reaction between single antigen and antibody molecules by optical chromatography. Analytica Chimica Acta, 2000, 404, 1-6.	5.4	12
123	Scheme for collinear ionization in supersonic jet/multiphoton ionization/time-of-flight mass spectrometry. Analytica Chimica Acta, 2000, 412, 213-219.	5.4	28
124	Supersonic Jet/Multiphoton Ionization/Mass Spectrometry of Dioxins Formed by the Thermal Reaction of Phenols in the Absence and Presence of an FeCl ₃ Catalyst. Analytical Chemistry, 2000, 72, 2648-2652.	6.5	36
125	The generation of a tunable laser emission in the vacuum ultraviolet and its application to supersonic jet/multiphoton ionization mass spectrometry. Review of Scientific Instruments, 1999, 70, 3254-3258.	1.3	11
126	Diode lasers in analytical chemistry. Talanta, 1999, 48, 305-320.	5.5	19

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127	Optical chromatography. <i>Talanta</i> , 1999, 48, 551-557.	5.5	41
128	Hadamard Transform Capillary Electrophoresis. <i>Analytical Chemistry</i> , 1999, 71, 5444-5446.	6.5	73
129	Effect of Laser Pulse Width on Ionization Efficiency in Supersonic Beam-Multiphoton Ionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 1999, 71, 3763-3768.	6.5	30
130	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
131	Determination of cyanine-labeled amino acid enantiomers by cyclodextrin-modified capillary gel electrophoresis combined with diode laser fluorescence detection. <i>Journal of Chromatography A</i> , 1998, 805, 295-300.	3.7	32
132	The "Optical Funnel" A Technique for Measuring a Microorganism's Power. <i>Analytical Chemistry</i> , 1998, 70, 3513-3515.	6.5	11
133	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
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	Enhancement of the Molecular Ion Peak from Halogenated Benzenes and Phenols Using Femtosecond Laser Pulses in Conjunction with Supersonic Beam/Multiphoton Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 1997, 69, 4524-4529.	6.5	69
136	Application of Optical Chromatography to Immunoassay. <i>Analytical Chemistry</i> , 1997, 69, 2711-2715.	6.5	34
137	Theory of Optical Chromatography. <i>Analytical Chemistry</i> , 1997, 69, 2701-2710.	6.5	130
138	Generation of more than 40 rotational Raman lines by picosecond and femtosecond Ti:sapphire laser for Fourier synthesis. <i>Applied Physics B: Lasers and Optics</i> , 1997, 65, 1-4.	2.2	45
139	Supersonic jet multiphoton ionization mass spectrometry using nanosecond and femtosecond pulse lasers. <i>Analytica Chimica Acta</i> , 1997, 343, 129-133.	5.4	16
140	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
141	Supersonic Jet/Time-of-flight mass spectrometry of adenine using nanosecond and femtosecond lasers. <i>Talanta</i> , 1996, 43, 1925-1929.	5.5	11
142	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
143	Laser spectroscopy on organic molecules. <i>Analytical and Bioanalytical Chemistry</i> , 1996, 355, 216-221.	3.7	2
144	Multiplication of spectral lines generated by two-color stimulated raman effect. <i>Optical Review</i> , 1996, 3, 549-551.	2.0	0

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145	Multiplication of spectral lines generated by two-color stimulated raman effect. Optical Review, 1996, 3, A549.	2.0	0
146	LIQUID CHROMATOGRAPHY AND CAPILLARY ELECTROPHORESIS WITH LASER FLUOROMETRIC DETECTION. Methods in Chromatography, 1996, , 123-149.	0.0	0
147	Indirect Detection of Aromatic Hydrocarbons by Semiconductor Laser Fluorometry in Micellar Electrokinetic Chromatography. Analytical Chemistry, 1995, 67, 829-834.	6.5	30
148	Generation of vibrational and rotational emissions by four-wave Raman mixing using an ultraviolet femtosecond pump beam. Optics Letters, 1995, 20, 2072.	3.3	25
149	Optical Chromatography. Analytical Chemistry, 1995, 67, 1763-1765.	6.5	140
150	Effect of organic modifier on resolution of hydrophobic compounds by micellar electrokinetic chromatography. Electrophoresis, 1994, 15, 1276-1279.	2.4	14
151	A new approach for the generation of ultrashort optical pulses. Optics Communications, 1993, 96, 94-98.	2.1	110
152	Semiconductor Laser Spectrometry. Analytical Sciences, 1993, 9, 329-344.	1.6	24
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