

Takaya Satoh

List of Publications by Year in descending order

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papers

325
citations

1040056

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888059

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21
all docs

21
docs citations

21
times ranked

268
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a high-Performance MALDI-TOF mass spectrometer utilizing a spiral ion trajectory. Journal of the American Society for Mass Spectrometry, 2007, 18, 1318-1323.	2.8	79
2	The design and characteristic features of a new time-of-flight mass spectrometer with a spiral ion trajectory. Journal of the American Society for Mass Spectrometry, 2005, 16, 1969-1975.	2.8	66
3	Tandem Time-of-Flight Mass Spectrometer with High Precursor Ion Selectivity Employing Spiral Ion Trajectory and Improved Offset Parabolic Reflectron. Journal of the American Society for Mass Spectrometry, 2011, 22, 797-803.	2.8	43
4	Structural Analysis of Triacylglycerols by Using a MALDI-TOF/TOF System with Monoisotopic Precursor Selection. Journal of the American Society for Mass Spectrometry, 2013, 24, 684-689.	2.8	43
5	First Gut Instincts Are Always Right: The Resolution Required for a Mass Defect Analysis of Polymer Ions Can Be as Low as Oligomeric. Analytical Chemistry, 2018, 90, 2404-2408.	6.5	22
6	Detailed Structural Analysis of Lipids Directly on Tissue Specimens Using a MALDI-SpiralTOF-Reflectron TOF Mass Spectrometer. PLoS ONE, 2012, 7, e37107.	2.5	17
7	A New Spiral Time-of-Flight Mass Spectrometer for High Mass Analysis. Journal of the Mass Spectrometry Society of Japan, 2006, 54, 11-17.	0.1	12
8	Mass Spectrometry Imaging and Structural Analysis of Lipids Directly on Tissue Specimens by Using a Spiral Orbit Type Tandem Time-of-Flight Mass Spectrometer, SpiralTOF-TOF. Mass Spectrometry, 2012, 1, A0013-A0013.	0.6	9
9	Solvent-free silver-nanoparticle surface-assisted laser desorption/ionization imaging mass spectrometry of the Irganox 1010 coated on polystyrene. International Journal of Mass Spectrometry, 2016, 404, 1-7.	1.5	9
10	Separation of Isobaric Compounds Using a Spiral Orbit Type Time-of-Flight Mass Spectrometer, MALDI-SpiralTOF. Mass Spectrometry, 2014, 3, S0027-S0027.	0.6	8
11	N-Terminal Derivatization with Structures Having High Proton Affinity for Discrimination between Leu and Ile Residues in Peptides by High-Energy Collision-Induced Dissociation. Mass Spectrometry, 2016, 5, A0051-A0051.	0.6	6
12	Development of a Time-of-Flight Mass Spectrometer Utilizing a Spiral Ion Trajectory. Journal of the Mass Spectrometry Society of Japan, 2009, 57, 363-369.	0.1	3
13	High Spatial Resolution Laser Desorption/Ionization Mass Spectrometry Imaging of Organic Layers in an Organic Light-Emitting Diode. Mass Spectrometry, 2017, 5, A0052-A0052.	0.6	2
14	A mass spectrometry imaging method for visualizing synthetic polymers by using average molecular weight and dispersity as indices. Rapid Communications in Mass Spectrometry, 2020, 34, e8653.	1.5	2
15	Effects of molecular weight and cationization agent on the sensitivity of Bi cluster secondary ion mass spectrometry. Rapid Communications in Mass Spectrometry, 2016, 30, 1722-1726.	1.5	1
16	Matrix-Assisted Laser Desorption Ionization Imaging Mass Spectrometry of Drug Distribution in Mouse Brain Tissue by High-Resolution Time-of-Flight Mass Spectrometry. Methods in Molecular Biology, 2018, 1810, 133-139.	0.9	1
17	Analytical Capability of a High Performance Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometer for Peptide Mass Fingerprinting. Journal of the Mass Spectrometry Society of Japan, 2007, 55, 173-181.	0.1	1
18	Development of a peak extraction method using the high-resolution matrix-assisted laser desorption/ionization time-of-flight mass spectrometry and machine learning techniques: Analysis of peak shapes. Rapid Communications in Mass Spectrometry, 2022, 36, e9235.	1.5	1

#	ARTICLE	IF	CITATIONS
19	MALDI and LDI Imaging of Forensic Samples by Using A Spiral-Trajectory Ion Optics Time-of-Flight Mass Spectrometer. <i>Microscopy and Microanalysis</i> , 2015, 21, 2061-2062.	0.4	0
20	Imaging Mass Spectrometry Using SpiralTOFMS. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2021, 69, 147-148.	0.1	0
21	Imaging Mass Spectrometry Using Ultra-high Mass Resolution Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometer, SpiralTOF. <i>Microscopy and Microanalysis</i> , 2015, 21, 2059-2060.	0.4	0