

Jack A Syage

List of Publications by Year in descending order

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39
papers

2,249
citations

201674

27
h-index

302126

39
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41
all docs

41
docs citations

41
times ranked

1733
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric Pressure Photoionization. 1. General Properties for LC/MS. <i>Analytical Chemistry</i> , 2004, 76, 2842-2851.	6.5	219
2	Comparison of Atmospheric Pressure Photoionization, Atmospheric Pressure Chemical Ionization, and Electrospray Ionization Mass Spectrometry for Analysis of Lipids. <i>Analytical Chemistry</i> , 2006, 78, 1191-1199.	6.5	152
3	Mechanism of $[M + H]^+$ formation in photoionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 1521-1533.	2.8	146
4	Ultra Performance Liquid Chromatography ⁺ Atmospheric Pressure Photoionization-Tandem Mass Spectrometry for High-Sensitivity and High-Throughput Analysis of U.S. Environmental Protection Agency 16 Priority Pollutants Polynuclear Aromatic Hydrocarbons. <i>Analytical Chemistry</i> , 2009, 81, 2123-2128.	6.5	135
5	Recent developments in atmospheric pressure photoionization ⁺ mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2017, 36, 423-449.	5.4	95
6	Picosecond mass ⁺ selective measurements of phenol ⁺ (NH ₃) _n acid ⁺ base chemistry in clusters. <i>Journal of Chemical Physics</i> , 1990, 92, 4630-4632.	3.0	91
7	Picosecond studies of proton transfer in clusters. 2. Dynamics and energetics of solvated phenol cation. <i>Journal of the American Chemical Society</i> , 1991, 113, 6786-6795.	13.7	88
8	Electron-impact cross sections for multiple ionization of Kr and Xe. <i>Physical Review A</i> , 1992, 46, 5666-5679.	2.5	87
9	Liquid chromatography ⁺ atmospheric pressure photoionization-mass spectrometry analysis of triacylglycerol lipids ⁺ Effects of mobile phases on sensitivity. <i>Journal of Chromatography A</i> , 2007, 1173, 88-97.	3.7	83
10	APPI-MS: Effects of mobile phases and VUV lamps on the detection of PAH compounds. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 589-599.	2.8	82
11	Determination of gluten consumption in celiac disease patients on a gluten-free diet. <i>American Journal of Clinical Nutrition</i> , 2018, 107, 201-207.	4.7	81
12	Atmospheric pressure photoionization mass spectrometry for analysis of fatty acid and acylglycerol lipids. <i>Journal of Chromatography A</i> , 2006, 1110, 15-26.	3.7	70
13	Comparison of Atmospheric Pressure Photoionization and Atmospheric Pressure Chemical Ionization for Normal-Phase LC/MS Chiral Analysis of Pharmaceuticals. <i>Analytical Chemistry</i> , 2007, 79, 2491-2498.	6.5	66
14	Photofragment imaging by sections for measuring state ⁺ resolved angle ⁺ velocity differential cross sections. <i>Journal of Chemical Physics</i> , 1996, 105, 1007-1022.	3.0	62
15	Field-portable, high-speed GC/TOFMS. <i>Journal of the American Society for Mass Spectrometry</i> , 2001, 12, 648-655.	2.8	58
16	Latiglutenase Improves Symptoms in Seropositive Celiac Disease Patients While on a Gluten-Free Diet. <i>Digestive Diseases and Sciences</i> , 2017, 62, 2428-2432.	2.3	58
17	Atmospheric pressure photoionization. II. Dual source ionization. <i>Journal of Chromatography A</i> , 2004, 1050, 137-49.	3.7	52
18	A man-portable, photoionization time-of-flight mass spectrometer. <i>Field Analytical Chemistry and Technology</i> , 2000, 4, 204-215.	0.8	48

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19	Ultra high performance liquid chromatography-atmospheric pressure photoionization-mass spectrometry for high-sensitivity analysis of US Environmental Protection Agency sixteen priority pollutant polynuclear aromatic hydrocarbons in oysters. <i>Journal of Chromatography A</i> , 2012, 1227, 138-144.	3.7	48
20	Spectroscopy and dynamics of jet-cooled hydrazines and ammonia. I. Single-photon absorption and ionization spectra. <i>Journal of Chemical Physics</i> , 1992, 97, 6072-6084.	3.0	47
21	Measurement of cluster reorganization by time-resolved photoelectron spectroscopy. <i>Chemical Physics Letters</i> , 1993, 202, 227-232.	2.6	46
22	Detection of the perpendicular $A\tilde{1}f$ state transitions of CH ₃ I by imaging of photofragment angle-velocity distributions. <i>Journal of Chemical Physics</i> , 1994, 100, 9265-9268.	3.0	46
23	Are Clusters Important in Understanding the Mechanisms in Atmospheric Pressure Ionization? Part 1: Reagent Ion Generation and Chemical Control of Ion Populations. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1310-1321.	2.8	38
24	Resonant two-photon ionization spectroscopy of naphthalene clusters. <i>Journal of Chemical Physics</i> , 1988, 89, 5962-5963.	3.0	36
25	Spectroscopy and dynamics of jet-cooled hydrazines and ammonia. II. Electron-impact dissociative ionization. <i>Journal of Chemical Physics</i> , 1992, 97, 6085-6107.	3.0	28
26	Solvation and vibrational effects on proton tunnelling in clusters. <i>Faraday Discussions</i> , 1994, 97, 401.	3.2	28
27	Resonance ion dissociation spectroscopy of naphthalene ions prepared in a supersonic expansion. <i>Journal of Chemical Physics</i> , 1987, 87, 3313-3320.	3.0	27
28	Measurements of electron-impact ionization and dissociation cross sections in a crossed electron-supersonic molecular beam. <i>Chemical Physics Letters</i> , 1988, 143, 19-25.	2.6	25
29	Ambient analysis by thermal desorption atmospheric pressure photoionization. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7011-7018.	3.7	24
30	Lactiglutenase treatment for celiac disease: symptom and quality of life improvement for seropositive patients on a gluten-free diet. <i>GastroHep</i> , 2019, 1, 293-301.	0.6	24
31	Photodissociation and metastable decay of solvated cluster ions. <i>Journal of Chemical Physics</i> , 1990, 92, 1804-1810.	3.0	23
32	REAL-TIME DETECTION of Chemical Agents Using Molecular Beam Laser Mass Spectrometry. <i>Analytical Chemistry</i> , 1990, 62, 505A-509A.	6.5	22
33	Angle-velocity-resolved measurements of $I(2P_{3/2}, 1/2)$ from (CH ₃ I) _n cluster photodissociation at 266 and 304 nm. <i>Chemical Physics Letters</i> , 1995, 245, 605-614.	2.6	22
34	Predissociation lifetimes of the $B\tilde{1}f$ and $C\tilde{1}f$ Rydberg states of CH ₃ I. <i>Chemical Physics Letters</i> , 1993, 212, 124-128.	2.6	21
35	State specific, angle velocity resolved measurements of photodissociation in clusters: I atom escape from (CH ₃ I) _n (n = 1,2,3). <i>Chemical Physics</i> , 1996, 207, 411-426.	1.9	20
36	A paraboloidal electrostatic reflector for molecular-beam time-of-flight photoelectron spectrometers. <i>Review of Scientific Instruments</i> , 1993, 64, 3094-3103.	1.3	16

#	ARTICLE	IF	CITATIONS
37	Direct Sampling of Chemical Weapons in Water by Photoionization Mass Spectrometry. Analytical Chemistry, 2006, 78, 2967-2976.	6.5	15
38	A unified approach to spin polarization (CIDEP) and relaxation by Heisenberg spin exchange. I. Generalized equations for reactive radicals. Journal of Chemical Physics, 1987, 87, 1022-1032.	3.0	10
39	A vector model for CIDEP: the role of the exchange interaction. Chemical Physics Letters, 1982, 91, 378-382.	2.6	7