

Charles L Wilkins

List of Publications by Year in descending order

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272
papers

9,901
citations

36271

51
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48277

88
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293
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293
docs citations

293
times ranked

5785
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and Characterization of Fulleroid and Methanofullerene Derivatives. <i>Journal of Organic Chemistry</i> , 1995, 60, 532-538.	1.7	1,194
2	Synthesis of a fullerene derivative for the inhibition of HIV enzymes. <i>Journal of the American Chemical Society</i> , 1993, 115, 6510-6512.	6.6	451
3	Phenylacetylene Dendrimers by the Divergent, Convergent, and Double-Stage Convergent Methods. <i>Journal of the American Chemical Society</i> , 1994, 116, 4537-4550.	6.6	238
4	Double Exponential Dendrimer Growth. <i>Journal of the American Chemical Society</i> , 1995, 117, 2159-2165.	6.6	238
5	Pentacene Disproportionation during Sublimation for Field-Effect Transistors. <i>Journal of the American Chemical Society</i> , 2005, 127, 3069-3075.	6.6	191
6	The higher oxides of carbon C _{8n} O _{2n} (n = 3-5): synthesis, characterization, and x-ray crystal structure. Formation of cyclo[n]carbon ions C _n ⁺ (n = 18, 24), C _n ⁻ (n = 18, 24, 30), and higher carbon ions including C ₆₀ ⁺ in laser desorption Fourier transform mass spectrometric experiments. <i>Journal of the American Chemical Society</i> , 1991, 113, 495-500.	6.6	167
7	High Mass Analysis by Laser Desorption Fourier Transform Mass Spectrometry. <i>Analytical Chemistry</i> , 1985, 57, 520-524.	3.2	148
8	Matrix-assisted laser desorption/ionization of high-mass molecules by Fourier-transform mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1992, 6, 239-241.	0.7	128
9	Chemical ionization in Fourier transform mass spectrometry. <i>Analytical Chemistry</i> , 1981, 53, 428-437.	3.2	117
10	High-resolution matrix-assisted laser desorption/ionization of biomolecules by Fourier transform mass spectrometry. <i>Journal of the American Chemical Society</i> , 1992, 114, 7572-7574.	6.6	114
11	Search for all self-avoiding paths for molecular graphs. <i>Computers & Chemistry</i> , 1979, 3, 5-13.	1.2	113
12	Surface-induced dissociation by Fourier transform mass spectrometry. <i>Analytical Chemistry</i> , 1990, 62, 1295-1299.	3.2	109
13	Graph theoretical ordering of structures as a basis for systematic searches for regularities in molecular data. <i>The Journal of Physical Chemistry</i> , 1979, 83, 1525-1540.	2.9	108
14	Ultrahigh resolution matrix-assisted laser desorption/ionization of small proteins by Fourier-transform mass spectrometry. <i>Analytical Chemistry</i> , 1993, 65, 2621-2627.	3.2	106
15	Exact mass measurement by Fourier transform mass spectrometry. <i>Analytical Chemistry</i> , 1980, 52, 463-468.	3.2	103
16	Fourier transform mass spectrometry: Recent instrumental developments and applications. <i>Mass Spectrometry Reviews</i> , 1986, 5, 107-166.	2.8	102
17	Determination of Molecular Weight Distributions of Polymers by MALDI-FTMS. <i>Analytical Chemistry</i> , 1995, 67, 1575-1579.	3.2	99
18	Problems with the "omics": TrAC - Trends in Analytical Chemistry, 2006, 25, 1046-1056.	5.8	99

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19	Factor analysis of the mass spectra of mixtures. <i>Analytical Chemistry</i> , 1976, 48, 591-595.	3.2	98
20	Fourier transform mass spectrometry: Current status. <i>Mass Spectrometry Reviews</i> , 1989, 8, 67-92.	2.8	96
21	Investigation of MALDI-TOF and FT-MS Techniques for Analysis of <i>Escherichia coli</i> Whole Cells. <i>Analytical Chemistry</i> , 2003, 75, 1340-1347.	3.2	96
22	Fourier transform mass spectrometry—advancing years (1992-mid. 1996). <i>Mass Spectrometry Reviews</i> , 1996, 15, 163-211.	2.8	93
23	Acetylenic Cyclophanes as Fullerene Precursors: Formation of C ₆₀ H ₆ and C ₆₀ by Laser Desorption Mass Spectrometry of C ₆₀ H ₆ (CO) ₁₂ . <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1226-1229.	7.2	93
24	Mixture analysis by gas chromatography/Fourier transform infrared spectrometry/mass spectrometry. <i>Analytical Chemistry</i> , 1982, 54, 2260-2264.	3.2	90
25	Fourier transform mass spectrometry for analysis. <i>Analytical Chemistry</i> , 1981, 53, 1661A-1676A.	3.2	89
26	Reactions of atomic gold ions with aliphatic and aromatic hydrocarbons and alkyl halides. <i>Journal of the American Chemical Society</i> , 1987, 109, 5336-5343.	6.6	89
27	A comparison of the ion-molecule reactions of Group 11 metal ions with alcohols. <i>Journal of the American Chemical Society</i> , 1985, 107, 7316-7320.	6.6	88
28	C ₆₂ , a Non-Classical Fullerene Incorporating a Four-Membered Ring. <i>Journal of the American Chemical Society</i> , 2000, 122, 8333-8334.	6.6	84
29	A graph theoretical approach to structure-property and structure-activity correlations. <i>Theoretica Chimica Acta</i> , 1980, 58, 45-68.	0.9	79
30	Gas chromatography with spectroscopic detectors. <i>Journal of Chromatography A</i> , 1999, 856, 349-397.	1.8	79
31	Characterizing the Phospholipid Profiles in Mammalian Tissues by MALDI FTMS. <i>Analytical Chemistry</i> , 2006, 78, 3062-3071.	3.2	78
32	Silver nitrate chemical ionization for analysis of hydrocarbon polymers by laser desorption fourier transform mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1993, 4, 453-460.	1.2	77
33	Off-Line Coupling of Capillary Electrophoresis and Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 1995, 67, 4197-4204.	3.2	77
34	Graph Theoretical Approach to Recognition of Structural Similarity in Molecules. <i>Journal of Chemical Information and Computer Sciences</i> , 1979, 19, 31-37.	2.8	76
35	Strategies and data analysis techniques for lipid and phospholipid chemistry elucidation by intact cell MALDI-FTMS. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 1665-1674.	1.2	75
36	Laser desorption-Fourier transform mass spectrometry for the characterization of polymers. <i>Macromolecules</i> , 1986, 19, 1255-1260.	2.2	74

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37	First observation of carbon aggregate ions >C600+ by laser desorption Fourier transform mass spectrometry. <i>The Journal of Physical Chemistry</i> , 1989, 93, 1184-1187.	2.9	74
38	First demonstration of high resolution laser desorption mass spectrometry of high mass organic ions. <i>Journal of the American Chemical Society</i> , 1988, 110, 2687-2688.	6.6	68
39	On a graph theoretical basis for ordering of structures. <i>Chemical Physics Letters</i> , 1979, 63, 332-336.	1.2	64
40	Applications of Fourier transform mass spectrometry. <i>Mass Spectrometry Reviews</i> , 1983, 2, 389-415.	2.8	64
41	Laser Desorption Fourier Transform Mass Spectrometry Exchange Studies of Air-Oxidized Alkanethiol Self-Assembled Monolayers on Gold. <i>Analytical Chemistry</i> , 1997, 69, 2636-2639.	3.2	64
42	Importance of matrix: Analyte ratio for buffer tolerance using 2,5-dihydroxybenzoic acid as a matrix in matrix-assisted laser desorption/ionization-fourier transform mass spectrometry and matrix-assisted laser desorption/ionization-time of flight. <i>Journal of the American Society for Mass Spectrometry</i> , 1998, 9, 805-813.	1.2	64
43	Direct-linked gas chromatography-Fourier transform infrared-mass spectrometer system. <i>Analytical Chemistry</i> , 1981, 53, 113-117.	3.2	62
44	Laser-desorption Fourier transform mass spectra of polysaccharides. <i>Analytical Chemistry</i> , 1987, 59, 197-200.	3.2	61
45	Matrix-assisted laser desorption/ionization of capillary electrophoresis effluents by Fourier transform mass spectrometry. <i>Journal of the American Chemical Society</i> , 1992, 114, 7571-7572.	6.6	60
46	Analysis of copolymers by laser desorption fourier transform mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1990, 1, 66-71.	1.2	59
47	Fourier transform mass spectrometry. <i>Mass Spectrometry Reviews</i> , 1992, 11, 495-512.	2.8	59
48	Hyphenated techniques for analysis of complex organic mixtures. <i>Science</i> , 1983, 222, 291-296.	6.0	58
49	Coupling of capillary gas chromatograph and Fourier transform mass spectrometer. <i>Analytical Chemistry</i> , 1980, 52, 2450-2451.	3.2	56
50	Analysis of hydrocarbon dendrimers by laser desorption time-of-flight and fourier transform mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1994, 5, 731-739.	1.2	56
51	Molecular transforms: a potential tool for structure-activity studies. <i>Journal of the American Chemical Society</i> , 1977, 99, 439-443.	6.6	55
52	Resolution and signal-to-noise in Fourier transform mass spectrometry. <i>Analytical Chemistry</i> , 1980, 52, 1525-1527.	3.2	52
53	New Structural Insights into Mechanically Interlocked Polymers Revealed by Ion Mobility Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2012, 134, 9193-9198.	6.6	52
54	Laser desorption fourier transform mass spectra of malto-oligosaccharides. <i>Biological Mass Spectrometry</i> , 1985, 12, 424-428.	0.5	51

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55	MATRIX-ASSISTED LASER DESORPTION MASS SPECTROMETRY. <i>Applied Spectroscopy Reviews</i> , 2002, 37, 275-303.	3.4	51
56	Direct-linked analytical scale high-performance liquid chromatography/nuclear magnetic resonance spectrometry. <i>Analytical Chemistry</i> , 1984, 56, 2471-2475.	3.2	48
57	Analysis of hydrocarbon polymers by matrix-assisted laser desorption / ionization-fourier transform mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1997, 8, 225-233.	1.2	48
58	Ionic liquid matrix-induced metastable decay of peptides and oligonucleotides and stabilization of phospholipids in MALDI FTMS analyses. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 2000-2008.	1.2	47
59	Nucleophilic Substitution at the Pyridazine Ring Carbons. I. Synthesis of Iodopyridazines. <i>Journal of Organic Chemistry</i> , 1963, 28, 218-221.	1.7	46
60	Sustained off-resonance irradiation and collision-induced dissociation for structural analysis of polymers by MALDI-FTMS. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1998, 175, 81-92.	1.9	45
61	Developments in MALDI Mass Spectrometry: The Quest for the Perfect Matrix. <i>Applied Spectroscopy Reviews</i> , 2008, 43, 485-550.	3.4	44
62	Computer perception of topological symmetry via canonical numbering of atoms. <i>Journal of Chemical Information and Computer Sciences</i> , 1981, 21, 52-59.	2.8	42
63	Laser-desorption Fourier transform mass spectrometry of synthetic porphyrins. <i>Analytical Chemistry</i> , 1986, 58, 3196-3199.	3.2	42
64	Joint Neural Network Interpretation of Infrared and Mass Spectra. <i>Journal of Chemical Information and Computer Sciences</i> , 1996, 36, 249-257.	2.8	42
65	Analysis of High-Mass Biomolecules Using Electrostatic Fields and Matrix-Assisted Laser Desorption/Ionization in a Fourier Transform Mass Spectrometer. <i>Analytical Chemistry</i> , 1995, 67, 3638-3642.	3.2	41
66	High-Mass Analysis Using Quadrupolar Excitation/Ion Cooling in a Fourier Transform Mass Spectrometer. <i>Analytical Chemistry</i> , 1995, 67, 379-384.	3.2	41
67	Study of the styrene ion-molecule reaction by ion cyclotron resonance. <i>Journal of the American Chemical Society</i> , 1971, 93, 895-901.	6.6	40
68	Reverse-phase high-performance liquid chromatography/nuclear magnetic resonance spectrometry in protonated solvents. <i>Analytical Chemistry</i> , 1987, 59, 546-551.	3.2	40
69	Optimization of Functional Group Prediction from Infrared Spectra Using Neural Networks. <i>Journal of Chemical Information and Computer Sciences</i> , 1996, 36, 69-81.	2.8	40
70	Oxidation by superoxide ion of catechols, ascorbic acid, dihydrophenazine, and reduced flavins to their respective anion radicals. A common mechanism via a combined proton-hydrogen atom transfer. <i>Journal of Organic Chemistry</i> , 1985, 50, 1409-1412.	1.7	39
71	Oxidation of substituted hydrazines by superoxide ion: the initiation step for the autoxidation of 1,2-diphenylhydrazine. <i>Journal of the American Chemical Society</i> , 1984, 106, 4683-4687.	6.6	38
72	Gas-phase reactions of nucleophiles with methyl formate. <i>Journal of the American Chemical Society</i> , 1985, 107, 327-332.	6.6	38

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73	Comparison of methods for reconstruction of gas chromatograms from interferometric gas chromatography/infrared spectrometry data. <i>Analytical Chemistry</i> , 1981, 53, 1778-1782.	3.2	36
74	Linked gas chromatography/Fourier transform infrared/Fourier transform mass spectrometry with integrated electron impact and chemical ionization. <i>Analytical Chemistry</i> , 1984, 56, 1163-1168.	3.2	36
75	Linked gas chromatography-infrared-mass spectrometry. <i>Analytical Chemistry</i> , 1987, 59, 571A-581A.	3.2	36
76	Laser desorption/ionization Fourier transform mass spectrometry and fast atom bombardment spectra of nonvolatile polymer additives. <i>Analytical Chemistry</i> , 1990, 62, 1167-1172.	3.2	36
77	Multispectral detection for gas chromatography. <i>Journal of Chromatography A</i> , 1995, 703, 335-382.	1.8	36
78	Simplex pattern recognition. <i>Analytical Chemistry</i> , 1975, 47, 1951-1956.	3.2	35
79	Nuclear magnetic resonance detection for the on-line identification of liquid chromatography eluents. <i>TrAC - Trends in Analytical Chemistry</i> , 1986, 5, 231-235.	5.8	35
80	Electrochemical polymerization of 4-methyl-4'-vinyl-2,2'-bipyridine-containing metal complexes: polymer structure and mechanism of formation. <i>Inorganic Chemistry</i> , 1990, 29, 389-392.	1.9	35
81	The Mechanism of the Prins Reaction. V. The Prins Reaction of Styrenes ¹ . <i>Journal of Organic Chemistry</i> , 1966, 31, 1110-1116.	1.7	34
82	Reverse-phase high-performance liquid chromatography/nuclear magnetic resonance spectrometry separations of biomolecules with 1-1 hard pulse solvent-suppression. <i>Analytical Chemistry</i> , 1985, 57, 1464-1469.	3.2	34
83	Comparative study of photodissociation and surface-induced dissociation by laser desorption Fourier transform mass spectrometry. <i>Analytical Chemistry</i> , 1992, 64, 2238-2243.	3.2	34
84	Heuristic pattern recognition analysis of carbon-13 nuclear magnetic resonance spectra. <i>Journal of the American Chemical Society</i> , 1974, 96, 4182-4185.	6.6	32
85	Low-pressure collision-induced dissociation analysis of complex mixtures by Fourier transform mass spectrometry. <i>Analytical Chemistry</i> , 1982, 54, 2211-2215.	3.2	32
86	Exact mass measurement in the absence of calibrant by Fourier transform mass spectrometry. <i>Analytical Chemistry</i> , 1983, 55, 339-343.	3.2	32
87	Laser desorption Fourier transform mass spectrometry of polymers: comparison with secondary ion and fast atom bombardment mass spectrometry. <i>Analytical Chemistry</i> , 1988, 60, 279-282.	3.2	32
88	Graphical theoretical analysis of molecular properties. Isomeric variations in nonanes. <i>International Journal of Quantum Chemistry</i> , 1980, 18, 1005-1027.	1.0	30
89	Gas chromatography with Fourier transform infrared and mass spectral detection. <i>Journal of Chromatography A</i> , 1999, 842, 341-349.	1.8	30
90	Photodissociation of laser-desorbed ions as a structure determination tool. <i>Analytical Chemistry</i> , 1989, 61, 689-694.	3.2	29

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91	Multidimensional gas chromatography coupled with infrared and mass spectrometry for analysis of eucalyptus essential oils. <i>Analytical Chemistry</i> , 1994, 66, 425-430.	3.2	29
92	Use of double-depleted ¹³ C and ¹⁵ N culture media for analysis of whole cell bacteria by MALDI time-of-flight and Fourier transform mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 1306-1314.	1.2	28
93	Polar electrophilic additions to styrene. Secondary deuterium isotope effects. <i>Journal of the American Chemical Society</i> , 1972, 94, 6016-6020.	6.6	27
94	Identification of organic mixture components without separation: quantitative and edited carbon-13 nuclear magnetic resonance spectrometry data for analysis of petroleum distillates. <i>Analytical Chemistry</i> , 1986, 58, 2820-2824.	3.2	27
95	Matrix-Assisted Ionization Vacuum for High-Resolution Fourier Transform Ion Cyclotron Resonance Mass Spectrometers. <i>Analytical Chemistry</i> , 2014, 86, 6792-6796.	3.2	27
96	Capillary gas chromatography/Fourier transform mass spectrometry. <i>Analytical Chemistry</i> , 1982, 54, 2443-2447.	3.2	26
97	Lightpipe temperature and other factors affecting signal in gas chromatography/Fourier transform infrared spectrometry. <i>Analytical Chemistry</i> , 1985, 57, 2275-2279.	3.2	26
98	Cryogenically cooled interface for gas chromatography Fourier-transform infrared spectrometry. <i>Analytical Chemistry</i> , 1988, 60, 1483-1488.	3.2	26
99	Investigation of a "screened" electrostatic ion trap for analysis of high mass molecules by Fourier transform mass spectrometry. <i>Analytical Chemistry</i> , 1993, 65, 784-788.	3.2	26
100	Peptide amino acid sequence analysis using matrix-assisted laser desorption/ionization and fourier transform mass spectrometry. <i>Journal of Mass Spectrometry</i> , 1995, 30, 94-98.	0.7	26
101	Evaluation and comparison of pattern classifiers for chemical applications. <i>Journal of the American Chemical Society</i> , 1976, 98, 7139-7144.	6.6	25
102	A carbon-13 nuclear magnetic resonance spectral data base and search system. <i>Magnetic Resonance in Chemistry</i> , 1978, 11, 535-540.	0.7	25
103	Use of self-avoiding paths for characterization of molecular graphs with multiple bonds. <i>Computers & Chemistry</i> , 1980, 4, 27-43.	1.2	25
104	Gas-phase host-guest chemistry of carcerands and hemicarcerands. <i>Journal of the American Chemical Society</i> , 1992, 114, 5748-5751.	6.6	25
105	Multidimensional gas chromatography with parallel cryogenic traps. <i>Analytical Chemistry</i> , 1993, 65, 1012-1016.	3.2	25
106	A comprehensive and comparative analysis for MALDI FTMS lipid and phospholipid profiles from biological samples. <i>Computational Biology and Chemistry</i> , 2005, 29, 294-302.	1.1	25
107	Graph-Based Fragment Searches in Polycyclic Structures. <i>Journal of Chemical Information and Computer Sciences</i> , 1979, 19, 23-31.	2.8	24
108	Postsearch accurate mass measurement filter for gas chromatography/infrared spectrometry/mass spectrometry and gas chromatography/mass spectrometry data. <i>Analytical Chemistry</i> , 1985, 57, 1044-1049.	3.2	24

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109	Gas chromatography/Fourier transform infrared/mass spectrometry using a mass selective detector. <i>Analytical Chemistry</i> , 1986, 58, 2791-2796.	3.2	24
110	Supercritical fluid chromatography interface for a differentially pumped dual-cell Fourier transform mass spectrometer. <i>Analytical Chemistry</i> , 1987, 59, 2283-2288.	3.2	24
111	An external secondary ion source for fourier transform mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1990, 1, 208-216.	1.2	24
112	A novel algorithm for local minimum escape in back-propagation neural networks: application to the interpretation of matrix isolation infrared spectra. <i>Journal of Chemical Information and Computer Sciences</i> , 1994, 34, 984-993.	2.8	24
113	Qualitative analysis of contaminated environmental extracts by multidimensional gas chromatography with infrared and mass spectral detection (MDGC-IR-MS). <i>Journal of Chromatography A</i> , 1996, 726, 167-178.	1.8	24
114	Hadamard transformed carbon-13 nuclear magnetic resonance spectra. Pattern recognition analysis. <i>Analytical Chemistry</i> , 1974, 46, 1798-1802.	3.2	23
115	Large-scale mass spectral analysis by simplex pattern recognition. <i>Analytical Chemistry</i> , 1976, 48, 1768-1774.	3.2	23
116	Oxygenation of hexafluorobenzene by superoxide ion. <i>Journal of the American Chemical Society</i> , 1988, 110, 5193-5195.	6.6	23
117	Multiple discriminant function analysis of carbon-13 nuclear magnetic resonance spectra. Functional group identification by pattern recognition. <i>Analytical Chemistry</i> , 1975, 47, 1849-1851.	3.2	22
118	Accurate mass measurement in the absence of calibrant for capillary column gas chromatography/Fourier transform mass spectrometry. <i>Analytical Chemistry</i> , 1985, 57, 1040-1044.	3.2	22
119	Multidimensional GC For Qualitative IR and MS of Mixtures. <i>Analytical Chemistry</i> , 1994, 66, 295A-301A.	3.2	22
120	Pattern recognition analysis of carbon-13 free induction decay data. <i>Analytical Chemistry</i> , 1975, 47, 662-665.	3.2	21
121	Parallel cryogenic trapping multidimensional gas chromatography with directly linked infrared and mass spectral detection. <i>Journal of Chromatography A</i> , 1993, 645, 153-159.	1.8	21
122	Fragmentation of an alkali metal-attached peptide probed by collision-induced dissociation Fourier transform mass spectrometry and computational methodology. , 1999, 34, 958-968.		21
123	Simplex pattern recognition applied to carbon-13 nuclear magnetic resonance spectrometry. <i>Analytical Chemistry</i> , 1976, 48, 1146-1150.	3.2	20
124	Effects of interferogram sampling of gas chromatography/Fourier transform infrared data on Gram-Schmidt chromatogram reconstruction. <i>Analytical Chemistry</i> , 1983, 55, 998-1001.	3.2	20
125	Applications of a recycled-flow Fourier transform nuclear magnetic resonance system: molecular weight determination of siloxane polymers by silicon-29 NMR. <i>Macromolecules</i> , 1986, 19, 2295-2300.	2.2	20
126	Laser desorption Fourier transform mass spectrometry of chlorophyll A and chlorophyll B. <i>Journal of the American Chemical Society</i> , 1986, 108, 2447-2448.	6.6	20

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127	Neural network assisted rapid screening of large infrared spectral databases. <i>Analytical Chemistry</i> , 1995, 67, 374-378.	3.2	20
128	Effect of Laser Fluence on Laser Desorption Mass Spectra of Organothiols Self-Assembled Monolayers on Gold. <i>Journal of the American Chemical Society</i> , 2001, 123, 769-770.	6.6	20
129	Classification of binary carbon-13 nuclear magnetic resonance spectra. <i>Analytical Chemistry</i> , 1977, 49, 2136-2141.	3.2	19
130	High-speed algorithm for simplex optimization calculations. <i>Analytical Chemistry</i> , 1979, 51, 2295-2297.	3.2	19
131	Convolution-based phase correction in Fourier transform mass spectrometry. <i>Analytical Chemistry</i> , 1980, 52, 1090-1094.	3.2	19
132	A graph-theoretic approach to quantitative structure-activity/reactivity studies. <i>Analytica Chimica Acta</i> , 1981, 133, 637-645.	2.6	18
133	Gas-phase hydrolysis of phenyl acetate and phenyl benzoate by superoxide ion. <i>Journal of the American Chemical Society</i> , 1983, 105, 2091-2092.	6.6	17
134	Comparison of gas chromatography/Fourier transform infrared spectrometric Gram-Schmidt reconstructions from different interferometers. <i>Analytical Chemistry</i> , 1984, 56, 2002-2006.	3.2	17
135	Laser desorption/fourier transform mass spectra of glycoalkaloids and steroid glycosides. <i>Biological Mass Spectrometry</i> , 1986, 13, 199-204.	0.5	17
136	Utilization of spectrometric information in linked gas chromatography-Fourier transform infrared spectroscopy-mass spectrometry. <i>Analytical Chemistry</i> , 1989, 61, 1571-1577.	3.2	17
137	Laser Desorption Mass Spectrometry of Chemically and Electrochemically Prepared Poly(2-vinylthiophene). <i>Macromolecules</i> , 1994, 27, 5107-5113.	2.2	17
138	Coaxial capillary and conductive capillary interfaces for collection of fractions isolated by capillary electrophoresis. <i>Analytical Chemistry</i> , 1995, 67, 4190-4196.	3.2	17
139	Mechanism of the Prins reaction. VII. Kinetic studies of the Prins reaction of styrenes. <i>Journal of Organic Chemistry</i> , 1968, 33, 4155-4158.	1.7	16
140	1,4 elimination of C ₆ H ₆ in the mass spectral fragmentation of 1-phenyltetralin. <i>Organic Mass Spectrometry</i> , 1971, 5, 99-101.	1.3	16
141	A Procedure for Characterization of the Rings of a Molecule. <i>Journal of Chemical Information and Computer Sciences</i> , 1980, 20, 36-46.	2.8	16
142	Fourier transform mass spectrometry using random-noise excitation. <i>Chemical Physics Letters</i> , 1984, 108, 58-62.	1.2	16
143	Analytical applications of a recycled flow nuclear magnetic resonance system: quantitative analysis of slowly relaxing nuclei. <i>Analytical Chemistry</i> , 1985, 57, 1286-1290.	3.2	16
144	Comparison of laser desorption fourier transform mass spectrometry and fast atom bombardment mass spectrometry of iron(III) tetraphenylporphyrins. <i>Organic Mass Spectrometry</i> , 1989, 24, 197-200.	1.3	16

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145	Probe interface for supercritical fluid chromatography/Fourier transform mass spectrometry. <i>Analytical Chemistry</i> , 1991, 63, 251-255.	3.2	16
146	Quantitative aspects of a valve-based, multi-stage multidimensional gas chromatography-infrared spectroscopy-mass spectrometry system. <i>Journal of Chromatography A</i> , 1994, 678, 265-277.	1.8	16
147	Hydrocarbon polymer analysis by external MALDI fourier transform and reflectron time of flight mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 2009-2016.	1.2	16
148	Effects of Lightpipe Dimensions on Gas Chromatography/Fourier Transform Infrared Sensitivity. <i>Applied Spectroscopy</i> , 1984, 38, 17-20.	1.2	15
149	Analytical applications of a recycled flow nuclear magnetic resonance system: signal enhancement of slowly relaxing nuclei. <i>Analytical Chemistry</i> , 1985, 57, 1281-1286.	3.2	15
150	Tandem Fourier transform mass spectrometry of block and random copolymers. <i>International Journal of Mass Spectrometry</i> , 2011, 301, 184-194.	0.7	15
151	Applications of fourier transform mass spectrometry to investigation of polar or non-volatile molecules. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1983, 46, 135-138.	1.3	14
152	Fourier transform mass spectrometric studies of Al ⁺ , Ga ⁺ and In ⁺ with organic neutral molecules and alkyl halides. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1988, 82, 163-176.	1.9	14
153	Strategy for sequencing oligopeptides using positive and negative ion laser desorption fourier transform mass spectrometry. <i>Organic Mass Spectrometry</i> , 1989, 24, 409-414.	1.3	14
154	Recent advances in multidimensional gas chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 1994, 13, 13-17.	5.8	14
155	Amphiphilic Approach for Preparing Homopolyrotaxanes of Poly(ethylene oxide). <i>Macromolecules</i> , 1997, 30, 8139-8152.	2.2	14
156	Poly(ethylene glycol) limits of detection using internal matrix-assisted laser desorption/ionization fourier transform mass spectrometry. , 1998, 33, 473-479.		14
157	Interference from multiple cations in MALDI-MS spectra of copolymers. <i>International Journal of Mass Spectrometry</i> , 2004, 234, 153-160.	0.7	14
158	Trapping of wide range mass-to-charge ions and dependence on matrix amount in internal source MALDI-FTMS. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1772-1780.	1.2	14
159	Laser desorption/ionization fourier transform mass spectrometry of thin films deposited on silicon by plasma polymerization of acetylene. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 411-420.	1.2	14
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