

Giorgio Montaudo

List of Publications by Year in descending order

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150
papers

6,344
citations

71102

41
h-index

88630

70
g-index

155
all docs

155
docs citations

155
times ranked

3317
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of synthetic polymers by MALDI-MS. <i>Progress in Polymer Science</i> , 2006, 31, 277-357.	24.7	395
2	Characterization of polymers by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry: Molecular weight estimates in samples of varying polydispersity. <i>Rapid Communications in Mass Spectrometry</i> , 1995, 9, 453-460.	1.5	235
3	Molecular and Structural Characterization of Polydisperse Polymers and Copolymers by Combining MALDI-TOF Mass Spectrometry with GPC Fractionation. <i>Macromolecules</i> , 1995, 28, 7983-7989.	4.8	190
4	Primary thermal degradation mechanisms of PET and PBT. <i>Polymer Degradation and Stability</i> , 1993, 42, 13-28.	5.8	171
5	Determination of linkage position and identification of the reducing end in linear oligosaccharides by negative ion fast atom bombardment mass spectrometry. <i>Analytical Chemistry</i> , 1990, 62, 279-286.	6.5	170
6	Thermal degradation of poly(ethylene terephthalate) at the processing temperature. <i>Polymer Degradation and Stability</i> , 2004, 83, 3-10.	5.8	151
7	Evolution of aromatics in the thermal degradation of poly(vinyl chloride): A mechanistic study. <i>Polymer Degradation and Stability</i> , 1991, 33, 229-262.	5.8	129
8	Mechanism of Exchange in PBT/PC and PET/PC Blends. Composition of the Copolymer Formed in the Melt Mixing Process. <i>Macromolecules</i> , 1998, 31, 650-661.	4.8	127
9	Evidence for Ester-Exchange Reactions and Cyclic Oligomer Formation in the Ring-Opening Polymerization of Lactide with Aluminum Complex Initiators. <i>Macromolecules</i> , 1996, 29, 6461-6465.	4.8	124
10	Thermal Decomposition Processes in Aromatic Polycarbonates Investigated by Mass Spectrometry. <i>Macromolecules</i> , 1999, 32, 2194-2203.	4.8	124
11	Soil burial and enzymatic degradation in solution of aliphatic co-polyesters. <i>Polymer Degradation and Stability</i> , 2004, 85, 855-863.	5.8	112
12	Molecular weight distribution of poly(dimethylsiloxane) by combining matrix-assisted laser desorption/ionization time-of-flight mass spectrometry with gel-permeation chromatography fractionation. <i>Rapid Communications in Mass Spectrometry</i> , 1995, 9, 1158-1163.	1.5	108
13	Characterization of Polymers by Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry. End Group Determination and Molecular Weight Estimates in Poly(ethylene glycols). <i>Macromolecules</i> , 1995, 28, 4562-4569.	4.8	108
14	Application of size exclusion chromatography matrix-assisted laser desorption/ionization time-of-flight to the determination of molecular masses in polydisperse polymers. <i>Rapid Communications in Mass Spectrometry</i> , 1998, 12, 519-528.	1.5	97
15	Thermal degradation of poly(butylene terephthalate) at the processing temperature. <i>Polymer Degradation and Stability</i> , 2004, 83, 11-17.	5.8	97
16	Primary thermal decomposition processes in aliphatic polyesters investigated by chemical ionization mass spectrometry. <i>Macromolecules</i> , 1986, 19, 1643-1649.	4.8	89
17	Synthesis and enzymatic degradation of aliphatic copolyesters. <i>Polymer Degradation and Stability</i> , 2000, 70, 305-314.	5.8	84
18	Mechanism of exchange in polyesters: composition and microstructure of copolymers formed in the melt mixing process of poly(ethylene terephthalate) and poly(ethylene adipate). <i>Macromolecules</i> , 1992, 25, 5099-5107.	4.8	83

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19	Primary thermal decomposition processes in aliphatic polyamides. <i>Polymer Degradation and Stability</i> , 1989, 23, 25-41.	5.8	74
20	Evidence for Selective Hydrolysis of Aliphatic Copolyesters Induced by Lipase Catalysis. <i>Biomacromolecules</i> , 2004, 5, 433-444.	5.4	73
21	MALDI-TOF Investigation of Polymer Degradation. Pyrolysis of Poly(bisphenol A carbonate). <i>Macromolecules</i> , 1999, 32, 8821-8828.	4.8	72
22	Mechanism of thermal degradation of polyurethanes. Effect of ammonium polyphosphate. <i>Macromolecules</i> , 1984, 17, 1605-1614.	4.8	70
23	Intumescent flame retardants for polymers. IV. The polycarbonate-aromatic sulfonates system. <i>Journal of Polymer Science Part A</i> , 1988, 26, 2113-2127.	2.3	67
24	Novel Procedure for Molecular Weight Averages Measurement of Polydisperse Polymers Directly from Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectra. , 1996, 10, 1551-1559.		67
25	Carbon-13 Nuclear Magnetic Resonance Studies of ortho-Substituted Anisoles and Diphenyl Ethers. <i>Canadian Journal of Chemistry</i> , 1974, 52, 767-774.	1.1	61
26	Thermal and thermoxidative degradation processes in poly(bisphenol a carbonate). <i>Journal of Analytical and Applied Pyrolysis</i> , 2002, 64, 229-247.	5.5	61
27	2-(4-hydroxyphenylazo)benzoic acid: A solid matrix for matrix-assisted laser desorption/ionization of polystyrene. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 1011-1015.	1.5	60
28	Sequencing bacterial poly(.beta.-hydroxybutyrate-co-.beta.-hydroxyvalerate) by partial methanolysis, HPLC fractionation, and fast-atom-bombardment mass spectrometry analysis. <i>Macromolecules</i> , 1989, 22, 2107-2111.	4.8	59
29	Mechanisms of Thermal Oxidation of Poly(bisphenol A carbonate). <i>Macromolecules</i> , 2002, 35, 4297-4305.	4.8	59
30	Mass spectral characterization and thermal decomposition mechanism of poly(dimethylsiloxane). <i>Macromolecules</i> , 1984, 17, 1312-1315.	4.8	57
31	Thermal degradation mechanisms of polyetherimide investigated by direct pyrolysis mass spectrometry. <i>Macromolecular Chemistry and Physics</i> , 1999, 200, 2345-2355.	2.2	56
32	Determination of Absolute Mass Values in MALDI-TOF of Polymeric Materials by a Method of Self-Calibration of the Spectra. <i>Analytical Chemistry</i> , 1994, 66, 4366-4369.	6.5	55
33	Mechanism of thermal decomposition of nylon 66. <i>Macromolecules</i> , 1987, 20, 2991-2997.	4.8	52
34	Characterization of end groups in nylon 6 by MALDI-TOF mass spectrometry. <i>Journal of Polymer Science Part A</i> , 1996, 34, 439-447.	2.3	50
35	MALDI Investigation of Photooxidation in Aliphatic Polyesters: Poly(butylene succinate). <i>Macromolecules</i> , 2004, 37, 6576-6586.	4.8	49
36	End-Groups-Dependent MALDI Spectra of Polymer Mixtures. <i>Macromolecules</i> , 2002, 35, 3000-3007.	4.8	47

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37	Matrix-assisted laser desorption/ionization time-of-flight/time-of-flight tandem mass spectra of poly(butylene adipate). <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1683-1694.	1.5	47
38	Direct Mass Spectrometry of Polymers. <i>British Polymer Journal</i> , 1986, 18, 231-235.	0.7	46
39	Structural Characterization of Multicomponent Copolyesters by Mass Spectrometry. <i>Macromolecules</i> , 1998, 31, 8666-8676.	4.8	46
40	Direct mass spectrometry of polymers. VII. Primary thermal fragmentation processes in polycarbonates. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1983, 21, 1567-1581.	0.8	45
41	Correlation of thermal degradation mechanisms: Polyacetylene and vinyl and vinylidene polymers. <i>Journal of Polymer Science Part A</i> , 1986, 24, 301-316.	2.3	45
42	Microstructure of bacterial poly(β -hydroxybutyrate-co- β -hydroxyvalerate) by fast atom bombardment mass spectrometry analysis of the partial pyrolysis products. <i>Macromolecules</i> , 1991, 24, 1231-1236.	4.8	44
43	Untersuchungen von polymeren im massenspektrometer, 6. Poly(oxy-1,4-phenylen), poly(thio-1,4-phenylen) und poly(dithio-1,4-phenylen). <i>Die Makromolekulare Chemie</i> , 1975, 176, 1763-1776.	1.1	43
44	Thermal oxidation of poly(bisphenol A carbonate) investigated by SEC/MALDI. <i>Polymer Degradation and Stability</i> , 2002, 77, 137-146.	5.8	43
45	Direct mass spectrometry of polymers. XI. Primary thermal fragmentation processes in aromatic α -aliphatic polyesters. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1984, 22, 1217-1229.	0.8	42
46	Direct mass spectrometry of polymers. X. Primary thermal fragmentation processes in totally aromatic polyesters. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1984, 22, 1201-1216.	0.8	40
47	Analytical degradation: An approach to the structural analysis of microbial polyesters by different methods. <i>Journal of Analytical and Applied Pyrolysis</i> , 1989, 16, 239-253.	5.5	40
48	Thermal degradation of microbial poly(4-hydroxybutyrate). <i>Macromolecules</i> , 1994, 27, 332-336.	4.8	40
49	Chemical reactions which occur in the thermal treatment of polycarbonate/polyethyleneterephthalate blends, investigated by direct pyrolysis mass spectrometry. <i>Polymer Degradation and Stability</i> , 1991, 31, 291-326.	5.8	39
50	Further studies on the composition and microstructure of copolymers by statistical modeling of their mass spectra. <i>Macromolecules</i> , 1992, 25, 4264-4280.	4.8	39
51	Molar Mass Distributions and Hydrodynamic Interactions in Random Copolyesters Investigated by Size Exclusion Chromatography/Matrix-Assisted Laser Desorption Ionization. <i>Macromolecules</i> , 1998, 31, 3839-3845.	4.8	39
52	Thermal decomposition processes in aliphatic-aromatic polyamides investigated by mass spectrometry. <i>Macromolecules</i> , 1986, 19, 2693-2699.	4.8	38
53	Chemical reactions occurring in the thermal treatment of polymer blends investigated by direct pyrolysis mass spectrometry: Polycarbonate/polybuthyleneterephthalate. <i>Journal of Polymer Science Part A</i> , 1993, 31, 13-25.	2.3	38
54	Effect of metal oxides on the evolution of aromatic hydrocarbons in the thermal decomposition of PVC. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1980, 18, 3101-3110.	0.8	37

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55	Thermal decomposition processes in bisphenol a polycarbonate. <i>Polymer Degradation and Stability</i> , 1992, 37, 91-96.	5.8	37
56	Bivariate Distribution in PMMA/PBA Copolymers by Combined SEC/NMR and SEC/MALDI Measurements. <i>Macromolecules</i> , 1999, 32, 7015-7022.	4.8	37
57	Further studies on the thermal decomposition processes in polycarbonates. <i>Polymer Degradation and Stability</i> , 1991, 31, 229-246.	5.8	36
58	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry with size-exclusion chromatographic fractionation for structural characterization of synthetic aliphatic copolyesters. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 804-814.	1.5	36
59	Self-calibrating property of matrix-assisted laser desorption/ionization time-of-flight spectra of polymeric materials. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 981-984.	1.5	35
60	Primary thermal degradation processes of poly(ether-sulfone) and poly(phenylene oxide) investigated by direct pyrolysis-mass spectrometry. <i>Macromolecular Chemistry and Physics</i> , 1994, 195, 1225-1239.	2.2	35
61	Exchange reactions occurring through active chain ends: Melt mixing of nylon 6 and polycarbonate. <i>Journal of Polymer Science Part A</i> , 1994, 32, 15-31.	2.3	34
62	Exchange Reactions Occurring through Active Chain Ends. MALDI-TOF Characterization of Copolymers from Nylon 6,6 and Nylon 6,10. <i>Macromolecules</i> , 2003, 36, 1098-1107.	4.8	34
63	Sequence determination in aliphatic poly(ester amide)s by matrix-assisted laser desorption/ionization time-of-flight and time-of-flight/time-of-flight tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 2407-2418.	1.5	34
64	Thermal decomposition processes in polycarbonates. <i>Polymer Degradation and Stability</i> , 1989, 26, 285-304.	5.8	33
65	Sequence distribution of β -hydroxyalkanoate units with higher alkyl groups in bacterial copolyesters. <i>Macromolecules</i> , 1990, 23, 5059-5064.	4.8	33
66	Quantitative determination of β (1-2) cyclic glucans by matrix-assisted laser desorption mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 358-360.	1.5	33
67	Thermal Oxidation Products of Nylon 6 Determined by MALDI-TOF Mass Spectrometry. <i>Macromolecular Rapid Communications</i> , 2001, 22, 524-529.	3.9	33
68	MALDI Investigation of the Photooxidation of Nylon-66. <i>Macromolecules</i> , 2004, 37, 6037-6049.	4.8	33
69	Essential Role of Chain Ends in the Ny6/PBT Exchange. A Combined NMR and MALDI Approach. <i>Macromolecules</i> , 2003, 36, 7143-7154.	4.8	32
70	Molecular architecture of poly[(R,S)-3-hydroxybutyrate-co-6-hydroxyhexanoate] and poly[(R,S)-3-hydroxybutyrate-co-(R,S)-2-hydroxyhexanoate] oligomers investigated by electrospray ionization ion-trap multistage mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1436-1446.	1.5	32
71	Untersuchungen von polymeren im massenspektrometer, 4. Abbaureaktionen von polybenzylen. <i>Die Makromolekulare Chemie</i> , 1974, 175, 2441-2459.	1.1	31
72	Characterization of poly(carboxypiperazine) by mass analyzed ion kinetic energy spectrometry. <i>Analytical Chemistry</i> , 1982, 54, 674-677.	6.5	31

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73	Thermal degradation processes in aliphatic polydithiocarbonates. <i>Journal of Polymer Science Part A</i> , 1989, 27, 2277-2290.	2.3	31
74	Determination of microstructure in copolymers. Statistical modeling and computer simulation of mass spectra. <i>Macromolecules</i> , 1991, 24, 5051-5057.	4.8	31
75	Thermal Degradation Mechanisms in Condensation Polymers. , 1987, , 35-80.		30
76	An iron-organic polymeric smoke suppressant for poly(vinyl chloride). <i>Applied Organometallic Chemistry</i> , 1988, 2, 53-57.	3.5	29
77	Primary thermal degradation processes of poly(ether/ketone) and poly(ether) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (ket Macromolecular Chemistry and Physics, 1994, 195, 1241-1256.	2.2	29
78	Analysis of poly(bisphenol A carbonate) by size exclusion chromatography/matrix-assisted laser desorption/ionization. 1. End group and molar mass determination. , 1999, 13, 2260-2267.		29
79	Current Trends in Matrix-Assisted Laser Desorption/Ionization of Polymeric Materials. <i>European Journal of Mass Spectrometry</i> , 2005, 11, 1-14.	1.0	29
80	Thermal degradation of polyurethanes investigated by direct pyrolysis in the mass spectrometer. <i>Die Makromolekulare Chemie</i> , 1980, 181, 2161-2173.	1.1	28
81	Direct mass spectrometry of polymers. VIII. Primary thermal fragmentation processes in polyurethanes. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1983, 21, 1583-1598.	0.8	28
82	Identification of the ions produced by fast atom bombardment mass spectrometry in some polyesters and polyamides. <i>Analytical Chemistry</i> , 1987, 59, 2024-2027.	6.5	28
83	New Vistas in the Photo-Oxidation of Nylon 6. <i>Macromolecules</i> , 2003, 36, 7499-7507.	4.8	28
84	Structural Characterization of Copolyamides Synthesized via the Facile Blending of Polyamides. <i>Macromolecules</i> , 2004, 37, 6449-6459.	4.8	28
85	Conformational Preferences of ortho-Substituted Benzophenones. Correlations Between Carbon-13 Nuclear Magnetic Resonance Shieldings and Calculated Torsional Angles. <i>Canadian Journal of Chemistry</i> , 1973, 51, 1053-1059.	1.1	27
86	Thermal degradation products of poly(styrenesulfides) investigated by direct pyrolysisâ€”mass spectrometry and flash pyrolysisâ€”gas chromatography/mass spectrometry. <i>Journal of Analytical and Applied Pyrolysis</i> , 1994, 29, 207-222.	5.5	26
87	End-group characterization of poly(methylphenylsilane) by alkali metal salts doped MALDI-TOF mass spectra. <i>Macromolecular Chemistry and Physics</i> , 1996, 197, 2615-2625.	2.2	26
88	Untersuchungen von polymeren im massenspektrometer, 5. Fragmentierungsreaktionen oligomerer oxy- und thio-1,4-phenylene. <i>Die Makromolekulare Chemie</i> , 1975, 176, 1753-1761.	1.1	25
89	Mass spectrometric detection of cyclic oligomers in polyurethanes and polyureas. <i>Macromolecules</i> , 1982, 15, 883-885.	4.8	25
90	Molecular Weight Determination and Structural Analysis in Polydisperse Polymers by Hyphenated Gel Permeation Chromatography/Matrix-Assisted Laser Desorption Ionizationâ€”Time of Flight Mass Spectrometry. <i>International Journal of Polymer Analysis and Characterization</i> , 1997, 3, 177-192.	1.9	25

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91	Thermal decomposition processes in aromatic-aliphatic polyamides investigated by mass spectrometry. <i>Journal of Polymer Science Part A</i> , 1987, 25, 1049-1063.	2.3	24
92	Mass spectral determination of cyclic oligomer distributions in polymerization and degradation reactions. <i>Macromolecules</i> , 1991, 24, 5829-5833.	4.8	24
93	Primary thermal degradation processes occurring in poly(phenylenesulfide) investigated by direct pyrolysis-mass spectrometry. <i>Journal of Polymer Science Part A</i> , 1994, 32, 1807-1815.	2.3	24
94	Synthesis of AB and ABA block copolymers as compatibilizers in nylon 6/polycarbonate blends. <i>Journal of Polymer Science Part A</i> , 1996, 34, 1283-1290.	2.3	24
95	Structural characterization of butadiene/styrene copolymers by fast atom bombardment mass spectrometry analysis of the partial ozonolysis products. <i>Macromolecules</i> , 1991, 24, 376-382.	4.8	23
96	Microstructure of co-polymers by fast-atom bombardment mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1991, 5, 95-100.	1.5	23
97	Thermal Degradation Processes in Poly(xylylene sulfides) Investigated by Comparative Direct Pyrolysis MS and Flash Pyrolysis GC/MS Experiments. <i>Macromolecules</i> , 1996, 29, 6466-6474.	4.8	23
98	Direct mass spectrometry of polymers. XII. Thermal fragmentation processes in poly(α -aminoacids). <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1985, 23, 1145-1161.	0.8	22
99	MALDI-TOF characterisation of thermally generated gel from Nylon 66. <i>Polymer Degradation and Stability</i> , 2002, 78, 369-378.	5.8	22
100	Thermal degradation of new copolymers from pyromellitic anhydride. <i>Polymer</i> , 1989, 30, 2237-2245.	3.8	21
101	New Vistas in Polymer Degradation. Thermal Oxidation Processes in Poly(ether imide). <i>Macromolecules</i> , 2005, 38, 6849-6862.	4.8	21
102	Metal-catalyzed oxidation of poly(β -methylstyrene) during surface-enhanced Raman scattering. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1989, 27, 1017-1027.	2.1	20
103	Analysis of poly(bisphenol A carbonate) by size exclusion chromatography/matrix-assisted laser desorption/ionization. 2. Self-association due to phenol end groups. , 1999, 13, 2268-2277.		20
104	Mass spectral characterization and thermal decomposition mechanism of alternating silarylene-siloxane polymers. <i>Macromolecules</i> , 1984, 17, 1848-1854.	4.8	19
105	Photo-oxidation products of polyetherimide ULTEM determined by MALDI-TOF-MS. Kinetics and mechanisms. <i>Polymer Degradation and Stability</i> , 2003, 80, 459-476.	5.8	19
106	Mass spectrometric characterization of poly(ethylene terephthalate-co-p-oxybenzoate). <i>Journal of Polymer Science Part A</i> , 1987, 25, 271-284.	2.3	18
107	Separation and Structural Characterization of Cyclic and Open Chain Oligomers Produced in the Partial Pyrolysis of Microbial Poly(hydroxybutyrates). <i>Macromolecules</i> , 1995, 28, 7911-7916.	4.8	18
108	Thermal decomposition processes in aromatic polythiocarbonates. <i>Journal of Polymer Science Part A</i> , 1989, 27, 2657-2672.	2.3	17

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109	Direct mass spectrometry of polymers. IX. Copoly(carbonate-urethanes) prepared by reorganization of polycarbonates with piperazine. Journal of Polymer Science: Polymer Chemistry Edition, 1983, 21, 1599-1615.	0.8	16
110	Identification of pyrolysis products of polysulphides by collisionally activated decomposition linked scanning mass spectrometry. Journal of Analytical and Applied Pyrolysis, 1987, 10, 283-290.	5.5	16
111	Formation of Cyclic Oligomers. , 1989, , 63-90.		16
112	Polymerization of nitro compounds on silver surfaces during surface-enhanced Raman scattering. Journal of Raman Spectroscopy, 1990, 21, 311-320.	2.5	16
113	Determination of sequence distributions in bacterial copolyesters containing higher alkyl and alkenyl pendant groups. Macromolecules, 1992, 25, 1845-1851.	4.8	16
114	Recent Advances in MALDI Mass Spectrometry of Polymers. Macromolecular Symposia, 2001, 169, 101-112.	0.7	16
115	Fast atom bombardment mass spectrometry identification of oligomers contained in poly(.epsilon.-caprolactam) and poly(butylene isophthalate). Macromolecules, 1987, 20, 1029-1032.	4.8	15
116	Organotin-mediated synthesis of macrocyclic tetraesters. A combined proton NMR spectroscopy, gel permeation chromatography, and fast atom bombardment mass spectrometry approach to complete product analysis. Macromolecules, 1989, 22, 3275-3280.	4.8	15
117	Identification of polymers by library search of pyrolysis mass spectra and pattern recognition analysis. Journal of Analytical and Applied Pyrolysis, 1985, 9, 1-17.	5.5	14
118	Title is missing!. Die Makromolekulare Chemie, 1993, 194, 993-1001.	1.1	13
119	Comparison of Photooxidation and Thermal Oxidation Processes in Poly(ether imide). Macromolecules, 2005, 38, 6863-6870.	4.8	13
120	Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Investigation of Nylon 6 and Nylon 66 Thermo-Oxidation Products. European Journal of Mass Spectrometry, 2007, 13, 397-408.	1.0	13
121	Mixtures of cyclic oligomers of poly(lactic acid) analyzed by negative chemical ionization and thermospray mass spectrometry. Polymer Bulletin, 1986, 15, 353.	3.3	12
122	Primary thermal fragmentation processes in poly(ethylene oxalate) investigated by mass spectrometry. Polymer Degradation and Stability, 1988, 21, 311-321.	5.8	12
123	Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1989, 10, 411-417.	1.1	12
124	Mtrix-Assisted Laser Desorption Ionization/ Mass Spectrometry of Polymers (MALDI-MS). , 2001, , 419-522.		12
125	Title is missing!. Die Makromolekulare Chemie, 1981, 182, 1319-1326.	1.1	11
126	Direct mass spectrometry of polymers. XIV. Thermal fragmentation processes in poly-schiff bases. Journal of Polymer Science Part A, 1986, 24, 331-346.	2.3	11

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127	Thermal decomposition processes in polyhydrazides and polyoxamides investigated by mass spectrometry. <i>Polymer</i> , 1987, 28, 139-146.	3.8	11
128	Sequence distribution of $\hat{1}^2$ -hydroxyalkanoate units in bacterial copolyesters determined by desorption chemical ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1992, 6, 702-706.	1.5	11
129	Synthesis and Characterization of Polyesters Produced by <i>Rhodospirillum rubrum</i> from Pentenoic Acid. <i>Macromolecules</i> , 1995, 28, 3664-3671.	4.8	11
130	Direct mass spectrometry of polymers. XIII.. Thermal fragmentation processes in copoly- $\hat{1}^{\pm}$ -amino acids. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1985, 23, 1731-1747.	0.8	10
131	Thermal degradation processes of polyamides investigated by collision activated decomposition mass spectrometry/mass spectrometry. <i>Polymer Degradation and Stability</i> , 1986, 16, 337-346.	5.8	10
132	Sequence distribution of poly(ether-sulfone)/poly(ether-ketone) copolymers by mass spectrometry and ^{13}C NMR. <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 499-511.	2.2	10
133	Thermal decomposition mechanisms of sequential bipolyesters based on propeneglycol and hydroxybenzoic/phthalic diacid derivatives. <i>Journal of Polymer Science Part A</i> , 1986, 24, 1643-1656.	2.3	9
134	Selective oxidation of para-substituted polystyrenes during surface-enhanced Raman scattering. <i>Macromolecules</i> , 1989, 22, 3955-3960.	4.8	9
135	Microstructure of copolymers by statistical modeling of their mass spectra. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1993, 65, 269-278.	0.6	9
136	Current problems in pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 1988, 13, 1-7.	5.5	8
137	Fast atom bombardment mass spectrometric analysis of the partial ozonolysis products of poly(isoprene) and poly(chloroprene). <i>Journal of Polymer Science Part A</i> , 1992, 30, 525-532.	2.3	8
138	Partially selective methanolysis of sebacic units in biodegradable multicomponent copolyesters. <i>Macromolecular Rapid Communications</i> , 1998, 19, 445-451.	3.9	8
139	Analysis of polymers by mass spectrometry. <i>Journal of Analytical and Applied Pyrolysis</i> , 1987, 12, 3-10.	5.5	7
140	An expert system for the interpretation of pyrolysis mass spectra of condensation polymers. <i>Analytica Chimica Acta</i> , 1998, 359, 213-225.	5.4	7
141	Carbon-13 Nuclear Magnetic Resonance Studies of Some Methyl Substituted Diphenylmethanes. <i>Canadian Journal of Chemistry</i> , 1974, 52, 3196-3200.	1.1	6
142	Effect of N-methyl substitution on the thermal decomposition processes in aliphatic- $\hat{1}$ -aromatic polyamides. <i>Journal of Polymer Science Part A</i> , 1987, 25, 2351-2367.	2.3	6
143	On the mechanism of thermal degradation of polypivalolactone. <i>Macromolecules</i> , 1991, 24, 1416-1417.	4.8	6
144	Smoke dilution methods for the evaluation of the smoke emission from burning polymers: A comparative approach. <i>Fire and Materials</i> , 1981, 5, 61-65.	2.0	5

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145	Pyrolysis-mass spectrometry of copolymers of 2-vinylnaphthalene with methylacrylate and methylmaleate. <i>Journal of Analytical and Applied Pyrolysis</i> , 1988, 13, 161-170.	5.5	4
146	Thermal Degradation of Condensation Polymers. , 1989, , 227-251.		3
147	Sequence of polymers by mass spectrometry. <i>Macromolecular Symposia</i> , 1995, 98, 899-909.	0.7	1
148	Matrix-Assisted Laser Desorption Ionization/ Mass Spectrometry of Polymers (MALDI-MS). , 2001, , .		1
149	Direct Pyrolysis of Polymers into the Ion Source of a Mass Spectrometer (DP- MS). , 2001, , .		1
150	Fast Atom Bombardment of Polymers. , 2001, , .		0