

Harald Pasch

List of Publications by Year in descending order

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166
papers

3,991
citations

125106

35
h-index

198040

52
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168
all docs

168
docs citations

168
times ranked

2493
citing authors

#	ARTICLE	IF	CITATIONS
1	Multidimensional analytical protocols for the fractionation and analysis of complex polyolefins. <i>Journal of Polymer Science</i> , 2022, 60, 1059-1078.	2.0	7
2	Fractionation of chain walking polyethylene and elucidation of branching, conformation and molar mass distributions. <i>International Journal of Polymer Analysis and Characterization</i> , 2021, 26, 47-59.	0.9	7
3	Variable temperature asymmetric flow field-flow fractionation for the topology separation of poly(methyl methacrylate). <i>Analytica Chimica Acta</i> , 2021, 1144, 150-157.	2.6	2
4	Characterization of polyolefins. , 2021, , 173-222.		7
5	Linking molecular structure to plant conditions: advanced analysis of a systematic set of mini-plant scale low density polyethylenes. <i>Polymer Chemistry</i> , 2021, 12, 3026-3041.	1.9	10
6	Thermal Field-Flow Fractionation as a Powerful Tool for the Fractionation of Complex Synthetic Polymers: A Perspective. <i>Chromatographia</i> , 2021, 84, 525-530.	0.7	6
7	Aldehyde-Functionalized Polymers from the Reverse Iodine Transfer Polymerization of Lignin-Derivable Compounds. <i>ACS Applied Polymer Materials</i> , 2021, 3, 3941-3952.	2.0	7
8	Improving temperature gradient interaction chromatography of polyolefins by simultaneous use of different stationary phases. <i>Journal of Chromatography A</i> , 2021, 1653, 462416.	1.8	3
9	Conformation and persistence length of chitosan in aqueous solutions of different ionic strengths via asymmetric flow field-flow fractionation. <i>Carbohydrate Polymers</i> , 2021, 271, 118402.	5.1	11
10	Connecting the complex microstructure of LDPE to its rheology and processing properties <i>via</i> a combined fractionation and modelling approach. <i>RSC Advances</i> , 2021, 11, 33114-33123.	1.7	4
11	Characterization of Complex Branched Polymers by Multidetector Thermal Field-Flow Fractionation. <i>Macromolecular Rapid Communications</i> , 2020, 41, 1900556.	2.0	4
12	Deformulation of commercial linear low-density polyethylene resins by advanced fractionation and analysis. <i>Polymer International</i> , 2020, 69, 291-300.	1.6	8
13	Comprehensive Analysis of Polyethylene Graft Copolymers by Preparative Fractionation, Interaction Chromatography, and Thermal Analysis. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5864-5877.	2.0	10
14	Two-dimensional fractionation of complex polymers by comprehensive online-coupled thermal field-flow fractionation and size exclusion chromatography. <i>Analytica Chimica Acta</i> , 2020, 1107, 225-232.	2.6	11
15	Unraveling Multiple Distributions in Chain Walking Polyethylene Using Advanced Liquid Chromatography. <i>Macromolecules</i> , 2020, 53, 3765-3777.	2.2	21
16	Improving chromatographic separation of polyolefins on porous graphitic carbon stationary phases: effects of adsorption promoting solvent and column length. <i>RSC Advances</i> , 2020, 10, 17942-17950.	1.7	5
17	Selectivity of Thermal Analysis in the Branching Analysis of Low Density Polyethylene. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000095.	1.1	14
18	Chromatographic mode transition from size exclusion to slalom chromatography as observed for chitosan. <i>Carbohydrate Polymers</i> , 2020, 235, 115950.	5.1	7

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19	Retention of polypropylene stereoisomers in solvent gradient interaction chromatography on porous graphitic carbon as influenced by temperature and mobile phase composition. <i>Journal of Chromatography A</i> , 2020, 1618, 460865.	1.8	9
20	Advanced Liquid Chromatography of Polyolefins Using Simultaneous Solvent and Temperature Gradients. <i>Analytical Chemistry</i> , 2020, 92, 7325-7333.	3.2	11
21	Comprehensive analysis of chestnut tannins by reversed phase and hydrophilic interaction chromatography coupled to ion mobility and high resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2019, 1088, 150-167.	2.6	20
22	Comprehensive analysis of tara tannins by reversed-phase and hydrophilic interaction chromatography coupled to ion mobility and high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6329-6341.	1.9	9
23	Comprehensive branching analysis of star-shaped polystyrenes using a liquid chromatography-based approach. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5063-5078.	1.9	8
24	Thermal Field-Flow Fractionation with Quintuple Detection for the Comprehensive Analysis of Complex Polymers. <i>Analytical Chemistry</i> , 2019, 91, 6926-6933.	3.2	16
25	Comprehensive two-dimensional liquid chromatography for the characterization of acrylate-modified hyaluronic acid. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3321-3330.	1.9	8
26	Bivariate molecular structure distribution of randomly branched polyethylene by orthogonal preparative fractionation. <i>Polymer Chemistry</i> , 2019, 10, 2484-2494.	1.9	13
27	Applications and Experimental Design. Springer Laboratory, 2019, , 31-99.	0.2	0
28	Thermal Field-Flow Fractionation of Polymers. Springer Laboratory, 2019, , .	0.2	9
29	Thermal Field-Flow Fractionation (ThFFF). Springer Laboratory, 2019, , 13-29.	0.2	1
30	Multidimensional chromatographic analysis of carboxylic acid-functionalized polyethylene. <i>Polymer Chemistry</i> , 2019, 10, 5859-5869.	1.9	8
31	Online coupling of thermal field-flow fractionation and Fourier transform infrared spectroscopy as a powerful tool for polymer characterization. <i>Journal of Chromatography A</i> , 2019, 1587, 180-188.	1.8	12
32	Comprehensive branching analysis of polyethylene by combined fractionation and thermal analysis. <i>Polymer International</i> , 2019, 68, 206-217.	1.6	16
33	Branching and molar mass analysis of low density polyethylene using the multiple preparative fractionation concept. <i>Polymer Chemistry</i> , 2018, 9, 1116-1131.	1.9	20
34	Chemical Composition Fractionation of Olefin Plastomers/Elastomers by Solvent and Thermal Gradient Interaction Chromatography. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1700703.	2.0	15
35	A multidimensional fractionation protocol for the oligomer analysis of oxidized waxes. <i>Analytica Chimica Acta</i> , 2018, 1027, 137-148.	2.6	12
36	Characterization of charged polymer self-assemblies by multidetector thermal field-flow fractionation in aqueous mobile phases. <i>Journal of Chromatography A</i> , 2018, 1532, 175-181.	1.8	11

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37	Thermal Field-Flow Fractionation for the Investigation of the Thermoresponsive Nature of Star and Linear Polystyrene. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800417.	1.1	15
38	Stereocomplexation of Polymers in Micelle Nanoreactors As Studied by Multiple Detection Thermal Field-Flow Fractionation. <i>Analytical Chemistry</i> , 2018, 90, 13987-13995.	3.2	7
39	Comprehensive analysis of novel grafted polyethylenes using multidimensional fractionation methods. <i>Polymer Chemistry</i> , 2018, 9, 5051-5065.	1.9	18
40	Comprehensive Three-Dimensional LC-MS- Ion Mobility Spectrometry Separation Combined with High-Resolution MS for the Analysis of Complex Samples. <i>Analytical Chemistry</i> , 2018, 90, 11643-11650.	3.2	57
41	Molar Mass Analysis of Hydrophobically Modified Hyaluronic Acid by SEC-MALLS: Facing the Challenges of Amphiphilic Biomacromolecules. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800233.	1.1	4
42	Comprehensive Analysis of Oxidized Waxes by Solvent and Thermal Gradient Interaction Chromatography and Two-Dimensional Liquid Chromatography. <i>Analytical Chemistry</i> , 2018, 90, 7626-7634.	3.2	14
43	Combination of preparative and two-dimensional chromatographic fractionation with thermal analysis for the branching analysis of polyethylene. <i>Polymer Chemistry</i> , 2018, 9, 3142-3157.	1.9	22
44	Separation of hydrophobically modified hyaluronic acid according to the degree of substitution by gradient elution high performance liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4259-4273.	1.9	6
45	Core microstructure, morphology and chain arrangement of block copolymer self-assemblies as investigated by thermal field-flow fractionation. <i>Journal of Chromatography A</i> , 2018, 1562, 87-95.	1.8	8
46	Characterization of Complex Polymer Self-Assemblies and Large Aggregates by Multidetector Thermal Field-Flow Fractionation. <i>Analytical Chemistry</i> , 2017, 89, 7216-7224.	3.2	23
47	Characterisation of block copolymer self-assemblies by thermal field-flow fractionation. <i>Polymer International</i> , 2017, 66, 745-751.	1.6	12
48	Chemical composition separation of a propylene-ethylene random copolymer by high temperature solvent gradient interaction chromatography. <i>Journal of Chromatography A</i> , 2017, 1522, 23-29.	1.8	7
49	Fractionation of poly(methacrylic acid) and poly(vinyl pyridine) in aqueous and organic mobile phases by multidetector thermal field-flow fractionation. <i>Journal of Chromatography A</i> , 2017, 1512, 115-123.	1.8	6
50	Comprehensive analysis of branched polyethylene: the multiple preparative fractionation concept. <i>Polymer Chemistry</i> , 2017, 8, 4565-4575.	1.9	28
51	Exploring the Compositional Heterogeneity of Visco-Broken Impact Poly(propylene) Copolymers by Advanced Fractionation Methods. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 783-793.	1.1	7
52	Advanced analysis of polymer emulsions: Particle size and particle size distribution by field-flow fractionation and dynamic light scattering. <i>Journal of Chromatography A</i> , 2016, 1442, 94-106.	1.8	26
53	Field-flow fractionation: New and exciting perspectives in polymer analysis. <i>Progress in Polymer Science</i> , 2016, 63, 42-85.	11.8	61
54	Field Flow Fractionation for the Size, Molar Mass, and Gel Content Analysis of Emulsion Polymers for Water-Based Coatings. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2027-2040.	1.1	10

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55	Novel Polymer Clay-Based Nanocomposites: Films with Remarkable Optical and Water Vapor Barrier Properties. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 836-845.	1.7	12
56	Ethylene/heptene copolymers as interesting alternatives to octene-based LLDPE: Molecular structure and physical properties. <i>Journal of Polymer Science Part A</i> , 2016, 54, 962-975.	2.5	20
57	Multidetector Thermal Field-Flow Fractionation: A Unique Tool for Monitoring the Structure and Dynamics of Block Copolymer Micelles. <i>Macromolecules</i> , 2016, 49, 1882-1889.	2.2	15
58	Recent advances and trends in the liquid-chromatography-mass spectrometry analysis of flavonoids. <i>Journal of Chromatography A</i> , 2016, 1430, 16-78.	1.8	155
59	Advanced fractionation methods for the microstructure analysis of complex polymers. <i>Polymers for Advanced Technologies</i> , 2015, 26, 771-784.	1.6	22
60	On the Homogeneity of Metallocene Ethylene-Propylene Copolymers as Investigated by Multiple Fractionation Techniques. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1619-1628.	1.1	7
61	Fractionation of Poly(butyl methacrylate) by Molecular Topology Using Multidetector Thermal Field-Flow Fractionation. <i>Macromolecular Rapid Communications</i> , 2015, 36, 2143-2148.	2.0	10
62	Polymer Science Education - A (Southern) African Perspective. <i>Macromolecular Symposia</i> , 2015, 355, 96-103.	0.4	1
63	Comprehensive Microstructure and Molar Mass Analysis of Polybutadiene by Multidimensional Liquid Chromatography. <i>Macromolecular Rapid Communications</i> , 2015, 36, 2137-2142.	2.0	7
64	Multidetector-THF3 as a Novel Tool for the Investigation of Solution Properties of Amphiphilic Block Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1355-1364.	1.1	4
65	Synthesis and Characterization of Four-Arm Star Polystyrene Based on a Novel Tetrafunctional RAFT Agent. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1562-1572.	1.1	10
66	Tacticity Separation of Poly(methyl methacrylate) by Multidetector Thermal Field-Flow Fractionation. <i>Analytical Chemistry</i> , 2015, 87, 3011-3018.	3.2	26
67	Molecular heterogeneity of ethylene-propylene rubbers: New insights through advanced crystallization-based and chromatographic techniques. <i>Journal of Polymer Science Part A</i> , 2015, 53, 863-874.	2.5	25
68	A simple route to deuterated polystyrene block copolymers by reverse iodine transfer polymerisation. <i>Polymer Chemistry</i> , 2015, 6, 3236-3244.	1.9	6
69	Onflow liquid chromatography at critical conditions coupled to 1H and 2H nuclear magnetic resonance as powerful tools for the separation of poly(methylmethacrylate) according to isotopic composition. <i>Journal of Chromatography A</i> , 2015, 1387, 69-74.	1.8	7
70	High temperature size exclusion-liquid adsorption chromatography (HT-SEC-LAC): Full isocratic separation of parent isotactic polypropylene homopolymer from ethylene-propylene copolymers. <i>Polymer</i> , 2015, 64, 1-7.	1.8	8
71	On the multimodality of preparative TREF fractionation as detected by advanced analytical methods. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6493-6503.	1.9	15
72	Advanced analytical methods for the structure elucidation of polystyrene- <i>b</i> -poly(<i>n</i> -butyl acrylate) block copolymers prepared by reverse iodine transfer polymerisation. <i>Analytica Chimica Acta</i> , 2015, 892, 183-194.	2.6	4

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73	Multidetector thermal field-flow fractionation as a unique tool for the tacticity-based separation of poly(methyl methacrylate)-polystyrene block copolymer micelles. <i>Journal of Chromatography A</i> , 2015, 1414, 163-172.	1.8	14
74	Multidetector Thermal Field-Flow Fractionation as a Novel Tool for the Microstructure Separation of Polyisoprene and Polybutadiene. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1846-1851.	2.0	20
75	Advanced Separation Techniques for Polyolefins. Springer Laboratory, 2014, . .	0.2	25
76	HPLC- ¹ H-NMR Characterization of Polystyrene- <i>i</i> -block-Polyisoprene Copolymers: LCCC- ¹ H-NMR Using a Single Mobile Phase. <i>Macromolecular Symposia</i> , 2014, 337, 44-50.	0.4	7
77	Novel developments in the multidimensional characterization of segmented copolymers. <i>Progress in Polymer Science</i> , 2014, 39, 87-123.	11.8	50
78	Analysis of complex phthalic acid based polyesters by the combination of size exclusion chromatography and matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2014, 808, 94-103.	2.6	13
79	Combined size exclusion chromatography, supercritical fluid chromatography and electrospray ionization mass spectrometry for the analysis of complex aliphatic polyesters. <i>Journal of Chromatography A</i> , 2014, 1330, 74-81.	1.8	11
80	Analysis of complex polymers by multidetector field-flow fractionation. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1585-1596.	1.9	19
81	Fractionation and Characterization of Impact Poly(propylene) Copolymers by High Temperature Two-Dimensional Liquid Chromatography. <i>Macromolecular Symposia</i> , 2014, 337, 51-57.	0.4	9
82	Online LC-NMR – From an expensive toy to a powerful tool in polymer analysis. <i>Progress in Polymer Science</i> , 2014, 39, 979-1016.	11.8	43
83	Surface-Initiated RAFT Polymerization of Clay Nanoparticles with Polystyrene: New Insights Using MALDI-TOF MS and ¹ H NMR. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 791-801.	1.1	8
84	Defining the distribution of ethylene-propylene copolymer phases in heterophasic ethylene-propylene copolymers by a sequential xylene extraction method: Chemical and morphological analysis. <i>Polymer</i> , 2014, 55, 5358-5369.	1.8	8
85	Preparative solution crystallization fractionation: a simple and rapid fractionation method for the chemical composition separation of complex ethylene-propylene copolymers. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2999-3007.	1.9	9
86	Microstructure elucidation of polyflavonoid tannins by MALDI-TOF-CID. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1937-1950.	1.3	15
87	MALDI-TOF-CID for the microstructure elucidation of polymeric hydrolysable tannins. <i>Journal of Applied Polymer Science</i> , 2013, 128, 97-107.	1.3	47
88	Improved chemical composition separation of ethylene-propylene random copolymers by high-temperature solvent gradient interaction chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8607-8614.	1.9	23
89	Combination of TREF, high-temperature HPLC, FTIR and HPer DSC for the comprehensive analysis of complex polypropylene copolymers. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8995-9007.	1.9	32
90	MALDI-TOF study of oligomers distribution in spray-dried glyoxalated lignin for wood adhesives. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 586-597.	1.4	14

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91	Hyphenated separation techniques for complex polymers. <i>Polymer Chemistry</i> , 2013, 4, 2628.	1.9	46
92	Highly Filled Polystyrene/Laponite Hybrid Nanoparticles Prepared Using the Adâ€miniulsion Polymerisation Technique. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 62-75.	1.1	15
93	Comprehensive high temperature two-dimensional liquid chromatography combined with high temperature gradient chromatography-infrared spectroscopy for the analysis of impact polypropylene copolymers. <i>Journal of Chromatography A</i> , 2013, 1286, 69-82.	1.8	42
94	Characterization of two maritime pine tannins as wood adhesives. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 2462-2479.	1.4	25
95	Online ThFFFâ€NMR: A Novel Tool for Molar Mass and Chemical Composition Analysis of Complex Macromolecules. <i>Macromolecules</i> , 2013, 46, 2544-2552.	2.2	20
96	Solution Crystallization and Dissolution of Polyolefins as Monitored by a Unique Analytical Tool: Solution Crystallization Analysis by Laser Light Scattering. <i>Analytical Chemistry</i> , 2013, 85, 7019-7023.	3.2	24
97	Multidimensional HPLC of Polymers. <i>Springer Laboratory</i> , 2013, , .	0.2	68
98	Chemical Composition Separation of EP Copolymers by CEF and HTâ€SGIC: Crystallization versus Adsorption. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2165-2171.	1.1	19
99	Comprehensive Triblock Copolymer Analysis by Coupled Thermal Fieldâ€Flow Fractionationâ€NMR. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1098-1103.	2.0	16
100	Preparative <sc>TREF</sc> â€<sc>HT</sc>â€<sc>HPLC</sc> â€<sc>HP</sc>er <sc>DSC</sc>: Linking Molecular Characteristics and Thermal Properties of an Impact Poly(propylene) Copolymer. <i>Macromolecular Symposia</i> , 2013, 330, 22-29.	0.4	12
101	Phenolic resin adhesives based on chestnut (<i>Castanea sativa</i>) hydrolysable tannins. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 2103-2111.	1.4	38
102	Oligomers distribution at the gel point of tanninâ€formaldehyde thermosetting adhesives for wood panels. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 2094-2102.	1.4	5
103	Matrix-Assisted Laser Desorption Ionization Mass Spectrometry of Synthetic Polymers. <i>Macromolecular Symposia</i> , 2012, 313-314, 157-161.	0.4	17
104	The Combination of Liquid Chromatography and Mass Spectrometry Techniques for the Characterization of Aliphatic Polyesters. <i>Macromolecular Symposia</i> , 2012, 313-314, 170-181.	0.4	0
105	Characterization of Polystyreneâ€i>block</i>â€Polyethylene Oxide Diblock Copolymers and Blends of Homopolymers by Liquid Chromatography at Critical Conditions (LCCC). <i>Macromolecular Symposia</i> , 2012, 313-314, 162-169.	0.4	5
106	Surfaceâ€Initiated Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization of Styrene from Laponite Clay Surfaces. <i>Macromolecular Symposia</i> , 2012, 313-314, 135-145.	0.4	5
107	Low Formaldehyde Emitting Biobased Wood Adhesives Manufactured from Mixtures of Tannin and Glyoxylated Lignin. <i>Journal of Adhesion Science and Technology</i> , 2012, 26, 1667-1684.	1.4	52
108	Oligomer Distribution at the Gel Point of Tannin-resorcinol-formaldehyde Cold-Set Wood Adhesives. <i>Journal of Adhesion Science and Technology</i> , 2012, 26, 79-88.	1.4	8

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109	Multidimensional Analysis of the Complex Composition of Impact Polypropylene Copolymers: Combination of TREF, SEC-FTIR-HPer DSC, and High Temperature 2D-LC. <i>Macromolecules</i> , 2012, 45, 2025-2034.	2.2	85
110	Recent Advances in High-Temperature Fractionation of Polyolefins. <i>Advances in Polymer Science</i> , 2012, , 77-140.	0.4	62
111	NMR Studies on the Mechanism of Reverse Iodine Transfer Polymerization of Styrene. <i>Macromolecules</i> , 2012, 45, 2995-3003.	2.2	32
112	Compositional Analysis of an Impact Polypropylene Copolymer by Fast Scanning DSC and FTIR of TREF-SEC Cross-Fractions. <i>Macromolecules</i> , 2012, 45, 5866-5880.	2.2	57
113	Multidimensional Analytical Techniques for Studying the Thermo-oxidative Degradation of Impact Poly(propylene). <i>Macromolecular Symposia</i> , 2012, 312, 174-190.	0.4	9
114	Analysis of Fatty Alcohol Ethoxylates Regarding Chain Length and Endgroups by MALDI-TOF MS Using Collision-Induced Dissociation. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 747-756.	1.1	1
115	MALDI-TOF MS Analysis of the Grafting of Clay Nanoparticles with Poly(butyl acrylate). <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 847-857.	1.1	9
116	Molar Mass and Microstructure Analysis of PI- <i>b</i> -PMMA Copolymers by SEC-NMR. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 401-410.	1.1	24
117	Using Crystallisation Fractionation to Monitor Thermo-oxidative Degradation of Impact Poly(propylene) Copolymers. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 26-38.	1.7	8
118	Visualization of Thermo-oxidative Degradation of Polyolefins in Solution Using HT-SEC and HT-AFMALS. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 401-410.	1.1	8
119	Characterization of Polydimethylsiloxane- <i>b</i> -polystyrene (PDMS- <i>b</i> -PS) Copolymers by Liquid Chromatography at Critical Conditions. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 1221-1228.	1.1	25
120	Spatial Heterogeneity of Thermo-oxidative Degradation in Impact Poly(propylene) Copolymers. <i>Macromolecular Materials and Engineering</i> , 2011, 296, 1018-1027.	1.7	5
121	Characterization of branched ultrahigh molar mass polymers by asymmetrical flow field-flow fractionation and size exclusion chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 4257-4267.	1.8	57
122	Study of the abnormal late co-elution phenomenon of low density polyethylene in size exclusion chromatography using high temperature size exclusion chromatography and high temperature asymmetrical flow field-flow fractionation. <i>Journal of Chromatography A</i> , 2011, 1218, 4240-4248.	1.8	24
123	Method development for epoxy resin analysis. <i>Microsystem Technologies</i> , 2010, 16, 1347-1351.	1.2	7
124	Fractionation and Analysis of an Impact Poly(propylene) Copolymer by TREF and SEC-FTIR. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 366-373.	1.7	51
125	Wood Panel Adhesives from Low Molecular Mass Lignin and Tannin without Synthetic Resins. <i>Journal of Adhesion Science and Technology</i> , 2010, 24, 1597-1610.	1.4	61
126	Coupling of NMR and Liquid Chromatography at Critical Conditions: A New Tool for the Block Length and Microstructure Analysis of Block Copolymers. <i>Macromolecules</i> , 2010, 43, 4853-4863.	2.2	43

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127	Automated Monitoring of the Establishment of the Adsorption Equilibrium: Adsorption of Polyethylene from 1,2,4-Trichlorobenzene onto a Zeolite at Temperature C. Journal of Automated Methods and Management in Chemistry, 2009, 2009, 1-6.	0.5	3
128	High Temperature Interaction Chromatography of Olefin Copolymers. Macromolecular Symposia, 2009, 282, 71-80.	0.4	30
129	Online HPLC-NMR of PS and PMMA and Blends of PS and PMMA, 2 • LCCC-NMR at Critical Conditions of PMMA. Macromolecular Chemistry and Physics, 2009, 210, 605-613.	1.1	30
130	Sequence Analysis of an Isocyanate Oligomer by MALDI-TOF Mass Spectrometry Using Collision Induced Dissociation. Macromolecular Chemistry and Physics, 2009, 210, 1957-1965.	1.1	17
131	Polymer structure of commercial hydrolyzable tannins by matrix-assisted laser desorption/ionization-time-of-flight mass spectrometry. Journal of Applied Polymer Science, 2009, 113, 3847-3859.	1.3	69
132	An overview on field-flow fractionation techniques and their applications in the separation and characterization of polymers. Progress in Polymer Science, 2009, 34, 351-368.	11.8	251
133	Liquid Chromatographic Separation of Olefin Oligomers and its Relation to Separation of Polyolefins – an Overview. Macromolecular Symposia, 2009, 282, 93-100.	0.4	32
134	Separation of Linear Polyethylene from Isotactic, Atactic, and Syndiotactic Polypropylene by High-Temperature Adsorption Liquid Chromatography. Macromolecules, 2009, 42, 6063-6067.	2.2	135
135	Capillary Electrophoretic Analysis of Synthetic Copolymers with Indirect UV Detection and Contactless Conductivity Detection. International Journal of Polymer Analysis and Characterization, 2009, 14, 196-209.	0.9	2
136	Analysing the Chemical Composition Distribution of Ethylene-Acrylate Copolymers: Comparison of HT-HPLC, CRYSTAF and TREF. Macromolecular Chemistry and Physics, 2008, 209, 1909-1919.	1.1	40
137	Two-Dimensional Chromatography of Complex Polymers, 7 – Detailed Study of Polystyrene-block-Polyisoprene Diblock Copolymers Prepared by Sequential Anionic Polymerization and Coupling Chemistry. Macromolecular Chemistry and Physics, 2008, 209, 2026-2039.	1.1	32
138	Two-dimensional chromatography of complex polymers. Journal of Chromatography A, 2008, 1203, 207-216.	1.8	53
139	High-temperature gradient HPLC and LC-NMR for the analysis of complex polyolefins. Pure and Applied Chemistry, 2008, 80, 1747-1762.	0.9	20
140	Separation of Ethylene-Vinyl Acetate Copolymers by High-Temperature Gradient Liquid Chromatography. Macromolecules, 2007, 40, 5545-5551.	2.2	59
141	Separation and Characterization of Ethylene-Propylene Copolymers by High-Temperature Gradient HPLC Coupled to FTIR Spectroscopy. Macromolecular Symposia, 2007, 257, 46-55.	0.4	40
142	Onset of the Chromatographic Mode Transition from Hydrodynamic Chromatography to Slalom Chromatography: An Effect of Polymer Stretching. Macromolecules, 2006, 39, 2004-2006.	2.2	26
143	Selective removal of polyethylene or polypropylene from their blends based on difference in their adsorption behaviour. Journal of Chromatography A, 2006, 1115, 81-87.	1.8	31
144	Adsorption of Linear Polyethylene and Isotactic Polypropylene from 1,1,2,2-Tetrachloroethane and 1,2,3-Trichloropropane on to Polar Adsorbents. Chromatographia, 2006, 64, 183-190.	0.7	11

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