

Harald Pasch

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166
papers

3,254
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168
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3,510
ext. citations

4.3
avg, IF

5.79
L-index

#	Paper	IF	Citations
166	An overview on field-flow fractionation techniques and their applications in the separation and characterization of polymers. <i>Progress in Polymer Science</i> , 2009 , 34, 351-368	29.6	219
165	Recent advances and trends in the liquid-chromatography-mass spectrometry analysis of flavonoids. <i>Journal of Chromatography A</i> , 2016 , 1430, 16-78	4.5	121
164	Separation of Linear Polyethylene from Isotactic, Atactic, and Syndiotactic Polypropylene by High-Temperature Adsorption Liquid Chromatography. <i>Macromolecules</i> , 2009 , 42, 6063-6067	5.5	116
163	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	5.5	76
162	Considerations on the macromolecular structure of chestnut ellagitannins by matrix-assisted laser desorption/ionization-time-of-flight mass spectrometry. <i>Journal of Applied Polymer Science</i> , 2002 , 85, 429-437	2.9	68
161	Polymer structure of commercial hydrolyzable tannins by matrix-assisted laser desorption/ionization-time-of-flight mass spectrometry. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 3847-3859	2.9	55
160	Field-flow fractionation: New and exciting perspectives in polymer analysis. <i>Progress in Polymer Science</i> , 2016 , 63, 42-85	29.6	54
159	On-line coupling of high temperature GPC and ¹ H NMR for the analysis of polymers. <i>Journal of Magnetic Resonance</i> , 2006 , 183, 290-302	3	53
158	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	5.5	51
157	Separation of Ethylene/Vinyl Acetate Copolymers by High-Temperature Gradient Liquid Chromatography. <i>Macromolecules</i> , 2007 , 40, 5545-5551	5.5	50
156	Two-dimensional chromatography of complex polymers 6. Method development for (meth)acrylate-based copolymers. <i>Journal of Chromatography A</i> , 2008 , 1203, 207-16	4.5	50
155	Recent Advances in High-Temperature Fractionation of Polyolefins. <i>Advances in Polymer Science</i> , 2012 , 77-140	1.3	49
154	Multidimensional HPLC of Polymers. <i>Springer Laboratory</i> , 2013 ,	1.7	49
153	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	2	49
152	High-temperature gradient HPLC for the separation of polyethylene/polypropylene blends. <i>Polymer</i> , 2005 , 46, 12040-12045	3.9	49
151	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, 4257-67	4.5	48
150	Fractionation and Analysis of an Impact Poly(propylene) Copolymer by TREF and SEC-FTIR. <i>Macromolecular Materials and Engineering</i> , 2010 , 295, 366-373	3.9	47

149	New Developments in Multidimensional Chromatography of Complex Polymers. <i>Macromolecular Rapid Communications</i> , 2005 , 26, 438-444	4.8	47
148	Investigation of the Melting and Crystallization Behavior of Random Propene/Ethylene Copolymers by DSC and CRYSTAF. <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 1281-1288	2.6	46
147	Coil-Stretch Transition of High Molar Mass Polymers in Packed-Column Hydrodynamic Chromatography. <i>Macromolecules</i> , 2005 , 38, 7476-7484	5.5	43
146	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	2	42
145	Hyphenated separation techniques for complex polymers. <i>Polymer Chemistry</i> , 2013 , 4, 2628	4.9	40
144	The copolymerization of propylene with higher, linear Ethylenes. <i>Journal of Polymer Science Part A</i> , 2000 , 38, 4110-4118	2.5	40
143	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	5.5	38
142	Adsorption of polyethylene standards from decalin on liquid chromatography column packings. <i>Journal of Chromatography A</i> , 2003 , 1002, 55-62	4.5	38
141	Comprehensive Three-Dimensional LC Ion Mobility Spectrometry Separation Combined with High-Resolution MS for the Analysis of Complex Samples. <i>Analytical Chemistry</i> , 2018 , 90, 11643-11650	7.8	38
140	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	4.5	37
139	Analysing the Chemical Composition Distribution of Ethylene-Acrylate Copolymers: Comparison of HT-HPLC, CRYSTAF and TREF. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 1909-1919	2.6	37
138	Novel developments in the multidimensional characterization of segmented copolymers. <i>Progress in Polymer Science</i> , 2014 , 39, 87-123	29.6	36
137	Separation and Characterization of Ethylene-Propylene Copolymers by High-Temperature Gradient HPLC Coupled to FTIR Spectroscopy. <i>Macromolecular Symposia</i> , 2007 , 257, 46-55	0.8	35
136	Elution behavior of polyethylene in polar mobile phases on a non-polar sorbent. <i>Journal of Chromatography A</i> , 2003 , 988, 69-76	4.5	35
135	Phenolic resin adhesives based on chestnut (<i>Castanea sativa</i>) hydrolysable tannins. <i>Journal of Adhesion Science and Technology</i> , 2013 , 27, 2103-2111	2	33
134	Living random and block copolymerization of ethene and propene on a tailor-made phenoxyimine catalyst and characterization of the resulting high molecular weight PE-block-P(E-co-P) block copolymers. <i>Polymer</i> , 2006 , 47, 4505-4512	3.9	33
133	MALDI-TOF-CID for the microstructure elucidation of polymeric hydrolysable tannins. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 97-107	2.9	32
132	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	4.4	30

131	Online LC-NMR [From an expensive toy to a powerful tool in polymer analysis. <i>Progress in Polymer Science</i> , 2014 , 39, 979-1016	29.6	29
130	Two-Dimensional Chromatography of Complex Polymers, 7 [Detailed Study of Polystyrene-block-Polyisoprene Diblock Copolymers Prepared by Sequential Anionic Polymerization and Coupling Chemistry. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 2026-2039	2.6	29
129	High-Temperature Liquid Chromatography at Critical Conditions: Separation of Polystyrene from Blends with Polyethylene and Ethylene-Styrene Block Copolymers. <i>International Journal of Polymer Analysis and Characterization</i> , 2006 , 11, 47-55	1.7	28
128	Selective removal of polyethylene or polypropylene from their blends based on difference in their adsorption behaviour. <i>Journal of Chromatography A</i> , 2006 , 1115, 81-7	4.5	28
127	NMR Studies on the Mechanism of Reverse Iodine Transfer Polymerization of Styrene. <i>Macromolecules</i> , 2012 , 45, 2995-3003	5.5	27
126	Online HPLC-NMR of PS-b-PMMA and Blends of PS and PMMA, 2 - LCCC-NMR at Critical Conditions of PMMA. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 605-613	2.6	27
125	High Temperature Interaction Chromatography of Olefin Copolymers. <i>Macromolecular Symposia</i> , 2009 , 282, 71-80	0.8	26
124	Adsorption of polyethylene from thermodynamically good solvents on a zeolite stationary phase. <i>Journal of Separation Science</i> , 2003 , 26, 1569-1574	3.4	26
123	Monitoring the grafting of epoxidized natural rubber by size-exclusion chromatography coupled to FTIR spectroscopy. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 2539-2549	2.9	26
122	Liquid Chromatographic Separation of Olefin Oligomers and its Relation to Separation of Polyolefins [An Overview. <i>Macromolecular Symposia</i> , 2009 , 282, 93-100	0.8	25
121	Use of gradient, critical, and two-dimensional chromatography in the analysis of styrene- and methyl methacrylate-grafted epoxidized natural rubber. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 2530-2538	2.9	25
120	Tacticity separation of poly(methyl methacrylate) by multidetector thermal field-flow fractionation. <i>Analytical Chemistry</i> , 2015 , 87, 3011-8	7.8	23
119	Characterization of two maritime pine tannins as wood adhesives. <i>Journal of Adhesion Science and Technology</i> , 2013 , 27, 2462-2479	2	22
118	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, 7019-23	7.8	22
117	Characterization of Polydimethylsiloxane-block-polystyrene (PDMS-b-PS) Copolymers by Liquid Chromatography at Critical Conditions. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 1221-1228	2.6	22
116	Onset of the Chromatographic Mode Transition from Hydrodynamic Chromatography to Slalom Chromatography: [An Effect of Polymer Stretching. <i>Macromolecules</i> , 2006 , 39, 2004-2006	5.5	22
115	Adsorption of polypropylene from dilute solutions on a zeolite column packing. <i>Journal of Separation Science</i> , 2005 , 28, 59-64	3.4	22
114	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, 4240-8	4.5	21

113	Characterization of Complex Polymer Self-Assemblies and Large Aggregates by Multidetector Thermal Field-Flow Fractionation. <i>Analytical Chemistry</i> , 2017 , 89, 7216-7224	7.8	20
112	Molar Mass and Microstructure Analysis of PI-b-PMMA Copolymers by SEC-NMR. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 401-410	2.6	20
111	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	20
110	Multidetector thermal field-flow fractionation as a novel tool for the microstructure separation of polyisoprene and polybutadiene. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 1846-51	4.8	20
109	Comprehensive analysis of branched polyethylene: the multiple preparative fractionation concept. <i>Polymer Chemistry</i> , 2017 , 8, 4565-4575	4.9	19
108	Online ThFFF-NMR: A Novel Tool for Molar Mass and Chemical Composition Analysis of Complex Macromolecules. <i>Macromolecules</i> , 2013 , 46, 2544-2552	5.5	19
107	High-temperature gradient HPLC and LC-NMR for the analysis of complex polyolefins. <i>Pure and Applied Chemistry</i> , 2008 , 80, 1747-1762	2.1	19
106	Analysis of polyolefin blends by CRYSTAF. <i>Macromolecular Symposia</i> , 2002 , 178, 81-92	0.8	19
105	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	4.5	19
104	Ethylene/1-heptene copolymers as interesting alternatives to 1-octene-based LLDPE: Molecular structure and physical properties. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 962-975	2.5	18
103	Analysis of complex polymers by multidetector field-flow fractionation. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 1585-96	4.4	18
102	Chemical Composition Separation of EP Copolymers by CEF and HT-SGIC: Crystallization versus Adsorption. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 2165-2171	2.6	18
101	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	4.9	18
100	Improved chemical composition separation of ethylene-propylene random copolymers by high-temperature solvent gradient interaction chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 8607-14	4.4	17
99	Advanced fractionation methods for the microstructure analysis of complex polymers. <i>Polymers for Advanced Technologies</i> , 2015 , 26, 771-784	3.2	17
98	Adsorption of Polypropylene and Polyethylene on Liquid Chromatographic Column Packings. <i>Chromatographia</i> , 2004 , 59, 461	2.1	17
97	Branching and molar mass analysis of low density polyethylene using the multiple preparative fractionation concept. <i>Polymer Chemistry</i> , 2018 , 9, 1116-1131	4.9	15
96	Highly Filled Polystyrene/Laponite Hybrid Nanoparticles Prepared Using the Ad-mini-emulsion Polymerisation Technique. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 62-75	2.6	15

95	Comprehensive triblock copolymer analysis by coupled thermal field-flow fractionation-NMR. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 1098-103	4.8	15
94	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, 163-72	4.5	14
93	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	5.5	14
92	Sequence Analysis of an Isocyanate Oligomer by MALDI-TOF Mass Spectrometry Using Collision Induced Dissociation. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 1957-1965	2.6	14
91	Matrix-Assisted Laser Desorption Ionization Mass Spectrometry of Synthetic Polymers. <i>Macromolecular Symposia</i> , 2012 , 313-314, 157-161	0.8	14
90	The use of selected acrylate and acrylamide-based surfmers and polysoaps in the emulsion polymerization of styrene. <i>Macromolecular Symposia</i> , 2003 , 193, 251-260	0.8	13
89	On the multimodality of preparative TREF fractionation as detected by advanced analytical methods. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 6493-503	4.4	12
88	Chemical Composition Fractionation of Olefin Plastomers/Elastomers by Solvent and Thermal Gradient Interaction Chromatography. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1700703	4.8	12
87	Microstructure elucidation of polyflavonoid tannins by MALDI-TOF-CID. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 1937-1950	2.9	12
86	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	2.6	12
85	Comprehensive analysis of novel grafted polyethylenes using multidimensional fractionation methods. <i>Polymer Chemistry</i> , 2018 , 9, 5051-5065	4.9	12
84	Characterisation of block copolymer self-assemblies by thermal field-flow fractionation. <i>Polymer International</i> , 2017 , 66, 745-751	3.3	11
83	Thermal Field-Flow Fractionation with Quintuple Detection for the Comprehensive Analysis of Complex Polymers. <i>Analytical Chemistry</i> , 2019 , 91, 6926-6933	7.8	11
82	Unraveling Multiple Distributions in Chain Walking Polyethylene Using Advanced Liquid Chromatography. <i>Macromolecules</i> , 2020 , 53, 3765-3777	5.5	11
81	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	6.6	11
80	Preparative TREF - HT-HPLC - HPer DSC: Linking Molecular Characteristics and Thermal Properties of an Impact Poly(propylene) Copolymer. <i>Macromolecular Symposia</i> , 2013 , 330, 22-29	0.8	11
79	Adsorption of Linear Polyethylene and Isotactic Polypropylene from 1,1,2,2-Tetrachloroethane and 1,2,3-Trichloropropane on to Polar Adsorbents. <i>Chromatographia</i> , 2006 , 64, 183-190	2.1	11
78	Comprehensive branching analysis of polyethylene by combined fractionation and thermal analysis. <i>Polymer International</i> , 2019 , 68, 206-217	3.3	11

77	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	6.6	10
76	Novel Polymer Clay-Based Nanocomposites: Films with Remarkable Optical and Water Vapor Barrier Properties. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 836-845	3.9	10
75	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	2	10
74	Fractionation of Poly(butyl methacrylate) by Molecular Topology Using Multidetector Thermal Field-Flow Fractionation. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 2143-8	4.8	10
73	Advanced Separation Techniques for Polyolefins. <i>Springer Laboratory</i> , 2014 ,	1.7	10
72	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	4.5	10
71	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	4.5	10
70	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	7.8	10
69	A multidimensional fractionation protocol for the oligomer analysis of oxidized waxes. <i>Analytica Chimica Acta</i> , 2018 , 1027, 137-148	6.6	9
68	Fractionation and Characterization of Impact Poly(propylene) Copolymers by High Temperature Two-Dimensional Liquid Chromatography. <i>Macromolecular Symposia</i> , 2014 , 337, 51-57	0.8	9
67	Selectivity of Thermal Analysis in the Branching Analysis of Low Density Polyethylene. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 2000095	2.6	8
66	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	2.6	8
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	2.6	8
64	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	2	8
63	Multidimensional Analytical Techniques for Studying the Thermo-Oxidative Degradation of Impact Poly(propylene). <i>Macromolecular Symposia</i> , 2012 , 312, 174-190	0.8	8
62	MALDI-TOF MS Analysis of the Grafting of Clay Nanoparticles with Poly(butyl acrylate). <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 847-857	2.6	8
61	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	2.6	8
60	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	4.5	8

59	High temperature size exclusion liquid adsorption chromatography (HT-SEC \square AC): Full isocratic separation of parent isotactic polypropylene homopolymer from ethylene-propylene copolymers. <i>Polymer</i> , 2015 , 64, 1-7	3.9	7
58	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	4.5	7
57	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	4.4	7
56	Using Crystallisation Fractionation to Monitor Thermo-Oxidative Degradation of Impact Poly(propylene) Copolymers. <i>Macromolecular Materials and Engineering</i> , 2012 , 297, 26-38	3.9	7
55	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	6.6	7
54	Advanced Liquid Chromatography of Polyolefins Using Simultaneous Solvent and Temperature Gradients. <i>Analytical Chemistry</i> , 2020 , 92, 7325-7333	7.8	7
53	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	4.5	6
52	Bivariate molecular structure distribution of randomly branched polyethylene by orthogonal preparative fractionation. <i>Polymer Chemistry</i> , 2019 , 10, 2484-2494	4.9	6
51	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	4.5	6
50	Method development for epoxy resin analysis. <i>Microsystem Technologies</i> , 2010 , 16, 1347-1351	1.7	6
49	Stereocomplexation of Polymers in Micelle Nanoreactors As Studied by Multiple Detection Thermal Field-Flow Fractionation. <i>Analytical Chemistry</i> , 2018 , 90, 13987-13995	7.8	6
48	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	4.4	5
47	Comprehensive two-dimensional liquid chromatography for the characterization of acrylate-modified hyaluronic acid. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 3321-3330	4.4	5
46	Thermal Field-Flow Fractionation of Polymers. <i>Springer Laboratory</i> , 2019 ,	1.7	5
45	A simple route to deuterated polystyrene block copolymers by reverse iodine transfer polymerisation. <i>Polymer Chemistry</i> , 2015 , 6, 3236-3244	4.9	5
44	Onflow liquid chromatography at critical conditions coupled to (1)H and (2)H 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	4.5	5
43	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	3.9	5
42	On the Homogeneity of Metallocene EthylenePropylene Copolymers as Investigated by Multiple Fractionation Techniques. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 1619-1628	2.6	5

41	Comprehensive Microstructure and Molar Mass Analysis of Polybutadiene by Multidimensional Liquid Chromatography. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 2137-42	4.8	5
40	HPLC-1H-NMR Characterization of Polystyrene-block-Polyisoprene Copolymers: LCCC-1H-NMR Using a Single Mobile Phase. <i>Macromolecular Symposia</i> , 2014 , 337, 44-50	0.8	5
39	Visualization of Thermo-Oxidative Degradation of Polyolefins in Solution Using HT-SEC and HT-AF4-MALS. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 401-410	2.6	5
38	Spatial Heterogeneity of Thermo-Oxidative Degradation in Impact Poly(propylene) Copolymers. <i>Macromolecular Materials and Engineering</i> , 2011 , 296, 1018-1027	3.9	5
37	Comprehensive Analysis of Polyethylene Graft Copolymers by Preparative Fractionation, Interaction Chromatography, and Thermal Analysis. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 5864-5877	4.3	5
36	Exploring the Compositional Heterogeneity of Vis-Broken Impact Poly(propylene) Copolymers by Advanced Fractionation Methods. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 783-793	2.6	5
35	Comprehensive branching analysis of star-shaped polystyrenes using a liquid chromatography-based approach. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 5063-5078	4.4	4
34	Advanced analytical methods for the structure elucidation of polystyrene-b-poly(n-butyl acrylate) block copolymers prepared by reverse iodine transfer polymerisation. <i>Analytica Chimica Acta</i> , 2015 , 892, 183-94	6.6	4
33	Chromatographic mode transition from size exclusion to slalom chromatography as observed for chitosan. <i>Carbohydrate Polymers</i> , 2020 , 235, 115950	10.3	4
32	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	4.5	4
31	Oligomers distribution at the gel point of tannin-formaldehyde thermosetting adhesives for wood panels. <i>Journal of Adhesion Science and Technology</i> , 2013 , 27, 2094-2102	2	4
30	Characterization of Polystyrene-block-Polyethylene Oxide Diblock Copolymers and Blends of Homopolymers by Liquid Chromatography at Critical Conditions (LCCC). <i>Macromolecular Symposia</i> , 2012 , 313-314, 162-169	0.8	4
29	Surface-Initiated Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization of Styrene from Laponite Clay Surfaces. <i>Macromolecular Symposia</i> , 2012 , 313-314, 135-145	0.8	4
28	Deformulation of commercial linear low-density polyethylene resins by advanced fractionation and analysis. <i>Polymer International</i> , 2020 , 69, 291-300	3.3	4
27	Multidimensional chromatographic analysis of carboxylic acid-functionalized polyethylene. <i>Polymer Chemistry</i> , 2019 , 10, 5859-5869	4.9	4
26	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	4.4	4
25	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	2.6	3
24	Automated Monitoring of the Establishment of the Adsorption Equilibrium: Adsorption of Polyethylene from 1,2,4-Trichlorobenzene onto a Zeolite at Temperature 140 degrees C. <i>Journal of Automated Methods and Management in Chemistry</i> , 2009 , 2009, 357026		3

23	Monitoring the chemical heterogeneity of metallocenecatalysed copolymers of ethylene and higher 1-olefins using CRYSTAF and SEC-FTIR. <i>E-Polymers</i> , 2003 , 3,	2.7	3
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