

11 Literaturverzeichnis

- [1] W. W. Yau, J. J. Kirkland, D. D. Bly
Modern Size Exclusion Chromatography, Wiley, New York, (1979)
- [2] S. Mori, H. G. Barth
Size Exclusion Chromatography, Springer Verlag, Berlin, (1999)
- [3] J. C. Giddings
Sep. Sci. 1, 123, (1966)
- [4] J. C. Giddings
J. Chromatogr. 125, 3, (1976)
- [5] J. C. Giddings, Y. H. Yoon, M. N. Myers
Anal. Chem. 47, 126, (1975)
- [6] J. J. Gunderson, J. C. Giddings
Anal. Chim. Acta 189, 1, (1986)
- [7] H. G. Barth, B. E. Boyes, C. Jackson
Anal. Chem. 70, 251 R, (1998)
- [8] G. Stegman, A. C. van Asten, J. C. Kraak, H. Poppe
Anal. Chem. 66, 1147, (1994)
- [9] J. C. Giddings
Anal. Chem. 53, 1170A, (1981)
- [10] J. C. Giddings
FFF: An Alternative to SEC in SEC, B. J. Hunt, S. R. Holding (eds.), Blackie and Son, Glasgow, p. 191, (1989)
- [11] J. J. Gunderson, J. C. Giddings
Macromolecules 19, 2618, (1986)
- [12] Y. S. Gao, K. D. Caldwell, M. N. Myers, J. C. Giddings
Macromolecules 18, 1272, (1985)
- [13] J. Janca, K. Kleparnik, V. Jahnová, J. Chmelík
J. Liq. Chrom. 7, 1, (1984)
- [14] J. C. Giddings
Unified Separation Science, Wiley, New York, (1991)
- [15] J. Janca
Chromatographic Science Series in *Field-Flow Fractionation*, Marcel Dekker, New York, Vol. 39, (1988)

- [16] J. C. Giddings
Science 260, 1456, (1993)
- [17] J. C. Giddings
Sep. Sci. Technol. 19, 831, (1984-1985)
- [18] J. C. Giddings, G. Karaiskakis, K. D. Caldwell, M. N. Myers
J. Colloid Interface Sci. 92, 66, (1983)
- [19] A. C. van Asten, G. Stegman, W. Th. Kok, R. Tijssen, H. Poppe
Anal. Chem. 66, 3073, (1994)
- [20] P. S. Williams
J. Micro. Sep. 9, 459, (1997)
- [21] J. J. Kirkland, C.H. Dilks Jr., S. W. Rementer, W. W. Yau
J. Chromatogr. 593, 339, (1992)
- [22] A. Litzén, K.-G. Wahlund
Anal. Chem. 63, 1001, (1991)
- [23] M. A. Benincasa, J. C. Giddings
Anal. Chem. 64, 790, (1992)
- [24] J. C. Giddings, M. A. Benincasa, M.-K. Liu, P. Li
J. Liq. Chrom. 15, 1729, (1992)
- [25] H. Thielking, W.-M. Kulicke
J. Micro. Sep. 10, 51, (1998)
- [26] M. Hassellöv, B. Lyvén, C. Haraldsson, W. Sirinawin
Anal. Chem. 71, 3497, (1999)
- [27] L. Dolog, T. Schauer
Prog. Org. Coatings 28, 25, (1996)
- [28] B. Wittgren, K.-G. Wahlund
J. Chromatogr. A 791, 135, (1997)
- [29] J. J. Kirkland, C. H. Dilks Jr.
Anal. Chem. 64, 2836, (1992)
- [30] S. L. Brimhall, M. N. Myers, K. D. Caldwell, J. C. Giddings
J. Polym. Sci. 22, 339, (1984)
- [31] J. E. G. J. Wijnhoven, M. R. van Bommel, H. Poppe, W. Th. Kok
Chromatographia 42, 409, (1996)

- [32] K. M. Millard
Techniques and Applications of Plasma Chemistry, J. R. Hollahan, A. T. Bell (eds.), Wiley, New York, p. 177, (1974)
- [33] A. T. Bell, M. Shen
Plasma Polymerization, ACS Symp. Ser. 108, 1, (1979)
- [34] H. Yasuda
J. Polym. Sci., Macromol. Rev. 16, 199, (1981)
- [35] W. H. Kegel
Plasmaphysik, Springer Verlag, Berlin, (1998)
- [36] F. Cap
Einführung in die Plasmaphysik - I. Theoretische Grundlagen, Vieweg Verlag, Braunschweig, (1975)
- [37] R. Wilken, A. Holländer, J. Behnisch
Surf. Coat. Technol. 116, 991, (1999)
- [38] J. Friedrich, H. Frommelt
Acta Chim. Hung. 125, 165, (1988)
- [39] St. Weidner, G. Kühn, D. Roessner, J. Friedrich, R. Decker
J. Polym. Sci., Polym. Chem. 36, 1639, (1998)
- [40] M. Shen
Plasma Chemistry of Polymers, Marcel Dekker, New York, (1979)
- [41] K. A. Andrianov
Organic Silicon Compounds, State Scientific Publishing House for Chemical Literature, Moscow, 1955
- [42] M. Ebelmen
Ann. Chim. Phys. 15, 319, (1845)
- [43] D. I. Mendeleyev
Khim. Zhur. Sok. I. Eng. 4, 65, (1860)
- [44] B. G. Belenkii, E. S. Gankina
J. Chromatogr., Chromatogr. Rev. 141, 13, (1977)
- [45] B. G. Belenkii
J. Chromatogr. 147, 99, (1978)
- [46] S. G. Entelis, V. V. Evreinov, A. V. Gorshkov
Adv. Polym. Sci. 76, 129, (1986)

- [47] A. M. Skvortsov, A. A. Gorbunov
J. Chromatogr. 358, 77, (1986)
- [48] H. Pasch
Adv. Polym. Sci. 28, 1, (1997)
- [49] K. D. Caldwell, L. F. Kesner, M. N. Myers, J. C. Giddings
Science 176, 296, (1972)
- [50] J. C. Giddings
J. Chromatogr. 480, 21, (1989)
- [51] J. J. Kirkland, C. H. Dilks, Jr., W. W. Yau
J. Chromatogr. 255, 255, (1983)
- [52] F. J. F. Yang, M. N. Myers, J. C. Giddings
Anal. Chem. 46, 1924, (1974)
- [53] B. N. Barman, J. C. Giddings
Langmuir 8, 51, (1992)
- [54] K. D. Caldwell
Anal. Chem. 60, 959A, (1988)
- [55] J. C. Giddings
C&E News 66, 34, (1988)
- [56] J. M. Davis
Anal. Chim. Acta 246, 161, (1991)
- [57] H. Thielking, U. Adolphi, W.-M. Kulicke
Nachr. Chem. Tech. Lab. 44, 370, (1996)
- [58] H. Thielking, D. Roessner, W.-M. Kulicke
Anal. Chem. 67, 3229, (1995)
- [59] J. C. Giddings, F. J. Yang, M. N. Myers
Anal. Chem. 48, 1126, (1976)
- [60] K. Jensen, S. Kim, R. Williams, J. C. Giddings
J. Chromatogr. A 746, 137, (1996)
- [61] J. J. Kirkland, C. H. Dilks Jr., S. W. Rementer
Anal. Chem. 64, 1295, (1992)
- [62] J. C. Giddings, F. J. Yang, M. N. Myers
Sep. Sci. 12, 381, (1977)
- [63] S. N. Semenov, A. A. Kuznetsov
Zh. Fiz. Khim. 60, 424, (1984)

- [64] T. C. Schunk, J. Gorse, M. F. Burke
Sep. Sci. Technol. 19, 653, (1984)
- [65] J. C. Giddings, S. L. Brantley
Sep. Sci. Technol. 19, 631, (1984)
- [66] P. S. Williams, T. Koch, J. C. Giddings
Chem. Eng. Commun. 111, 121, (1992)
- [67] K. Chen, K.-G. Wahlund, J. C. Giddings
Anal. Chem. 60, 362, (1988)
- [68] M. N. Myers, J. C. Giddings
Anal. Chem. 54, 2284, (1982)
- [69] S. K. Ratanathanawongs, J. C. Giddings
Polym. Mater. Sci. Eng. 65, 24, (1991)
- [70] J. C. Giddings, X. Chen, K.-G. Wahlund, M. N. Myers
Anal. Chem. 59, 1957, (1987)
- [71] J. C. Giddings
Sep. Sci. Technol. 18, 765, (1983)
- [72] R. J. White
Polymer Int. 43, 373, (1997)
- [73] P. M. Shiundu, E. Remsen, J. C. Giddings
J. Appl. Polym. Sci. 60, 1695, (1996)
- [74] M. Antonietti, A. Briel, C. Tank
Acta Polymer 46, 254, (1995)
- [75] W. S. Fulton, S. A. Groves
J. nat. Rubb. Res. 12, 154, (1997)
- [76] S. Lee
J. Micro. Sep. 9, 281, (1997)
- [77] J. C. Giddings, M. A. Benincasa, M.-K. Liu, P. Li
Polym. Mater. Sci. Eng. 65, 21, (1991)
- [78] M. A. Benincasa, J. C. Giddings
Anal. Chem. 64, 790, (1992)
- [79] S. J. Jeon, M. E. Schimpf, A. Nyborg
Anal. Chem. 69, 3442, (1997)
- [80] G. Liu, J. C. Giddings
Chromatographia 34, 483, (1992)

- [81] A. C. van Asten, W. Th. Kok, R. Tijssen, H. Poppe
J. Polym. Sci., Part B Polym. Phys. 34, 297, (1996)
- [82] M. E. Schimpf, J. C. Giddings
J. Polym. Sci.: Part B: Polym. Phys. 27, 1317, (1989)
- [83] W.-S. Kim, Y. H. Park, M. H. Moon, E. K. Yu, D. W. Lee
Bull. Korean Chem. Soc. 19, 868, (1998)
- [84] J. C. Giddings, K. D. Caldwell, M. N. Myers
Macromolecules 9, 106, (1976)
- [85] R. Sisson, J. C. Giddings
Anal. Chem. 66, 4043, (1994)
- [86] J. C. Giddings, M. N. Myers, G.-C. Lin, M. Martin
J. Chromatogr. 142, 23, (1977)
- [87] M. N. Myers, K. D. Caldwell, J. C. Giddings
Sep. Sci. 9, 47, (1974)
- [88] P. M. Shiundu, G. Liu, J. C. Giddings
Anal. Chem. 67, 2705, (1995)
- [89] M.-K. Liu, P. Li, J. C. Giddings
Protein Sci. 2, 1520, (1993)
- [90] K. D. Caldwell, Z. Q. Cheng, P. Hradecky, J. C. Giddings
Cell Biophys. 6, 233, (1984)
- [91] R. V. Sharma, R. T. Edwards, R. Beckett
Appl. Environ. Microbiol. 1864, (1993)
- [92] R. Dammert, M. Jussila, P. Vestämäki, M.-L. Riekola, F. Sundholm
Polymer 38, 6273, (1997)
- [93] P. J. Wyatt
J. Colloid Interface Sci. 197, 9, (1998)
- [94] A. C. van Asten, R. J. van Dam, W. Th. Kok, R. Tijssen, H. Poppe
J. Chromatogr. A 703, 245, (1995)
- [95] E. Venema, P. de Leeuw, J. C. Kraak, H. Poppe, R. Tijssen
J. Chromatogr. A 765, 135, (1997)
- [96] M. Martin, P. Reynaud
Anal. Chem. 52, 2293, (1980)
- [97] B. Rauch, G. Meyerhoff
J. Phys. Chem. 67, 946, (1963)

- [98] M. E. Schimpf, J. C. Giddings
Macromolecules 20, 1561, (1987)
- [99] J. C. Giddings, M. E. Hovingh, G. H. Thompson
J. Phys. Chem. 74, 4291, (1970)
- [100] P. Reschiglian, M. Martin, C. Contado, F. Dondi
J. Liq. Chrom. & Rel. Technol. 20, 2723, (1997)
- [101] C. van Batten, M. Hoyos, M. Martin
Chromatographia 45, 121, (1997)
- [102] K. H. Cho, Y. H. Park, S. J. Jeon, W.-S. Kim, D. W. Lee
J. Liq. Chrom. & Rel. Technol. 20, 2741, (1997)
- [103] M. E. Schimpf, C. Rue, G. Mercer, L. M. Wheeler, P. F. Romeo
J. Coatings Technol. 65, 51, (1993)
- [104] J. J. Gunderson, J. C. Giddings
Macromolecules 19, 2618, (1986)
- [105] M. E. Hovingh, G. H. Thompson, J. C. Giddings
Anal. Chem. 42, 195, (1970)
- [106] M. E. Schimpf
Chromsymp., Elsevier Publisher B. V., Amsterdam (1988)
- [107] M. Martin, J. C. Giddings
J. Phys. Chem. 85, 727, (1981)
- [108] J. J. Gunderson, K. D. Caldwell, J. C. Giddings
Sep. Sci. Technol. 19, 667, (1984)
- [109] A. C. van Asten
Dissertation, Universität Amsterdam, (1995)
- [110] S. L. Brimhall, M. N. Myers, K. D. Caldwell, J. C. Giddings
J. Polym. Sci., Polym. Phys. Ed. 23, 2443, (1985)
- [111] A. C. van Asten, H. F. M. Boelens, W. Th. Kok, H. Poppe, P. S. Williams,
J. C. Giddings
Sep. Sci. Technol. 29, 513, (1994)
- [112] P. S. Williams, J. C. Giddings
Anal. Chem. 59, 2038, (1987)
- [113] J. J. Kirkland, S. W. Rementer, W. W. Yau
Anal. Chem. 60, 610, (1988)

- [114] J. C. Giddings, L. K. Smith, M. N. Myers
Anal. Chem. 48, 1587, (1976)
- [115] J. C. Giddings, K. D. Caldwell
Anal. Chem. 56, 2093, (1984)
- [116] J. J. Kirkland, W. W. Yau
J. Chromatogr. 499, 655, (1990)
- [117] J. C. Giddings, K. D. Caldwell, J. F. Moellmer, T. H. Dickinson, M. N. Myers,
M. Martin
Anal. Chem. 51, 30, (1979)
- [118] P. S. Williams, J. C. Giddings
Anal. Chem. 66, 4215, (1994)
- [119] L. K. Smith, M. N. Myers, J. C. Giddings
Anal. Chem. 49, 1750, (1977)
- [120] M. E. Schimpf, P. S. Williams, J. C. Giddings
J. Appl. Polym. Sci. 37, 2059, (1989)
- [121] K.-G. Wahlund, J. C. Giddings
Anal. Chem. 59, 1332, (1987)
- [122] K.-G. Wahlund, A. Litzén
J. Chromatogr. 461, 73, (1989)
- [123] A. Litzén, K.-G. Wahlund
J. Chromatogr. 476, 413, (1989)
- [124] L. Müller
Plastverarbeiter 28, 185, (1977)
- [125] B. Menzel, W. H. Rohlfing
Kunststoffe 80, 810, (1990)
- [126] Information aus dem Internet unter <http://www.ecpi.org> abrufbar
- [127] D. W. Lee
Kunststoffe 83, 127, (1993)
- [128] D. Kießling
Kolloid-Zeitschrift 176, 119, (1960)
- [129] L. Wuckel
Isotopentechnik 1, 209, (1961)
- [130] A. Mehl, L. Veres
Plastverarbeiter 35, 44, (1984)

- [131] A. Hampe
Colloid & Polymer Sci. 254, 148, (1976)
- [132] W. Mielke
Colloid & Polymer Sci. 254, 155, (1976)
- [133] A. Senoune, J. M. Vergnaud
Europ. Polym. J. 28, 1563, (1992)
- [134] G. W. Becker, D. Braun
Kunststoffhandbuch, Band 2/2, 2. Auflage, Hanser Fachbuch, München, (1986)
- [135] T. Duris, G. Karles, C. D. Papaspyrides
J. Appl. Polym. Sci. 42, 191, (1991)
- [136] A. Jayakrishnan, M. C. Sunny, M. N. Raja
J. Appl. Polym. Sci. 56, 1187, (1995)
- [137] S. Denizligil, W. Schnabel
Angew. Makromol. Chem. 229, (1995)
- [138] P. Mapleston
Mod. Plast. Int. 20, 74, (1990)
- [139] A. Zyball
Kunststoffe 72, 487, (1982)
- [140] Datenbank National Institute of Standards and Technology (NIST), Information
abrufbar aus dem Internet unter <http://www.nist.gov>
- [141] Mitteilung des Fraunhofer-Instituts für Elektronenstrahl- und Plasmatechnik (FEP,
Dresden)
- [142] P. Kilz, F. Gores
in *Chromatography of Polymers*, ACS Symp. Ser. 521, 132, (1993)
- [143] M. E. Schimpf, J. C. Giddings
J. Polym. Sci.: Part B: Polym. Phys. 28, 2673, (1990)
- [144] A. Watanabe, M. Matsuda
Macromolecules 18, 273, (1985)
- [145] D. Roessner
Dissertation, Universität Hamburg, (1994)
- [146] F. F. Shi
Surf. Coat. Technol. 82, 1, (1996)
- [147] C. Oehr, B. Janocha, D. Hegemann, U. Vohrer, H. Brunner
Vakuum 12, 313, (2000)

- [148] J. M. Tibbit, M. Shen, A. T. Bell
J. Macromol. Sci. Chem A10, 1623, (1976)
- [149] H. Yasuda
Plasma Polymerization, Academic Press, London, (1985)
- [150] H. Yasuda
J. Macromol. Sci. Chem A10, 383, (1976)
- [151] J. Meisel, H.-J. Tiller
Z. Chem. 12, 275, (1972)
- [152] H. Yasuda, T. Hsu
J. Polym. Sci., Polym. Chem. Ed. 15, 81, (1977)
- [153] K. Nakajima, A. T. Bell, M. Shen, K. M. Millard
J. Appl. Polym. Sci. 23, 2627, (1979)
- [154] J. W. Vincant, M. Shen, A. T. Bell
ACS Polymer Preprints 19, 453, (1978)
- [155] H. M. Licheng, R. B. Timmons, W. W. Lee, Y. Chen, Z. Hu
J. Appl. Phys. 84, 439, (1998)
- [156] J. G. Calderon, R. B. Timmons
Macromolecules 31, 3216, (1998)
- [157] C. R. Savage, R. B. Timmons
Chem. Mat. 3, 575, (1991)
- [158] J.-H. Wang, J.-J. Chen, R. B. Timmons
Chem. Mat. 8, 2212, (1996)
- [159] M. E. Ryan, A. M. Hynes, J. P. S. Badyal
Chem. Mat. 8, 37, (1996)
- [160] J. Behnisch, F. Mehdorn, A. Holländer, H. Zimmermann
Surf. Coat. Technol. 98, 875, (1998)
- [161] I. Retzko
Dissertation, Freie Universität Berlin, (2001)
- [162] G. Kühn, A. Ghode, S. Weidner, I. Retzko, W. Unger, J. Friedrich
Polymer Surface Modification: Relevance to Adhesion, Vol. 2, K. L. Mittal (ed.),
VSP, Utrecht, p. 45, (2000)
- [163] G. Kühn, I. Retzko, A. Lippitz, W. Unger, J. Friedrich
Surf. Coat. Technol. 142-144, 494, (2001)

- [164] G. Kühn, St. Weidner, R. Decker, A. Ghode, J. Friedrich
Surf. Coat. Technol. 116-119, 796, (1999)
- [165] C. J. Brinker, G. W. Scherer
Sol-Gel Science, Academic Press, New York, (1990)
- [166] R. K. Iler
The Chemistry of Silica, Wiley, New York, (1979)
- [167] S. Sakka
in *Better Ceramics Through Chemistry*, C. J. Brinker, D. E. Clark, D. R. Ulrich (eds.),
Elsevier-North Holland, New York, p. 91, (1984)
- [168] S. Sakka, K. Kamiya, M. Makita, Y. Yamamoto
J. Non-Crystalline Solids 63, 223, (1984)
- [169] S. Sakka, K. Kamiya
J. Non-Crystalline Solids 48, 31, (1982)
- [170] H. Schmidt
in *Better Ceramics Through Chemistry*, C. J. Brinker, D. E. Clark, D. R. Ulrich (eds.),
Elsevier-North Holland, New York, p. 327, (1984)
- [171] G. Philipp, H. Schmidt
J. Non-Crystalline Solids 63, 283, (1984)
- [172] H. Huang, B. Orler, G. L. Wilkes
Macromolecules 20, 1322, (1987)
- [173] G. L. Wiles, B. Orler, H. Huang
Polym. Prep. 26, 300, (1985)
- [174] G. Philipp, H. Schmidt
J. Non-Crystalline Solids 82, 31, (1986)