

PAPERS

1. Transition phenomena in polystyrene near the theta condition. **C. Tsitsilianis**, E. Pierri and A. Dondos* *J. Polym. Sci. Polym. Lett. Ed.* **21**, 685-691, (1983).
2. Transition phenomena of polymers near the theta conditions. **C. Tsitsilianis** and A. Dondos *Makromol. Chem. Rapid Commun.* **5**, 625-629, (1984).
3. Transition phenomena of polymers in mixed solvents in the vicinity of theta conditions: Effect of preferential adsorption. **C. Tsitsilianis** and A. Dondos *Polymer* **26**, 1838-1842, (1985).
4. Investigation of transition phenomena of polymers in dilute solutions by gel permeation chromatography. **C. Tsitsilianis** and A. Dondos* *Macromolecules* **20**, 658-661, (1987).
5. Viscometric determination of the molecular weight of polymers in the low molecular weight region **C. Tsitsilianis** and G. Staikos *J. Appl. Polym. Sci.* **33**, 3081-3086, (1987).
6. Differentiation between the conformational transitions of polymers and the transition observed near the theta conditions. **C. Tsitsilianis** *Polym. Bull.* **18**, 183-188, (1987).
7. An indirect GPC calibration method for the low-molecular weight region. **C. Tsitsilianis**, G. Mitsiani and A. Dondos *J. Polym. Sci., B, Polym. Phys.* **27**, 763-773 (1989).
8. Viscometric study of aggregation phenomena in polymer dilute solutions and determination of the critical concentration c^{**} A. Dondos, **C. Tsitsilianis** and G. Staikos *Polymer* **30**, 1690-1694, (1989).
9. Effects of crystallinity on aging phenomena in poly(vinyl chloride). **C. Tsitsilianis***, M. Tsapatsis and Ch. Economou *Polymer* **30**, 1861-1866, (1989).
10. Effects of physical aging in sorption properties of glassy polymers. **C. Tsitsilianis** *Polymer Commun.* **30**, 331-333, (1989).
11. Determination of polymer molecular weight by GPC in the low molecular weight region **C.Tsitsilianis*** and A.Dondos *J. Liquid Chromat.* **13**, (15), 3027-3037, (1990).
12. Synthesis and characterization of hetero-arm star copolymers. **C.Tsitsilianis**, Ph.Chaumont and P.Rempp* *Makromol.Chem.* **191**, 2319-2328, (1990).
13. Conformational transition of block copolymers in dilute solution and their morphology in the solid state. **C.Tsitsilianis**, G.Staikos, A.Dondos*, P.Lutz, P.Rempp and H.Benoit *Makromol.Chem.* **191**, 2309-2318, (1990).
14. Viscometric investigation of the poly(acrylic acid)-polyacrylamide interpolymer association. G.Staikos* and **C.Tsitsilianis** *J.Appl.Polym.Sci.* **42**, 867-872, (1991).
15. Hetero-arm star copolymers with potentially ionogenic branches. **C.Tsitsilianis** , S.Graff and P.Rempp *Eur.Polym.J.* **27**, 243-246, (1991).
16. Dynamic mechanical properties of poly(vinyl chloride) after complicated thermal histories. **C.Tsitsilianis** *J.Appl.Polym.Sci.* **43**, 835-838, (1991)
17. Core-first synthesis of star polymers with potentially ionogenic branches. **C.Tsitsilianis**, P.Lutz, S.Graff, J.P.Lamps and P.Rempp* *Macromolecules* **24**, 5897-5902, (1991).
18. Enthalpy relaxation in star shaped polystyrene. **C.Tsitsilianis*** and I.Mylonas *Makromol.Chem.Rapid Commun.* **13**, 207-212, (1992).
19. Viscometric study of the extremely dilute macromolecular solutions: critical concentration c^{**} and the Huggins constant. A.Dondos and **C.Tsitsilianis** *Polym.Intern.* **28**, 151-156, (1992).
20. Phase behavior in PS-b-PMMA block copolymers by enthalpy relaxation. **C.Tsitsilianis*** and G.Staikos *Macromolecules* **25**, 910-916, (1992).
21. Influence of annealing and casting solvent in the morphology of poly(ethylene oxide)-b-polystyrene-b-poly(ethylene oxide) triblock copolymers, Compatibility effects. **C.Tsitsilianis***, G.Staikos, A.Dondos, P.Lutz and P.Rempp *Polymer* **33**, 3369-3374, (1992).

22. The viscometric methods in the investigation of the polyacid-polybase interpolymer complexes. G.Staikos*, G.Bokias and **C.Tsitsilianis** *J.Appl.Polym.Sci.* **48**, 215-217, (1993).
23. Enthalpy relaxation studies in isotactic polystyrene. Effects of crystallinity. **C.Tsitsilianis*** and E.P.Bokaris *Polym.Bull.* **30**, 609-616, (1993).
24. Phase behavior of heteroarm star copolymers by differential scanning calorimetry. **C.Tsitsilianis** *Macromolecules* **26**, 2977-2980, (1993).
25. New developments in synthesis of star polymers with poly(ethylene oxide) arms. D.Rein, J.P.Lamps, P.Rempp*, P.Lutz, D.Papanagopoulos and **C.Tsitsilianis** *Acta Polym.* **44**, 225-229, (1993).
26. Determination of branching of star-shaped macromolecules by gel-permeation chromatography. **C.Tsitsilianis*** and A.Ktorides *Makromol.Chem. Rapid Commun.* **15**, 845-850, (1994).
27. Physical aging in block copolymers by thermal analysis. **C.Tsitsilianis*** and P.Papaioannou *Int. Polym. Anal. & Character.* **1**, 63-73, (1995).
28. Amphiphilic heteroarm star copolymers of polystyrene and poly(ethylene oxide). **C.Tsitsilianis***, D.Papanagopoulos and P.Lutz *Polymer* **36**, 3745-3752, (1995)
29. A synthetic route for the synthesis of star-shaped macromolecules. **C.Tsitsilianis*** and D.Voulgaris *J. Macromol. Sci .Pure and Appl .Chem. Macrom. Reports* **A32** (SUPPLS.5&6), 569-577, (1995).
30. Study of polystyrene-poly(tert-butyl acrylate) heteroarm star copolymers in dilute solutions. **C.Tsitsilianis*** and O.Kouli *Macromol. Rapid Commun.* **16**, 591-598, (1995).
31. Poly(2-vinylpyridine) based star-shaped polymers. Synthesis of heteroarm star (A_nB_n) and star-block (AB)_n copolymers. **C.Tsitsilianis*** and D.Voulgaris *Macromol Chem. & Phys* **198**, 997-1007, (1997)
32. Crystallization kinetics of poly(ethylene oxide) in poly(ethylene oxide)-polystyrene-poly(ethylene oxide) triblock copolymers. G.Floudas* and **C.Tsitsilianis** *Macromolecules* **30**, 4381-4390, (1997)
33. Polystyrene/poly(2-vinyl pyridine) heteroarm star copolymer micelles in toluene: morphology and thermodynamics. D.Voulgaris, **C.Tsitsilianis***, F.G.Esselink and G.Hadzioannou *Polymer* **39**, 6429-6439, (1998).
34. Heteroarm star copolymers as emulsifying agents in polymer blends. **C.Tsitsilianis***, D.Voulgaris and M.Kosmas *Polymer* **39**, 3571-3575, (1998).
35. Chemical contrast on a microphase-separated block copolymer surface observed by scanning force microscopy. M.P.L.Werts, E.W.van der Vugte, V.Grayer, E.Esselink, **C.Tsitsilianis** and G.Hadzioannou*. *Adv.Mater.* **10** (6), 452-456 (1998).
36. Viscoelastic contrast and kinetic frustration during poly(ethylene oxide) crystallization in a homopolymer and a triblock copolymer. Comparison of ultrasonic and conventional rheology. I. Alig, S. Tadjbakhsh, G. Floudas and **C. Tsitsilianis** *Macromolecules* **31**, 6917-6925, (1998).
37. Amphiphile micelles formed by polystyrene/poly(vinyl-2-pyridine) heteroarm star copolymers in toluene. D.Voulgaris, **C.Tsitsilianis***, V.Grayer, E.Esselink and G.Hadzioannou *Polymer* **40**, 5879-5889, (1999).
38. Hydrodynamic dimensions of heteroarm star copolymers by steric exclusion chromatography. **C.Tsitsilianis*** and D.Voulgaris *Polymer* **41**, 1607-1614, (2000).
39. An associative polyelectrolyte end-capped with short polystyrene chains. Synthesis and rheological behavior. **C.Tsitsilianis***, I.Iliopoulos and G.Ducouret *Macromolecules* **33**, 2936-2943, (2000).
40. Synthesis of coil-rod-coil block copolymers with the aid of anionic polymerization. **C.Tsitsilianis***, G.A.Voyatzis and J.K.Kallitsis *Macromol. Rapid Commun* **21**, 1130-1135, (2000).
41. Polystyrene/poly(2-vinylpyridine) heteroarm star copolymer micelles in aqueous media and onion type micelles stabilized by diblock copolymers. **C.Tsitsilianis**,

- D.Voulgaris, M.Stipanek, K Prodhajecka, K. Prochazka*, Z. Tuzar, and W. Brown *Langmuir* **16**(17), 6868-6876, (2000).
42. A comparative experimental and theoretical study between heteroarm star and diblock copolymers in the microphase separated state. V. Grayer, E. E. Dormidovna, G. Hadzioannou and C. Tsitsilianis *Macromolecules* **33**, 6330-6339, (2000).
43. ABC heterotelechelic associative polyelectrolytes. Rheological behavior in aqueous media. C. Tsitsilianis*, I. Katsampas and V. Sfika *Macromolecules* **33**, 9054-9059, (2000).
44. Heteroarm star like micelles formed by polystyrene-poly(2-vinyl pyridine)-poly(methyl methacrylate) ABC triblock copolymers in toluene. C.Tsitsilianis* and V.Sfika *Macromol.Rapid Commun.* **22**, 647-651, (2001).
45. Lyotropic liquid crystalline structures formed by amphiphilic heteroarm star copolymers. C.Tsitsilianis*, P.Alexandridis and B.Lindman *Macromolecules* **34**, 5979-5983, (2001)
46. Aggregation behavior of polystyrene/poly(acrylic acid) heteroarm star copolymers in dioxane and aqueous media. D. Voulgaris and C.Tsitsilianis* *Macromol. Chem. & Phys.* **202**, 3284-3292, (2001).
47. Viscoelastic properties of physical gels formed by associative telechelic polyelectrolytes in aqueous media. C.Tsitsilianis* and I.Iliopoulos *Macromolecules* **35**, 3662-3667, (2002).
48. Synthesis of amphiphilic coil-rod-coil block copolymers using atom transfer radical polymerization. P. K. Tsolakis, J.K.Kallitsis* and C. Tsitsiliani *J. Macromol. Sci.-Pure Appl. Chem.* **A39**(3), 155-169, (2002).
49. Reconformation and metallization of unimolecular micelles in controlled enviroment. G. Gorodyska, A. Kiriy, S. Minko*, C. Tsitsilianis and M. Stamm *Nano letters* **3**, 365-368, (2003).
50. Association phenomena of poly(acrylic acid)-b-poly(2-vinyl pyridine)-b-poly(acrylic acid) triblock polyampholytes in aqueous solutions: from transient network to compact micelles. V. Sfika, and C Tsitsilianis* *Macromolecules*, **36**, 4983-4988, (2003)
51. Single Molecules and Associates of Heteroarm Star Copolymer Visualized by Atomic Force Microscopy. A. Kiriy*, G. Gorodyska, S. Minko*, M. Stamm and C. Tsitsilianis* *Macromolecules*, **36**, 8704-8711, (2003).
52. Chemical contrasting in single polymer molecule AFM experiment. A. Kiriy*, G. Gorodyska, S. Minko*, C. Tsitsilianis, W. Jaeger and M. Stamm *J. Am. Chem. Soc.* **125**, 11202-11203, (2003)
53. Diblock copolymer adsorption from the aqueous micellar phase to solid surfaces: Real time monitoring by ATR spectroscopy in mid-infrared. I. Keskini, V. Gionis, G. D. Chryssikos*, I Hiotelis, C. Topraksioglu, N. Stavrouli and C. Tsitsilianis *Macromol. Sympos.* **205**, 117-128, (2004).
54. Rheological properties of an asymmetric triblock polyampholyte in salt-free aqueous solutions. F.Bossard, V.Sfika and C. Tsitsilianis* *Macromolecules* **37**, 3899-3904, (2004).
55. Amorphous-crystalline PS_nPEO_n heteroarm star copolymers: crystallinity and Crystallization kinetics. E. Koutsopoulou and C Tsitsilianis* *Macromol Chem. & Phys.* **205**, 2116-2123, (2004).
56. pH responsive heteroarm star-like micelles from double hydrophilic ABC terpolymer with ampholitic A and C blocks. V.Sfika, C. Tsitsilianis* A. Kiriy, G. Gorodyska, and M. Stamm *Macromolecules* **37**, 9551-9560, (2004).
57. Tri- and tetracarbanionic initiators by Lithium-halide exchanger reaction: Application to star polymer synthesis. R. Matmour, A. Lebreton, V. Héroguez, C. Tsitsilianis, J. Kallitsis and Y. Gnanou * *Angew. Chem. Int. Ed.* **44**, 284-287, (2005).
58. Synthesis of amphiphilic $(ABC)_n$ multiarm star triblock terpolymers. A. I. Triftaridou, M. Vamvakaki C. S. Patrickios* N. Stavrouli and C. Tsitsilianis* *Macromolecules* **38**, 1021-1024, (2005).

59. Hierarchical self organization of ABC terpolymer constituted of a long polyelectrolyte end-caped by hydrophobic blocks. I. Katsampas, and **C. Tsitsilianis*** *Macromolecules* **38**, 1307-1314, (2005).
60. A novel thermo-thickening phenomenon exhibited by a triblock polyampholyte in aqueous salt-free solutions. F. Bossard, **C. Tsitsilianis*** S. Yannopoulos, G. Petekidis and V. Sfika *Macromolecules* **38**, 2883-2888, (2005).
61. New insights on the solution behavior and self-assembly of polystyrene/poly(2-vinylpyridine) “hairy” heteroarm star copolymers with highly asymmetric arms in polar organic and aqueous media M. Stipanek, P. Matějíček, J. Humpolíčková, J. Havráneková, K. Prodhajecka, M. Špírková Z. Tuzar, **C. Tsitsilianis** and K. Prochazka* *Polymer* **46**, 10493-10505, (2005).
62. From smart polymer molecules to responsive nanostructured surfaces. R. Lupitskyy, Y. Roiter, **C. Tsitsilianis**, and S. Minko * *Langmuir* **21**, 8591-8593, (2005).
63. Multifunctional stimuli responsive ABC terpolymers: from 3-compartment micelles to 3-dimensional Network. I. Katsampas, Y. Roiter, S. Minko and **C. Tsitsilianis*** *Macromol. Rapid Commun.* **26**, 1371-1376, (2005).
64. Nanostructures formed by associative telechelic polyelectrolytes in acidic aqueous solutions. N. D. Stavrouli, **C. Tsitsilianis***, A. Kiriy, G. Gorodyska and M. Stamm *J. of Nanostructured Polymers & Nanocomposites* **1**, 15-23, (2005). (*invited paper*)
65. Cationic telechelic polyelectrolytes: synthesis by group transfer polymerization and self-organization in aqueous media. G. T. Gotzamanis, **C. Tsitsilianis***, S. C. Hadjiyannakou , C. S. Patrickios, R. Lupitskyy and S. Minko *Macromolecules* **39**, 678-683, (2006).
66. pH-Tunable rheological properties of a telechelic cationic polyelectrolyte reversible hydrogel. F. Bossard, T. Aubry, G. T. Gotzamanis, **C. Tsitsilianis*** *Soft Matter* **2**, 510-516, (2006).
67. Surface morphologies of Langmuir-Blodgett monolayers of PEO_nPS_n multiarm star copolymers. R. Gunawidjaja, S. Peleshanko, K. L. Genson, **C. Tsitsilianis**, V. V. Tsukruk* *Langmuir* **22**, 6168-6176, (2006).
68. Stimuli responsive A-*b*-(B-*co*-C) diblock terpolymers bearing polyampholyte sequences G. T. Gotzamanis and **C. Tsitsilianis*** *Macromol. Rapid Commun.* **27**, 1757-1763, (2006).
69. Thermo-reversible hydrogels based on poly(N,N-diethylacrylamide)-*b*-poly(acrylic acid)-*b*-poly(N,N-diethylacrylamide) double hydrophilic triblock copolymer. S. A. Angelopoulos and **C. Tsitsilianis*** *Macromol Chem. & Phys.* **207**, 2188-2194, (2006).
70. Multi-compartment unimolecular micelles from $(\text{ABC})_n$ multi-arm star triblock terpolymers. N. Stavrouli, A. I. Triftaridou, C. S. Patrickios* and **C. Tsitsilianis*** *Macromol. Rapid Commun.* **28**, 560-566, (2007).
71. Design of responsive double hydrophilic A-*b*-(B-*co*-C) diblock terpolymers with tunable thermosensitivity G. T. Gotzamanis and **C. Tsitsilianis*** *Polymer* **48**, 6226-6233, (2007).
72. pH/Thermo-sensitive hydrogels formed at low pH by a PMMA-PAA-P2VP-PAA-PMMA pentablock terpolymer. N. Stavrouli, I. Katsampas, S. Angelopoulos, C. Tsitsilianis *Macromol. Rapid Commun.* **29**, 130-135, (2008).
73. Diversity of nanostructured self-assemblies from a pH-responsive ABC terpolymer in aqueous media. **C. Tsitsilianis***, Y. Roiter, I. Katsampas and S. Minko* *Macromolecules* **41**, 925-934, (2008).
74. Rheological Properties of ABA Telechelic Polyelectrolyte and ABA Polyampholyte Reversible Hydrogels: a Comparative Study N. Stavrouli, T. Aubry and **C. Tsitsilianis*** *Polymer*, **49**, 1249-1256, (2008).
75. Stimuli responsive associative polyampholytes based on ABCBA pentablock terpolymer architecture. **C. Tsitsilianis***, N. Stavrouli, V. Bocharova, S. Angelopoulos, A. Kiriy, I. Katsampas, and M. Stamm *Polymer*, **49**, 2996-3006, (2008).

76. Reversible hydrogels from an amphotytic $A_n(B-b-C)_n$ heteroarm star block terpolymer. N. Stavrouli, A. Kyriazis and **C. Tsitsilianis*** *Macromol Chem. & Phys.*, **209**, 2241-2249, (2008).
77. Stimuli-responsive poly(ethylene oxide)-b-poly(2-vinylpyridine)-b-poly(ethylene oxide) triblock copolymers and complexation with poly(acrylic acid) at low pH. A. Karanikolas, P. Tsolakis, G. Bokias* and **C. Tsitsilianis*** *Eur. Phys. J. E***27**, 335-343, (2008).
78. Hierarchical self-organization in polyelectrolyte-surfactant complexes based on heteroarm star block copolyampholytes. M. R. Hammond, C. Li, **C. Tsitsilianis**, and R. Mezzenga* *Soft Matter*, **5**, 2371-2377, (2009).
79. Colloidal gel from amphiphilic heteroarm polyelectrolyte stars in aqueous media. A. Kyriazis, T. Aubry, W. Burchard and **C. Tsitsilianis*** *Polymer*, **50**, 3204-3210, (2009).
80. Fabrication of polymeric nano-objects using as building elements PS_5P2VP_5 heteroarm star copolymers. D. Tasis **C. Tsitsilianis*** *J. Polym. Sci. part B, Phys. Ed.* **48**, 1636-1641, (2010).
81. Responsive reversible hydrogels from associative “smart” macromolecules **C. Tsitsilianis**, *Soft Matter*, **6**, 2372-2388, (2010). (*invited review*).
82. Surface behavior of $PS_n(P2VP-b-PtBA)_n$ heteroarm stars. I. Choi, R. Gunawidjaja, R. Suntivich, **C. Tsitsilianis**, and V. V. Tsukruk* *Macromolecules* **43**, 6818-6828, (2010).
83. Effect of DMF on the rheological properties of telechelic polyelectrolyte hydrogels. **C. Tsitsilianis***, T. Aubry, I. Iliopoulos and S. Norvez *Macromolecules* **43**, 7779-7784, (2010).
84. Reversible hydrogels from amphiphilic polyelectrolyte model multiblock copolymers: The importance of macromolecular topology. M.-T. Popescu, I. Athanasoulias, **C. Tsitsilianis***, N. A. Hadjiantoniou and C.S. Patrickios *Soft Matter*, **6**, 5417-5424, (2010).
85. Design of “smart” segmented polymers by incorporating random copolymers as building blocks. **C. Tsitsilianis***, G. Gotzamanis and Z. Iatridi *Eur. Polym. J.* **47**, 497-510, (2011) (*invited feature article*).
86. Nanostructured heteroarm star block terpolymers via an extension of the “in-out” polymerization route. G. Linardatos, G. Tsoukleri, J. Parthenios, C. Galiotis, O. Monticelli, S. Russo, and **C. Tsitsilianis*** *Macromol. Rapid Commun.* **32**, 371-377, (2011).
87. pH responsive self assemblies from A_n -core-($B-b-C$) $_n$ heteroarm star block terpolymer bearing oppositely charged segments. Z. Iatridi and **C. Tsitsilianis*** *Chem. Commun.* **47**, 5560-5562, (2011).
88. Phase behavior and self-assembly of $PS_n(P2VP-b-PAA)_n$ multiarmed multisegmented star terpolymers with amphotytic arms. Z. Iatridi, Y. Roiter, N. Stavrouli, S. Minko and **C. Tsitsilianis*** *Polym. Chem.* **2**, 2037-2044, (2011).
89. pH-Responsive Hydrogel/Liposome Soft Nanocomposites For Tuning Drug Release. M.-T. Popescu, S. Mourtas, G. Pampalakis, S. G. Antimisiaris, and **C. Tsitsilianis*** *Biomacromolecules* **12**, 3023-3030, (2011).
90. Gold nanoparticles grown on star-shaped block copolymer monolayers. R. Suntivich, I. Choi, M. Gupta, **C. Tsitsilianis**, and V. V. Tsukruk* *Langmuir* **27**, 10730-10738, (2011).
91. Water-soluble stimuli responsive star-shaped segmented macromolecules. Z. Iatridi and **C. Tsitsilianis*** *Polymers* **3**, 1911-1933 (2011) (*invited review*) *open access*.
92. Self-assembly and drug delivery studies of pH/thermo-sensitive polyampholytic (A-co-B)-b-C-b-(A-co-B) segmented terpolymers. Z. Iatridi, G. Mattheolabakis, K. Avgoustakis and **C. Tsitsilianis*** *Soft Matter*, **7**, 11160-11168, (2011).
93. Stimuli-responsive Amphiphilic Polyelectrolyte Heptablock Copolymer Physical Hydrogels: An Unusual pH-response. M.-T. Popescu, **C. Tsitsilianis*** C. M.

- Papadakis, J. Adelsberger, S. Balog, P. Busch' N. A. Hadjiantoniou and C. S. Patrickios *Macromolecules* **45**, 3523-3530, (2012).
94. Mechanical response of all-glassy heteroarm star copolymers. G. Tsoukleri, J. Parthenios, **C. Tsitsilianis** and C. Galiotis* *J. of Nanostructured Polymers & Nanocomposites* **8**, 46-52, (2012). (*invited paper*).
95. pH responsive MWCNT/star terpolymer nanohybrids. Z. Iatridi and C. Tsitsilianis* *Soft Matter*, **9**, 185-193, (2013).
96. Interfacial Behavior of pH Responsive Ampholytic Heteroarm Star Block Terpolymers. R. Kodiyath, I. Choi, B. Patterson, **C. Tsitsilianis** and V. V. Tsukruk* *Polymer*, **54**, 1150-1159, (2013).
97. Three different types of physical gels arisen from a common triblock copolymer precursor: the case of ionomer gel. N. Stavrouli, Z. Iatridi, T. Aubry and **C. Tsitsilianis*** *Polym. Chem.* **4**, 2097-2105 (2013).
98. Multicompartmental microcapsules from Star copolymer micelles. I. Choi, S. T. Malak, W. Xu, W. T. Heller, **C. Tsitsilianis** and V. V. Tsukruk* *Macromolecules* **46**, 1425-1436 (2013).
99. Controlled Delivery of Functionalized Gold Nanoparticles by pH-Sensitive Polymericosomes. M.-T. Popescu and **C. Tsitsilianis*** *ACS Macro Letters* **2**, 222-225 (2013).
100. Perfect mixing of immiscible macromolecules at fluid interfaces. S. S. Sheiko*, J. Z. Zhou, J. Arnold, D. Neugebauere, K. Matyaszewski, **C. Tsitsilianis**, V. V. Tsukruk, J-M. Y. Carrillo, A. V. Dobrynin and M. Rubinstein *Nature Mater.* **12**, doi:10.1038/nmat3651, (2013).

CHAPTERS IN BOOKS

- 1 "Conformation of Polymer Molecules via Atomic Force Microscopy" **S. Minko**, A. Kiriy, G. Gorodyska, R. Sheparovych, R. Lupitskyy, C. Tsitsilianis, M. Stamm In *Applications of Scanned Probe Microscopy to Polymers* Edited by James D. Batteas, Chris A. Michaels, Gilbert C. Walker ACS Symposium Series, **897**, chapter 15, 207-223, 2005.
- 2 "Design of responsive water soluble block copolymers" C. Tsitsilianis, In *Responsive Polymer Materials: Design and Applications*, Edited by Sergiy Minko, BLACKWELL Professional Publishing, chapter 2, 27-49, 2006.
- 3 "Multisegmental block/graft copolymers", C. Tsitsilianis, In *Macromolecular Engineering* Edited by K. Matyjaszewski, Y. Gnanou, L. Leibler, WILEY-VCH, Vol. 2, chapter 4, 839-873, 2007.
- 4 "Supramolecular nanocomposites", C. Tsitsilianis, D. Tasis, C. Galiotis, In *White book: Polymer Nanoscience and Nanotechnology, a European Perspective* Edited by J. M. Kenny, chapter 2, 21-53, 2008.
- 5 "Synthesis of block and graft copolymers", C. Tsitsilianis, In *Controlled and living Polymerizations: From mechanisms to Applications* Edited by A. H. E. Müller, K. Matyjaszewski, WILEY-VCH, chapter 8, 445-492, 2009.
- 6 "Well defined block copolymers" M. U. Kahveci, Y. Yagci, A. Avgeropoulos, and C. Tsitsilianis, In *Polymer Science: A Comprehensive Reference* Edited by K. Matyjaszewski and M. Möller, VOL 6 *Macromolecular Architecture and Soft-nano Objects* edited by A. H. E. Müller and K. L. Wooley, ELSEVIER, chapter 13, 455-509, 2012.
- 7 "Physical hydrogels", C. Tsitsilianis, *Encyclopedia of Polymer Science and Technology*, WILEY-VCH, DOI: 10.1002/0471440264.pst589, 1-21, 2013.

CONFERENCE PROCEEDINGS

1. Φαινόμενα μεταπτώσεως πολυμερών σε μίγματα διαλυτών στην περιοχή του σημείου θήτα K. Τσιτσιλιάνης 10ο Πανελλήνιο Συνέδριο Χημείας, Πάτρα, Τομ.B, 628, 1985
2. Μελέτη της φυσικής γήρανσης του πολύ(βινυλοχλωριδίου). Η επίδραση της κρυσταλλικότητας K. Τσιτσιλιάνης, M. Τσαπατσής και X. Οικονόμου 1^ο Πανελλήνιο Συνέδριο Πολυμερών (με διεθνή συμμετοχή), Αθήνα, Πρακτικά, 109, 1987.
3. Σύνθεση και χαρακτηρισμός αστεροειδών συμπολυμερών με διαφορετικούς βραχίονες K. Τσιτσιλιάνης 2^ο Πανελλήνιο Συνέδριο Πολυμερών (με διεθνή συμμετοχή), Αθήνα, Πρακτικά, τομ.B, 381, 1991.
4. Μελέτη της μορφολογίας συσταδικών συμπολυμερών με την μέθοδο της ενθαλπίας χαλάρωσης K. Τσιτσιλιάνης και Γ. Στάϊκος 2^ο Πανελλήνιο Συνέδριο Πολυμερών (με διεθνή συμμετοχή), Αθήνα, Πρακτικά, τομ.B, 349, 1991.
5. Μορφολογία συμπολυμερών πολυστυρολίου/πολύ(αιθυλενοξειδίου) K. Τσιτσιλιάνης 3^ο Πανελλήνιο Συνέδριο Πολυμερών (με διεθνή συμμετοχή) Θεσσαλονίκη, Πρακτικά, 111, 1993.
6. Σύνθεση και χαρακτηρισμός συμπολυμερών αστεροειδούς αρχιτεκτονικής με βάση την πολύ(βινυλο-2-πυριδίνη) K. Τσιτσιλιάνης, Δ. Βούλγαρης 17^ο Πανελλήνιο Συνέδριο Χημείας, Πάτρα, Πρακτικά, 785, 1996.
7. Αυτοοργάνωση και μορφολογία ετεροκλαδικών αστεροειδών συμπολυμερών K. Τσιτσιλιάνης 4^ο Πανελλήνιο Συνέδριο Πολυμερών (με διεθνή συμμετοχή) Πάτρα, Πρακτικά, 264, 1997.
8. Κρυστάλλωση γραμμικών και αστεροειδών συμπολυμερών σε περιορισμένες γεωμετρίες Γ. Φλούδας, K. Τσιτσιλιάνης, O. Lambert, P. Dumas, G. Reiter 4^ο Πανελλήνιο Συνέδριο Πολυμερών (με διεθνή συμμετοχή) Πάτρα, Πρακτικά, 264, 1997
9. Thin film morphologies of polystyrene/poly(2-vinylpyridine) heteroarm star copolymers V. Grayer, F. J. Esselink, G. Hadzioannou, C. Tsitsilianis 4^ο Πανελλήνιο Συνέδριο Πολυμερών (με διεθνή συμμετοχή) Πάτρα, Πρακτικά, 26, 1997
10. Μικυλοποίηση ετεροκλαδικών συμπολυμερών πολυστυρολίου/πολύ(βινυλο-2-πυριδίνη), (PS_nP2VP_n) σε τολουόλιο Δ. Βούλγαρης, K. Τσιτσιλιάνης, F. J. Esselink and G. Hadzioannou 4^ο Πανελλήνιο Συνέδριο Πολυμερών (με διεθνή συμμετοχή) Πάτρα, Πρακτικά, 277, 1997.
11. Morphology of heteroarm star copolymers physisorbed from a selective solvent on mica and imaged in poor solvent conditions A. Stamouli, V. Koutsos, G. Hadjioannou and C. Tsitsilianis 4^ο Πανελλήνιο Συνέδριο Πολυμερών (με διεθνή συμμετοχή) Πάτρα, Πρακτικά, 281, 1997
12. Πρότυποι τηλεχηλικοί πολυηλεκτρολύτες : Σύνθεση, και ρεολογική συμπεριφορά σε υδατικά μέσα. H. Κατσάμπας, και K. Τσιτσιλιάνης 3^ο Πανελλήνιο Επιστημονικό Συνέδριο Χημικής Μηχανικής, Αθήνα, Πρακτικά 457, 2001
13. Υδατοδιαλυτά γραμμικά και αστεροειδή ΑΒΓ τριαδρομερή συμπολυμερή : Σύνθεση και χαρακτηρισμός A. I. Τριφταρίδου, M. Βαμβακάκη, K. Σ. Πατρίκιος και K. Τσιτσιλιάνης 7^ο Συνέδριο Χημείας Κύπρου-Ελλάδος, Λευκωσία, Πρακτικά, 2001.
14. Δραστικά πηκτικά μέσα κατάλληλα σε υδατογενείς εφαρμογές από πολυμερικά υλικά. K. Τσιτσιλιάνης 1^ο Πανελλήνιο Συνέδριο Πλαστικών, Αθήνα, Πρακτικά , 2003
15. Μακρομοριακή μηχανική: νανοδιομές από πολυμερικά υλικά πολύπλοκης αρχιτεκτονικής K. Τσιτσιλιάνης 4^ο Πανελλήνιο Επιστημονικό Συνέδριο Χημικής Μηχανικής, Πάτρα, Πρακτικά 13, 2003.
16. Αμορφο-κρυσταλλικά συμπολυμερή αστεροειδούς αρχιτεκτονικής: μελέτη κρυσταλλικότητας E. Κουτσοπούλου K. Τσιτσιλιάνης 4^ο Πανελλήνιο Επιστημονικό Συνέδριο Χημικής Μηχανικής, Πάτρα, Πρακτικά 357, 2003.
17. Etude rheologique de solutions aqueuses d'un polyampholyte triblock : effet du précisalement et de la température F. Bossard, C. Tsitsilianis et S. Yannopoulos

Proceedings 38eme Colloque, Rheologie & Physico-Chimie des Produits Formules, Brest, October 2003, France

18. Atomic Force Microscopy visualization of single star copolymer molecules A. Kiriy, G. Gorodyska, S. Minko*, C. Tsitsilianis and M. Stamm *Polym. Mater. Sci. & Engineering.* 88, 233, (2003).
19. Conformational transitions visualized in single polyelectrolyte molecule AFM experiments S. Minko, A. Kiriy, G. Gorodyska, R.. Lupitskyy, C. Tsitsilianis, M. Stamm *Polymer Preprints* 45(2), 258, (2004).
20. Multifunctional Double Hydrophilic Triblock Copolymer in Solution and on Surface. C. Tsitsilianis, F. Bossard , V. Sfika, N. Stavrouli, A. Kiriy, G. Gorodyska, M. Stamm, and S. Minko, *Polym. Mater. Sci .& Engineering.* 90, 368-369, (2004)
21. Telechelic polyelectrolytes a novel class of associative polymers. C. Tsitsilianis, I. Katsampas, V. Sfika, and N. Stavrouli *Polym. Preprint* 45(1), 734-735, (2004)
22. «Εξηπνα» τρισυσταδικά υδατοδιαλυτά συμπολυμερή: από τριστοιβαδικά μικκύλια σε φυσικά πηκτώματα. I. Κατσάμπας, K. Τσιτσιλιάνης 5^ο Πανελλήνιο Επιστημονικό Συνέδριο Χημικής Μηχανικής, Θεσσαλονίκη, Πρακτικά, 761, (2005).
23. Novel responsive block copolymers bearing Random polyampholytes: Synthesis and Nanostructures in aqueous media. G. Gotzamanis, C. Tsitsilianis, G. Gorodyska, A. Kiriy, M. Stamm 1st International Symposium on Nanostructured and Functional Polymer-based Materials and Composites, Dresden, *Extended Abstracts (CD)*. 2005.
24. Responsive triblock copolymers with amphoteric blocks: from ordered to aperiodic nanostructures. C. Tsitsilianis, I. Katsampas, F. Bossard, V. Sfika, A. Kiriy, G. Gorodyska, M. Stamm, S. Minko 1st International Symposium on Nanostructured and Functional Polymer-based Materials and Composites, Dresden, *Extended Abstracts (CD)*. 2005.
25. Stimuli responsive block copolymers based on random polyampholyte blocks: nanostructured self assemblies in aqueous media. G. Gotzamanis, C. Tsitsilianis, G. Gorodyska, A. Kiriy, M. Stamm European Polymer Congress 2005, *Extended Abstracts (CD)*, (1589).
26. Stimuli responsive multi-functional ABC terpolymers: from 3-compartment micelles to 3-dimensional network. C. Tsitsilianis, I. Katsampas, Y. Roiter, S. Minko European Polymer Congress 2005, *Extended Abstracts (CD)*, (1598).
27. Responsive physical gels from telechelic polyelectrolytes. C. Tsitsilianis European Polymer Congress 2005, *Extended Abstracts (CD)*. (1600).
28. Hierarchical mixed polymer brushes. R. Lupitskyy, S. Minko*, and C. Tsitsilianis, *Polym. Preprint* 46(2), 25-26, (2005).
29. Multiarm PEO_nPS_n star polymers at interfaces S. Peleshanko, R. Gunawidjaja, C. Tsitsilianis, V. V. Tsukruk *Polym. Mater. Sci . & Engineering.* 94, 142, (2006).
30. Surface behavior of pH-responsive ABC terpolymers. S. Peleshanko, T. V. Tsukruk, M. Goodman, V Sfika, C. Tsitsilianis and V. V. Tsukruk *Polymer Preprints* 47(2) ,785, (2006).
31. Synthesis and solution properties of associative responsive PMMA-PAA-P2VP-PAA-PMMA pentablock terpolymers C. Tsitsilianis, N. D. Stavrouli, S. A. Angelopoulos, and I. Katsampas *Polym. Preprint* 47(2), 677-678, (2006).
32. Transformable self-assemblies from responsive double-hydrophilic ABC terpolymers in aqueous media C. Tsitsilianis, I. Katsampas, Y. Roiter, S. Minko N. Stavrouli and M. Gotsopoulos *Polym. Preprint* 47(2), 798-799, (2006).
33. Reversible hydrogels in aqueous and organic solutions by PAA-P2VP-PAA Triblock Copolymer. N. Stavrouli, C. Tsitsilianis 6th Hellenic Conference on Polymers, 66-67, 2006
34. Synthesis, characterization and aqueous solution properties of amphiphilic A_n(B-C)_n star-shaped block terpolymers N. Stavrouli, A. Kyriazis, C. Tsitsilianis 6th Hellenic Conference on Polymers, 183, 2006

35. Stimuli responsive A-b(B-co-C) homo-statistical block copolymers bearing polyampholyte sequences G, Gotzamanis, C. Tsitsilianis 6th Hellenic Conference on Polymers, 184-185, 2006.
36. Self organization and rheological properties of PMMA-PAA-P2VP-PAA-PMMA in aqueous media N. Stavrouli, S. Angelopoulos, V. Bocharova, A. Kiriy, M. Stamm, C. Tsitsilianis 6th Hellenic Conference on Polymers, 241, 2006.
37. Fabrication of nanoobjects from star-shaped copolymers. C. Tsitsilianis, D. Tasis, C. Galiotis, V. Bocharova, A. Kiriy, M. Stamm, 7th Hellenic Conference on Polymers, 53, 2008.
38. Synthesis and selective segregation of Fe₃O₄ nanoparticles inside of the poly-2vinylpyridine domain of poly(styrene-b-2vinylpyridine) A. Horechyy, N. Zafeiropoulos, C. Tsitsilianis and Manfred Stamm, 7th Hellenic Conference on Polymers, 80-81, 2008.
39. Synthesis and mechanical properties of A_nB_n star copolymers and A_n(B-*b*-C)_n star terpolymers. G. Tsoukleri1, G. Linardatos, J. Parthenios, C. Galiotis and C. Tsitsilianis, 7th Hellenic Conference on Polymers, 218, 2008.
40. Reversible Hydrogels from Amphiphilic Polyelectrolyte Model Multi-block Copolymers: The Importance of Block Topology. T.-M. Popescu, J. Athanasoulias, N. Hadjiantoniou, C. Patrickios and C. Tsitsilianis* 7th Hellenic Conference on Chemical Engineering ,electronic proceedings, pages 1-7, 2009.
41. Controlled Dispersion of Carbon Nanotubes by Amphiphilic Polyelectrolytes. O. Frank, Z. Spitalsky, D. Tasis, K. Papagelis, C. Tsitsilianis, C. Galiotis, 4th International Conference on Carbon based Nanocomposites, proceedings 2009.
42. Design of block-random segmented polymers, Z. Iatridi G. Gotzamanis, C. Tsitsilianis, 8^o Hellenic Polymer Society Symposium, p. 125, 2010.
43. Self assembly and morphology of pH-sensitive heteroarm star block terpolymers in aqueous media Z. Iatridi, C. Tsitsilianis, 8^o Hellenic Polymer Society Symposium, p. 124, 2010.
44. Self assembly of Responsive Block Polyampholyte Terpolymers in Aqueous Media. C. Tsitsilianis, 8^o Hellenic Polymer Society Symposium, p. 77, 2010.
45. Nanostructured micelles from self-assembly of PeCL-*b*-PEO-*B*-P2VP-*b*-PEO-*B*-PeCL pentablock terpolymers in water. M. Korogiannaki, M.-T. Popescu, K. Marikou, C. Tsitsilianis 8^o Hellenic Polymer Society Symposium, p. 127, 2010
46. pH responsive reversible hydrogel/liposome composites for tuning drug release M.-T. Popescu, S. Mountas, S. G. Antimisiaris C. Tsitsilianis, 8^o Hellenic Polymer Society Symposium, p. 126, 2010.